

GARMIN<sup>®</sup>

Garmin Pilot™ for iOS

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This manual reflects the operation of Software version 11.3 or later. Some differences in operation may be observed when comparing the information in this manual to earlier or later software versions.

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**WARNING:** Do not rely solely upon the indicators shown on the Panel Display Pane to maneuver the aircraft.

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**WARNING:** The altitude displayed by Garmin Pilot™ on the Panel Page is geometric height above Mean Sea Level and could vary significantly from the altitude displayed by pressure altimeters. Always use pressure altitude displayed by the aircraft altimeter when determining or selecting aircraft altitude.

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**WARNING:** Do not use outdated database information. Databases used in Garmin Pilot™ must be updated regularly in order to ensure the information remains current. Pilots using any outdated database do so entirely at their own risk.

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**WARNING:** To reduce the risk of unsafe operation, carefully review and understand all aspects of the Garmin Pilot™ User documentation and the Pilot's Operating Handbook of the aircraft. Thoroughly practice basic operation prior to actual use. During flight operations, carefully compare indications from Garmin Pilot™ to all available navigation sources, including the information from other NAVAIDs, visual sightings, charts, etc. For safety purposes, always resolve any discrepancies before continuing navigation.

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**WARNING:** Garmin Pilot™ has a very high degree of functional integrity. However, the pilot must recognize that providing monitoring and/or self-test capability for all conceivable failures is not practical. Although unlikely, it may be possible for erroneous operation to occur without a fault indication shown by Garmin Pilot™. It is thus the responsibility of the pilot to detect such an occurrence by means of cross-checking with all redundant or correlated information available in the cockpit.

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**WARNING:** For safety reasons, Garmin Pilot™ operational procedures must be learned on the ground.

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**WARNING:** The United States government operates the Global Positioning System and is solely responsible for its accuracy and maintenance. The GPS system is subject to changes which could affect the accuracy and performance of all GPS equipment. Portions of Garmin Pilot™ utilize GPS as a precision electronic NAVigation AID (NAVAID). Therefore, as with all NAVAIDs, information presented by Garmin Pilot™ can be misused or misinterpreted and, therefore, can become unsafe.

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**WARNING:** Do not use basemap (land and water data) information for primary navigation. Basemap data is intended only to supplement other approved navigation data sources and should be considered as an aid to enhance situational awareness.

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**WARNING:** Do not use the indicated data link weather product age to determine the age of the weather information shown by the data link weather product. Due to time delays inherent in gathering and processing weather data for data link transmission, the weather information shown by the data link weather product may be significantly older than the indicated weather product age.

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**WARNING:** Do not use data link weather information for maneuvering in, near, or around areas of hazardous weather. Information contained within data link weather products may not accurately depict current weather conditions.

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**WARNING:** Do not rely solely upon the display of traffic information for collision avoidance maneuvering. The traffic display does not provide collision avoidance resolution advisories and does not under any circumstances or conditions relieve the pilot's responsibility to see and avoid other aircraft.

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**WARNING:** Do not rely solely upon the display of traffic information to accurately depict all of the traffic within range of the aircraft. Due to lack of equipment, poor signal reception, and/or inaccurate information from aircraft or ground stations, traffic may be present that is not represented on the display.

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**WARNING:** To aid in device security, use a properly supported device that is dedicated to the aircraft and not shared with personal use.

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**WARNING:** Use of an unapproved wireless device inserted into the SD card slot of your Garmin navigator may induce a malfunction, may cause damage to the unit, will void the Garmin warranty, and may nullify the airworthiness approval of the installation. The only wireless device currently certified for use in a compatible Garmin avionics system SD card slot is the Garmin Flight Stream 510. Do not insert an unapproved wireless device into the SD card slot of your Garmin avionics system.

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**NOTE:** All visual depictions contained within this document, including screen images of Garmin Pilot™ panel and displays, are subject to change and may not reflect the most current Garmin Pilot™ software and aviation databases.

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**NOTE:** Interference from GPS repeaters operating inside nearby hangars can cause an intermittent loss of altitude and heading displays while on the ground. Moving more than 100 yards away from the source of the interference should alleviate the condition.

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**NOTE:** *Temporary Flight Restriction (TFR) data is provided by the FAA and may not be updated outside of normal business hours. Confirm data currency through alternate sources and contact the local FSS for interpretation of TFR data.*

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**NOTE:** *The navigation databases used in Garmin navigation systems contain Special Procedures. Prior to flying these procedures, pilots must have specific FAA authorization, training, and possession of the corresponding current, and legitimately-sourced chart (approach plate, etc.). Inclusion of the Special Procedure in the navigation database DOES NOT imply specific FAA authorization to fly the procedure.*

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**NOTE:** *Should you notice any abnormalities when your Garmin Pilot application is synchronized with another device via bluetooth, please disconnect, then reconnect, and verify proper functionality and synchronization.*

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**NOTE:** *Apple is going away from the circular 'Home' button. Some new designs incorporate sensors that will illuminate the screen when triggered by movement, touch, or facial recognition. Please reference Apple's User Guide for the appropriate commands, gestures, etc., used to replace the physical 'Home' button.*

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Rev	Date	Change Summary
AM	July, 2023	Updated for Application version 11.3: <ul style="list-style-type: none"> <li>• Light or Dark Theme</li> <li>• GDL 60 Support</li> <li>• Remote Aircraft Status (Optional)</li> <li>• Enhanced Database Concierge</li> <li>• ETD Calculator</li> </ul>
AL	March, 2023	Updated for Application version 11.2: <ul style="list-style-type: none"> <li>• Terrain Planner</li> <li>• Enhanced Printable NavLog</li> <li>• METAR Station Model Plot Overlay</li> <li>• Golze ADL Support (Europe)</li> <li>• TEC Routes (California)</li> <li>• Sirius XM Center Weather Advisories Support</li> <li>• GDL 90 Support</li> <li>• Frequency Widget</li> <li>• Canadian VFR Flight Plan Filing</li> <li>• Enhanced Fuel Price Display</li> </ul>
AK	August, 2022	Updated for Application version 11.0: <ul style="list-style-type: none"> <li>• Graphical Weight &amp; Balance</li> <li>• Map Search Capability</li> <li>• Enhanced Distance Measuring Tool</li> <li>• Eurocontrol Aeronautical Information Publications (AIPs)</li> <li>• Enhanced French NOTAMs</li> <li>• uAvionix Sky Echo 2 ADS-B Support</li> </ul>

Rev	Date	Change Summary
AJ	May, 2022	Updated for Application version 10.7.4: <ul style="list-style-type: none"> <li>• Enhanced Airport &amp; Airspace Depiction on Map Page</li> <li>• Taxiway &amp; Apron Closure NOTAMs</li> <li>• Decoded NOTAM Text</li> <li>• Ability to Hide 5G NOTAMs</li> <li>• Annotations on Map Page</li> <li>• Bad Elf GPS Support</li> <li>• Stratux ADS-B Support</li> </ul>
AH	December, 2021	Updated for Application version 10.6: <ul style="list-style-type: none"> <li>• Enhanced Distance Measuring Tool</li> <li>• Enhanced Airport Info Page</li> <li>• Stratus 3 Support</li> <li>• Added FICON Graphical NOTAMs</li> <li>• Added Fuel Unavailable NOTAMs</li> </ul>
AG	July, 2021	Updated for Application version 10.5: <ul style="list-style-type: none"> <li>• Terminal NOTAMs</li> <li>• ICAO Airspace Classification Colors (Europe)</li> <li>• Enhanced Annotation Capabilities</li> <li>• Added MOS &amp; TAF Conditions on Map Page</li> </ul>
AF	March, 2021	Updated for Application version 10.4: <ul style="list-style-type: none"> <li>• Enhanced Graphical Airspace &amp; Obstacle NOTAMs</li> <li>• Smart Airspace &amp; NOTAM Filters</li> <li>• European VFR Briefing Pack</li> <li>• Graphical NAVAIDS</li> <li>• Graphical Leidos Flight Service Weather Briefing (U.S. &amp; Canada)</li> </ul>

Rev	Date	Change Summary
AE	November, 2020	Updated for Application version 10.3: <ul style="list-style-type: none"> <li>• Graphical Airspace &amp; Obstacle NOTAMs</li> <li>• Enhanced Flight Profile View</li> <li>• Demo Mode</li> <li>• Airport Satellite View</li> <li>• D2 Air Support</li> </ul>
AD	September, 2020	Updated for Application version 10.2.3: <ul style="list-style-type: none"> <li>• Enhanced Missed Approach Procedure Distinction</li> <li>• Enabled Worldwide Instrument Approach Procedures</li> <li>• Enhanced Radial Menu</li> <li>• NAV SUSP Functionality</li> </ul>
AC	July, 2020	Updated for Application version 10.2: <ul style="list-style-type: none"> <li>• Route Data in Trip Planning</li> <li>• Configurable Tab Bar</li> <li>• Live Track Log</li> <li>• Various Updates to Graphics, Procedures, Structure</li> </ul>
AB	May, 2020	Updated for Application version 10.1: <ul style="list-style-type: none"> <li>• Apple Pencil 2 Support</li> <li>• Night Mode for Approach Charts</li> <li>• AirPrint Wireless Print Capability</li> <li>• Enhanced Usability of Annotations</li> <li>• Terrain Elevation on Radial Menu</li> <li>• Enhanced Document Viewer</li> <li>• Visited Airports Report</li> </ul>

Rev	Date	Change Summary
AA	February, 2020	Updated for Application version 10.0: <ul style="list-style-type: none"> <li>• Route Data Implementation</li> <li>• Updated Trip Planning Capabilities</li> <li>• Enhanced Flight Planning User Interface</li> <li>• Arrival, Approach &amp; Departure Procedure Capabilities</li> <li>• Vertical Planning Capabilities</li> <li>• Along-track Offset (ATK Offset)</li> <li>• Enhanced Document Viewer</li> <li>• GI 275 Support</li> <li>• Table of Contents</li> <li>• Various Updates to Graphics, Procedures, Structure</li> </ul>
Z	September, 2019	<ul style="list-style-type: none"> <li>• Corrected Various Clerical Errors</li> <li>• ADS-B Compliance Tool</li> </ul>
Y	August, 2019	Updated for Application version 9.7.0: <ul style="list-style-type: none"> <li>• Various Updates to Graphics, Procedures, Structure</li> <li>• Integration of FltPlan.com Premium Services</li> <li>• Incorporated European VFR Data</li> <li>• Enhanced European Autorouting</li> <li>• GNC 355 Support</li> <li>• Radial Menu Enhancements</li> </ul>



Rev	Date	Change Summary
W	June, 2019	Updated for Application version 9.6.3: <ul style="list-style-type: none"> <li>• Enhancements to FltPlan.com Synchronization</li> <li>• FBO Fees</li> <li>• Flight Data Log Exceedance Alerts</li> <li>• Enhanced Split Screen Customization Capabilities</li> <li>• Enhanced Runway Centerline Options</li> <li>• Bulk Deletion of User Waypoints</li> <li>• GPS 175 / GNX 375 Support</li> <li>• MARQ Aviator Watch Support</li> <li>• Various Updates to Graphics, Procedures, Structure</li> </ul>
V	December, 2018	Updated for Application version 9.5: <ul style="list-style-type: none"> <li>• Airspace Alerts</li> <li>• Enhanced Flight Profile view to include Icing Data</li> <li>• Enhanced Storm Cell Projected Path</li> <li>• Sirius XM Surface Analysis</li> <li>• Traffic Page Enhancements</li> <li>• Enhanced Extended Runway Centerline Display</li> <li>• Document Viewer</li> <li>• Flight Data Log Visualization (EIS)</li> <li>• Model Output Statistics (MOS)</li> <li>• Area Forecast Discussion</li> <li>• Base Reflectivity Radar</li> <li>• PIREPs Flight Profile View</li> <li>• User Shape Files</li> <li>• User Preference Backup</li> <li>• FltPlan.com</li> <li>• Various menu/procedure/screenshot updates</li> </ul>

Rev	Date	Change Summary
U	February, 2018	<p>Updated for Application version 9.1:</p> <ul style="list-style-type: none"> <li>• Weight and Balance</li> <li>• Electronic Checklist Integration</li> <li>• Advanced Aircraft Performance</li> <li>• Expanded Data Sharing</li> <li>• Freehand™</li> <li>• Customize Home Menu Icons</li> <li>• Web-based Flight Planning Tools Integration</li> <li>• Importing User Waypoints</li> <li>• Logbook Photos</li> <li>• Logbook Auto-Logging</li> <li>• Customize order of Checklist Binders</li> <li>• Fuel Planner</li> <li>• Sirius XM Weather Overlay Enhancements</li> <li>• inReach SE+ and inReach Explorer+ Integration</li> <li>• European IFR Autorouting and Filing</li> <li>• Radar and Infrared Satellite Color Palettes</li> <li>• Winds and Temperature Aloft Forecast Data</li> <li>• Icing Forecast</li> <li>• Scratch Pad Split Screen</li> <li>• Wireless Delivery of Jeppesen Charts via the Flight Stream 510</li> <li>• Logbook Tracks</li> <li>• Currency Alerts</li> <li>• CFI Endorsements Given</li> <li>• Virb 360 and Virb Ultra Action Camera Support</li> <li>• Split-Screen Synthetic Vision</li> <li>• Search and Rescue (SAR)</li> <li>• Weight and Balance for Helicopters</li> <li>• Emergency Mode (EMER)</li> </ul>

Rev	Date	Change Summary
U	February, 2018	Updated for Application version 9.1. (Cont'd): <ul style="list-style-type: none"> <li>• Enhanced Stadium TFRs</li> <li>• Split-Screen Selector</li> <li>• D2 Charlie Series and D2 Charlie Titanium support</li> <li>• GDL 51/51R and 52/52R Integration</li> <li>• OpenStreetMap</li> <li>• Worldwide Winds Aloft Coverage</li> </ul>
T	October, 2016	Updated for Application version 8.4.1: <ul style="list-style-type: none"> <li>• D2 Bravo and D2 Bravo Titanium support</li> <li>• Map PIREP Filtering</li> <li>• Optional Number Row For Touchscreen Keyboard</li> <li>• Option To Add All Charts To Custom Chart Binder</li> <li>• Canadian Flight Supplement Available In Airport Information</li> <li>• Flight Stream 510 Integration</li> <li>• Jeppesen Charts</li> <li>• Chart Overlays</li> <li>• Glide Range Ring</li> <li>• Map / Flight Plan Enhancements and Graphical Route Editing Filter</li> </ul>
S	June, 2016	Updated for Application version 8.2: <ul style="list-style-type: none"> <li>• Personal Minimums</li> <li>• Runway Winds</li> <li>• Customizable Flight Plan Names</li> <li>• aera 660 Integration</li> </ul>

Rev	Date	Change Summary
R	February, 2016	Updated for Application version 8.1: <ul style="list-style-type: none"> <li>• Logbook enhancements</li> <li>• Radial Menu improvements</li> <li>• Chart Binder upgrades</li> <li>• Multiple page Scratch Pad</li> <li>• Lockheed Martin and VFR Flight Plan Filing</li> <li>• Airspace Labels</li> <li>• UK maps (NATs)</li> <li>• Profile View (iPad only)</li> <li>• Trip Planning - Altitude guide and alternate airports</li> <li>• GTX 345 Hardware Support</li> <li>• X-Plane v10.30+ integration</li> </ul>
Q	October, 2015	Updated for Application version 7.4: <ul style="list-style-type: none"> <li>• Logbook</li> <li>• Nearest (NRST) navigation functionality</li> <li>• Density Altitude added to the Airport Widget, the Weather section of the Airport Information Page, and the weather icon on the Radial Menu</li> <li>• Distance Measuring Tool enhancement (can now adjust the placement of pins after they have been dropped)</li> </ul>

Rev	Date	Change Summary
P	June, 2015	Updated for Application version 7.2: <ul style="list-style-type: none"> <li>• G3X Touch Integration</li> <li>• GLO Connex Integration</li> <li>• Helicopter Charts</li> <li>• Highest Point Along Route</li> <li>• Single Sign-On</li> </ul>
N	February, 2015	Updated for Application version 7.1: <ul style="list-style-type: none"> <li>• Replaced Devices Page with Connex</li> <li>• Added Flight Stream Functionality</li> <li>• Miscellaneous User interface updates</li> </ul>
M	August, 2014	Updated for Application version 6.2: <ul style="list-style-type: none"> <li>• Added updates for Garmin Pilot Global Premium Subscription</li> <li>• Added Visual Reporting Points (VRPs) and Euro Airway functionality</li> <li>• Added Smart Airspace</li> <li>• Added FastFind predictive waypoint entry</li> </ul>
L	May, 2014	Updated for Application version 6.0: <ul style="list-style-type: none"> <li>• iOS 7 Redesign</li> <li>• GDL 39 3D support with Attitude Indicator</li> <li>• Flight/Trip Planning Enhancements</li> <li>• VIRB™ Action Camera support</li> <li>• Traffic Patterns</li> <li>• Special Use Airspace Frequencies</li> <li>• New Devices Page to manage Garmin hardware</li> </ul> Updated for Application version 6.1: <ul style="list-style-type: none"> <li>• Synthetic Vision</li> </ul>

Rev	Date	Change Summary
K	October, 2013	Updated for Application version 5.3: <ul style="list-style-type: none"> <li>• Added D2 Pilot Watch Sync</li> <li>• Added Audio Alerts</li> <li>• Added Ownship Track Vector</li> <li>• Added Decoded TAFs</li> </ul>
J	September, 2013	Updated for Application version 5.2: <ul style="list-style-type: none"> <li>• Added Proposed Route push notifications</li> <li>• Added Destination Extended Runway Centerlines</li> <li>• Added Range Rings</li> <li>• Added Abeam Location Alerts</li> <li>• Added Distance Measuring Tool</li> </ul>
H	July, 2013	<ul style="list-style-type: none"> <li>• Added Green Terrain indications</li> <li>• Corrected Clerical errors</li> </ul>
G	July, 2013	Updated for Application version 5.1: <ul style="list-style-type: none"> <li>• Added Dedicated Terrain page and Alerting</li> <li>• Added Terrain overlay on map</li> <li>• Added Topography</li> <li>• Added Obstacles overlay</li> <li>• Added Preferred ATC Routes</li> <li>• Added SafeTaxi to Split Screen</li> <li>• Renamed "Trip Planning" to "File and Brief"</li> </ul>

Rev	Date	Change Summary
F	April, 2013	Updated for Application version 5.0: <ul style="list-style-type: none"> <li>• Added New Maps and Map Settings</li> <li>• Added Track Up</li> <li>• Added Annotations for Procedures and A/FD</li> <li>• Updated Scratch Pad</li> <li>• Updated Trip Planning</li> <li>• Updated Radial Menu</li> <li>• Added Alternate Flight Conditions color scheme</li> </ul>
E	January, 2013	Updated for Application version 4.4: <ul style="list-style-type: none"> <li>• Tools Menu</li> <li>• Stopwatch</li> <li>• Alerts</li> </ul>
D	October, 2012	Updated for Application version 4.3: <ul style="list-style-type: none"> <li>• Added Scratch Pad</li> <li>• Added Split-Screen Traffic</li> </ul>
C	August, 2012	Added TargetTrend
B	July, 2012	Added Data link Traffic and Weather.
A	June, 2012	Initial Release

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## OVERVIEW

### FEATURES

- Dynamic Maps
- Charts; VFR Aeronautical, low and high IFR en-route, airport diagrams and approach procedures
- Optional geo-referenced Garmin FliteCharts® and Garmin SafeTaxi® both show aircraft position on approach charts or taxiways
- Optional Terrain and Obstacle alerting.
- Optional integration with the GDL 39 / GDL 39 3D, GDL 51/51R, GDL 52/52R, Garmin D2™ Series Pilot Watches, Garmin MARQ™ Aviator Watch, Flight Stream 110/210, 510, GTX 345, GPS 175, GNX 375, GNC 355, G3X Touch, GI 275, aera 660, and the VIRB™ Action Camera, and many more.
- Weather Maps: Animated radar, AIRMETs, SIGMETs, Icing, Lightning, PIREPs, METARs, TAFs, Winds Aloft, TFRs, Infrared and Visible Satellite
- Extensive textual and graphical products: AIRMETs, SIGMETs, PIREPs, METARs, TAFs, Winds Aloft, MOS Forecast, Forecast discussion, and NOTAMs.
- AOPA Airport Directory
- Dynamic weather overlaid with the active route on top of an aeronautical, enroute chart or map
- Comprehensive weather data direct from the National Weather Service and Environment Canada
- Garmin patented navigation panel with course guidance, GPS altitude, and ground speed indicators
- Flight plan filing via Fltplan.com for use in Trip Planning.
- Graphical airspace and NOTAMs.
- Graphical Weight & Balance.

## ABOUT THIS HANDBOOK

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This operating handbook is designed to provide a comprehensive guide to help with understanding how to use Garmin Pilot for reviewing aviation weather, airport information, creating and filing flight plans, calculating aircraft weight and balance, and for viewing charts, maps, and navigation data in-flight.

## IPAD<sup>®</sup> TRICKS FOR PILOTS

---

The iPad is offered in a variety of memory capacities and each comes with one of two connectivity options; Wi-Fi or Wi-Fi + 3G/4G. It is important to know which connectivity option is available before using Garmin Pilot for navigation. There are also a few things to know about the iPad's basic features and settings that will enhance the Garmin Pilot experience on the iPad. These features are not hidden, but they may not be immediately apparent to the novice iPad user. To become completely familiar with the iPad, it is recommended to read the iPad User Guide.

### GPS

Global Positioning System (GPS) receiving capability is optional on the iPad. Garmin Pilot can be used without GPS for flight planning, but the navigation features will be inoperative. Of the two connectivity options for the iPad, only the iPad with Wi-Fi + cellular has an internal GPS receiver. For iPads that only have Wi-Fi available, a Garmin GLO<sup>™</sup> portable GPS and GLONASS receiver, a Garmin GDL 39 portable GPS and ADS-B receiver, or a Garmin GTX 345 ADS-B transponder will be required in order to take advantage of the navigation features in Garmin Pilot. Alternative or third-party GPS sources known to work with Garmin Pilot are: Bad Elf, Dual Electronics XGPS150 Universal Bluetooth<sup>®</sup> GPS, and GNS 5870 MFI Bluetooth<sup>®</sup> GPS receiver. Other iPad-compatible portable GPS sources may also work with Garmin Pilot.



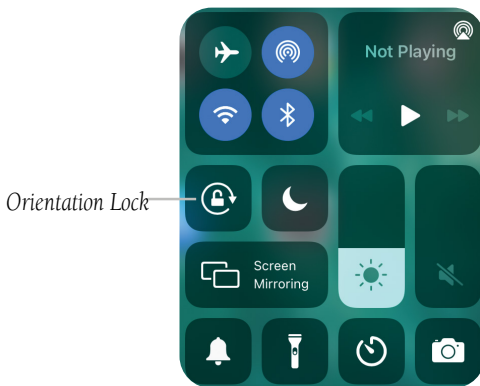
## DISPLAY ORIENTATION

The iPad has a default setting that will enable the unit to automatically rotate the display to either portrait or landscape according to which edge of the unit is facing upward. This automatic setting can be quite troublesome in the cockpit as the solid-state accelerometers in the iPad are very sensitive to movement and can cause the display to rotate unexpectedly.

There are two ways to enable/disable the rotation lock; first via the iPad control center, and second from within Garmin Pilot by selecting 'Lock Screen' under the Tools button.

### Locking Orientation in the iPad Control Center:

- 1) Swipe down from the top, right corner of any screen.
- 2) Tap the orientation lock icon to lock/unlock the automatic screen orientation feature.



iPad Control Center - Orientation Lock

**Or:** Within Garmin Pilot tap, **Tools > Lock Screen.**

## GLARE REDUCTION

One limitation of the iPad hardware in the cockpit is glare. There are number of ways to mitigate the effects of glare using aftermarket screen protectors and similar products. However, one can do reasonably well by simply adjusting the display brightness and/or selecting White on Black or “Night Mode” for operations in low light conditions.

Within Garmin Pilot, night mode is available from the menu on the Map Page, Flight Plan Page, and the Synthetic Vision page.

### Adjusting Display Brightness:

- 1) Open the iPad Settings Menu.
- 2) Under the Settings column on the left, tap **Display & Brightness**.
- 3) Use the slider control to manually adjust the display brightness.

The iPad can also be configured to invert its display to improve contrast at night or in low light conditions. Even with Night Mode activated, it may be necessary to dim the display for low light conditions.

### Selecting iPad Night Mode:

- 1) Open the iPad Settings Menu.
- 2) Tap the **Accessibility** submenu.
- 3) Tap **Display & Text Size** submenu.
- 4) Tap **Smart Invert**, or **Classic Invert** to select/deselect Night Mode.

### Using the iPad's Home Button to select Night Mode:

- 1) Open the iPad Settings Menu.
- 2) Tap the **Accessibility** submenu.
- 3) Tap **Accessibility Shortcut**, and choose **Classic Invert Colors or Smart Invert Colors**. Now, clicking the iPad Home Button three times toggles Night Mode on/off.

### Displaying the Garmin Pilot moving map in Night Mode:

Tap **Home** >  > **Menu** > **Night Mode**.

### Displaying the Synthetic Vision in Night Mode:

Tap **Home** >  > **Menu** > **Night Mode**.

## AIRPRINT WIRELESS PRINT CAPABILITY

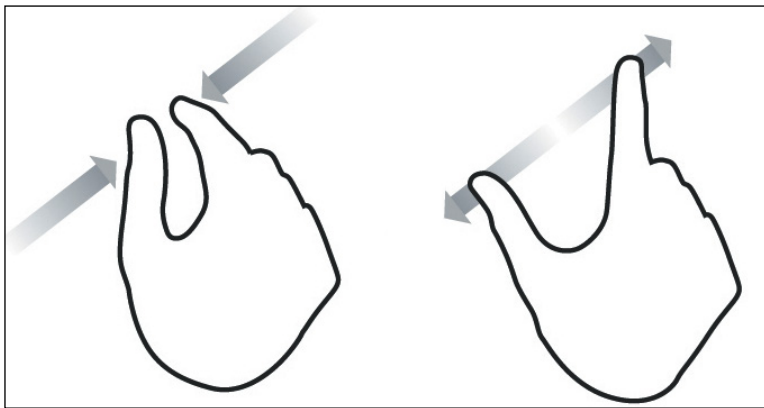
Garmin Pilot uses Apple's wireless printing technology, AirPrint, to allow printing from your iOS device to an AirPrint-ready printer. This capability allows users to print various items including, but not limited to, Charts, Airport Diagrams, FliteCharts, Jeppesen Charts, Weight & Balance Load Sheets, FltPlan.com NavLogs, and IFR autorouting briefing packets for applicable Garmin Pilot Europe subscriptions.

To Print Documents, click  > **Print**, then select the desired printer options.

## GENERAL GARMIN PILOT OPERATING GUIDELINES

Garmin Pilot opens in the most recently viewed page. From any page, it is possible to access any desired feature by tapping, flicking, and/or dragging a finger on the active areas of the display that appear as buttons, slide controls, lists, text fields, or icons. As with most iPad applications, text fields automatically open a QWERTY keyboard for easy text entry.

Also like other iPad applications that use maps, panning is done by “tap-dragging” the finger across the display, and magnifying or zooming is done by either double-tapping the display or by pinching. Reversing the pinch gesture or tapping with two fingers will de-magnify or zoom out. Additionally, there is no Garmin Pilot input that requires any specific weight or pressure on the display. In other words, tapping or pressing forcefully on the glass will produce approximately the same result as a light tap.



Pinch Zoom

Garmin Pilot can be used in either portrait or landscape orientation and will respond to the iPad's automatic orientation feature. The map may be displayed in either full screen or half screen in either orientation. The lower half of the display in portrait orientation or second (non-map) display in landscape orientation has twelve possible functions; Widgets, Panel, Documents, Charts, Flight Plan, Safe Taxi, Terrain, Flight Profile, Checklists, Scratch Pad, Synthetic Vision, and Traffic.

To streamline navigation throughout the app, Garmin Pilot now has a Tab Bar at the bottom of the screen, which may be used as an alternative to the Home Screen Main Menu. Upon initial start-up following software installations and/or updates, Garmin Pilot will provide the opportunity to select the primary Interface Style, either Tab Bar or Home Menu. Once the application is running the User can also adjust the Interface Style as desired.

### Displaying Tab Bar:

- 1) Tap **Settings** > **General**.
  - 2) Scroll down to the Quick Acces section and Tap the **Tab Bar** button. Tap **Home Menu** to return to the legacy Home Screen menu.
- Panel Mode is customizable and can be configured to display an instrument panel with virtual instruments to indicate GPS altitude, attitude indicator (when connected to a GDL 39 3D), ground speed, vertical speed, course, and lateral deviation as well as a table with up to 15 configurable data fields for monitoring navigation data.
  - Widget Mode enables a series of customizable data windows called 'Widgets' to be displayed. Widgets offer quick access to a variety of aviation weather products (METARs, TAFs, Winds Aloft, NOTAMs, etc.) for nearby or selected airports and can also display up to 14 navigation parameters which are also configurable.

Charts, SafeTaxi, and Traffic when viewed in split-screen, have the same function, navigation, and capabilities as the full screen versions of these products just displayed in half screen. The Flight Plan provides the same navigation information as found on the Flight Plan Page in a split-screen view.


Garmin Pilot supports the Apple Pencil 2 double-tap gestures for a quick and easy way to annotate Terminal Charts, Documents, and Scratch Pad entries.

Double-tap includes the ability to:

- Switch between current tool and the eraser.
- Switch between the current tool and the last used tool.
- Show color palette.

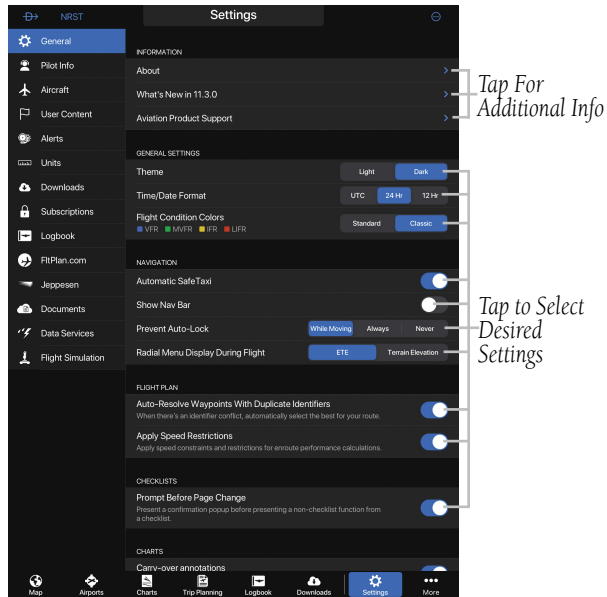
### To Change the behavior of Apple Pencil double-tap gestures:

- 1) Open the iPad Settings Menu.
- 2) Tap **Apple Pencil**.
- 3) Tap **Only Draw with Apple Pencil** or **Scribble**, as desired.

Garmin Pilot requires a data connection for downloading maps and other data prior to departure, but once everything needed for the flight is downloaded, Garmin Pilot is ready to navigate. Tap **Home** >  to access the Downloads Page.

# GETTING STARTED

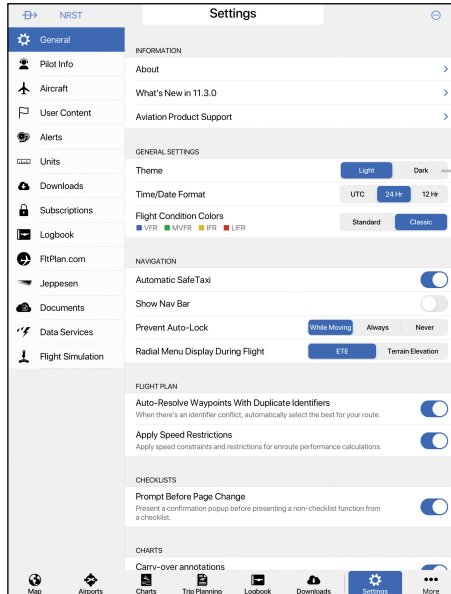
Garmin Pilot is fully functional immediately upon installation, but there are a few options available to optimize performance right away. The best place to start is with the highly intuitive Settings Menu, which can be found by momentarily tapping the Home Button and then the Settings Icon. Depending on the user's configuration, the Settings Icon is usually available from the Home Button. From the Settings Menu, it is possible to set up or change the theme, time format, show/hide features like the Navigation Bar (on the map or chart display), or input pilot profile and aircraft information, manage user waypoints, manage data subscriptions, and much more. All of these, and more selections are available by tapping the tab associated with the desired function. The default Theme for Garmin Pilot is "Dark".



Garmin Pilot - General Settings - Dark Theme

## Adjusting Theme for Garmin Pilot:

- 1) Tap **Home** >  .
- 2) Tap **Light** or **Dark**, as desired.



*Tap to Select  
Desired Theme*


**Garmin Pilot - General Settings - Light Theme**

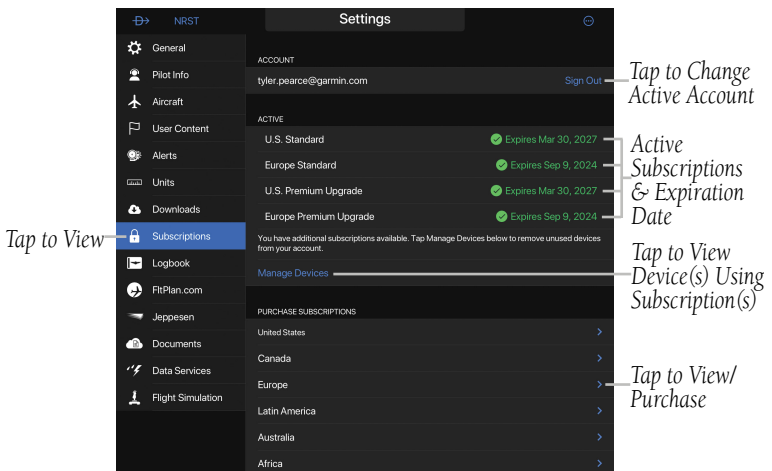


## GARMIN ACCOUNT SIGN IN

Garmin Pilot uses the same login information as flyGarmin and myGarmin. Logging in with a Garmin account allows Garmin Pilot to sync pilot and aircraft information, flight plans, logbook, trips and user waypoints across multiple devices. A Garmin account also both allows subscription renewals and automatically renewing subscriptions on flygarmin.com.

### Logging In to Garmin Pilot:

- 1) Tap **Home** >  **Settings**.
- 2) Tap **Subscriptions**.
- 3) Tap **Sign In** or **Update To Garmin Account**.
- 4) Enter a Garmin username and password or create a new account. Any Garmin Pilot subscriptions purchased on flygarmin.com or in the app are linked to this account.



Garmin Account Sign In

## NAVIGATION BAR



Garmin Pilot's user interface is comprised of icons and active areas that provide access to the various features and functions of the application. The Navigation Bar, located at the top of every page, provides access to many of the basic functions.



## DIRECT TO

The Direct To button can be accessed from any page and provides a quick and easy way to navigate direct to any waypoint (e.g., Search Waypoints, Flight Plan Waypoint, Recent Waypoint, Nearest Waypoints, or User Waypoints).

### Navigating Direct To:

- 1) Tap .
  - 2) Within the Direct To dialog window choose one of the nearby Navigation Database features from the list.
- Or:** Choose a waypoint from one of the other tabs (e.g., Search, FPL, Recent, Nearest, Favorite, or User).
- 3) Tap **Activate** to begin navigation.
  - 4) Tap  > **Clear** to stop Direct To navigation.

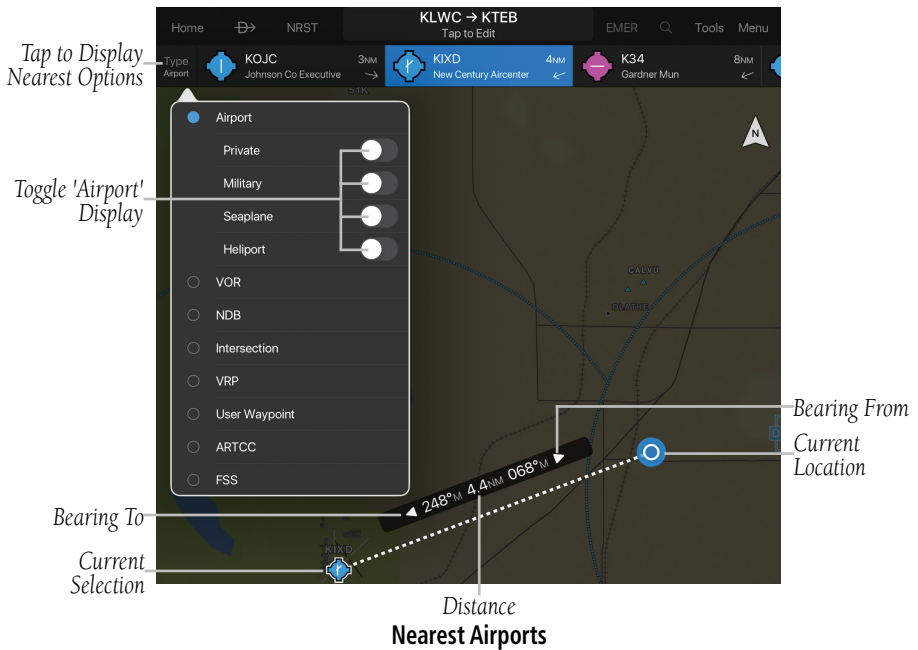


**Direct To Dialogue**

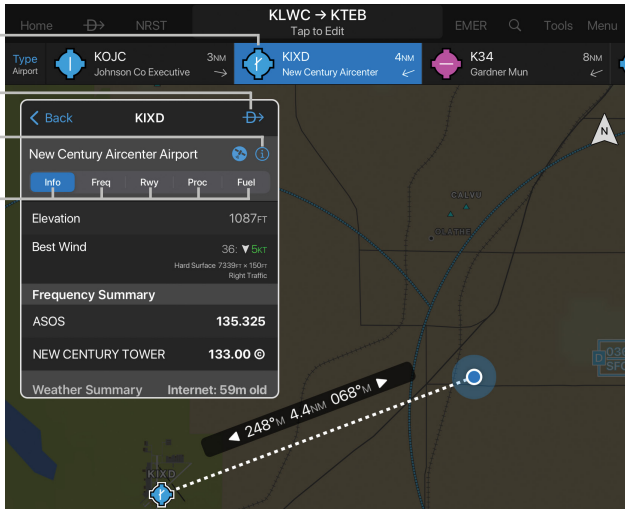
## NEAREST

### Displaying the Nearest Airport:

- 1) Tap **NRST** > **Type** > **Airport**.
- 2) To include **Private**, **Military**, **Seaplane**, or **Heliports**, toggle the switch 'ON'.
- 3) Tap once to select the Nearest Airport from the list, and tap again to display the airport information.



Tap to Display  
Airport Info  
Tap to Activate  
Direct-To  
Tap For Details  
Tap Desired Tab



Nearest Airport Information

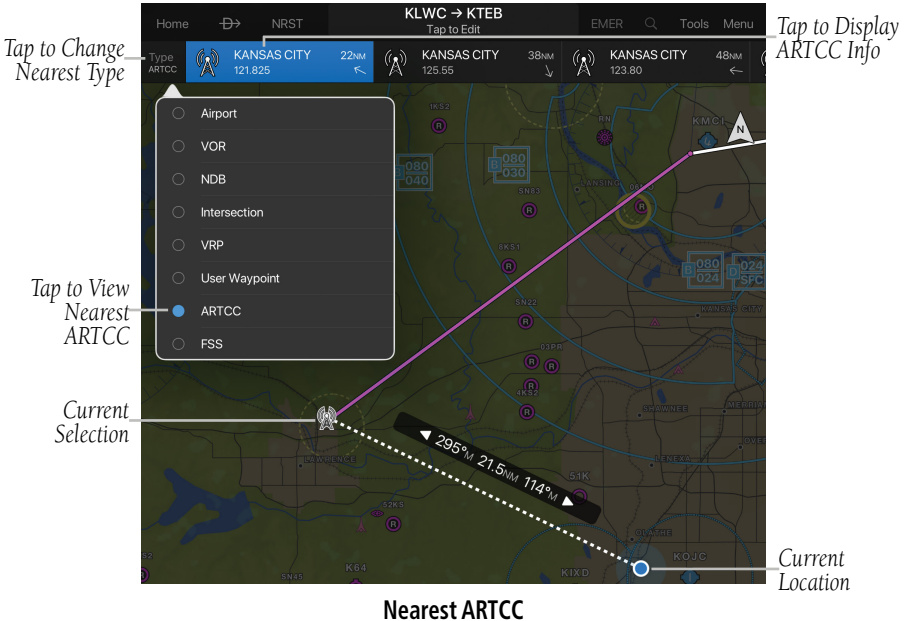
## Displaying the Nearest VOR, NDB, Intersection, VRP, or User Waypoint:

- 1) Tap **NRST** > **Type**.
- 2) Tap **VOR**, **NDB**, **Intersection**, **VRP**, or **User Waypoint**.
- 3) Tap the nearest 'VOR', 'NDB', 'Intersection', 'VRP', or 'User Waypoint' from the list to display the navigation information.




## Displaying the nearest ARTCC or FSS:


- 1) Tap **NRST** > **Type**.
- 2) Tap **ARTCC** or **FSS**.
- 3) Tap the nearest 'ARTCC' or 'FSS' from the list.
- 4) Tap again to display additional information.

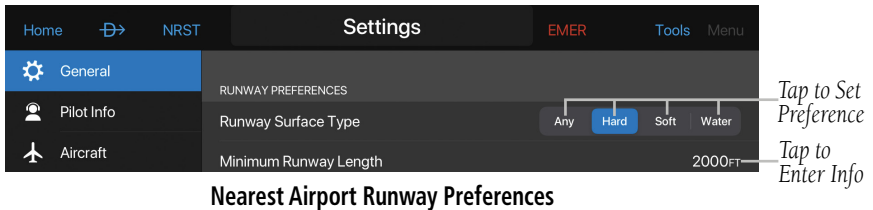


### Setting the Nearest Airport Runway Surface Type:

- 1) Tap **Home** >  > **General**.
- 2) Tap **Any**, **Hard**, **Soft**, or **Water** in the Runway Surface Type field.

### Setting the Nearest Airport Minimum Runway Length:

- 1) Tap **Home** >  > **General**.
- 2) Tap the Minimum Runway Length field to enter a value.



## EMERGENCY MODE (EMER)


The red Emergency (EMER) button located on the Navigation Bar can be accessed from any page and provides a quick way to reduce the pilot's workload in an emergency situation. The EMER button can be configured to be displayed only when in flight.

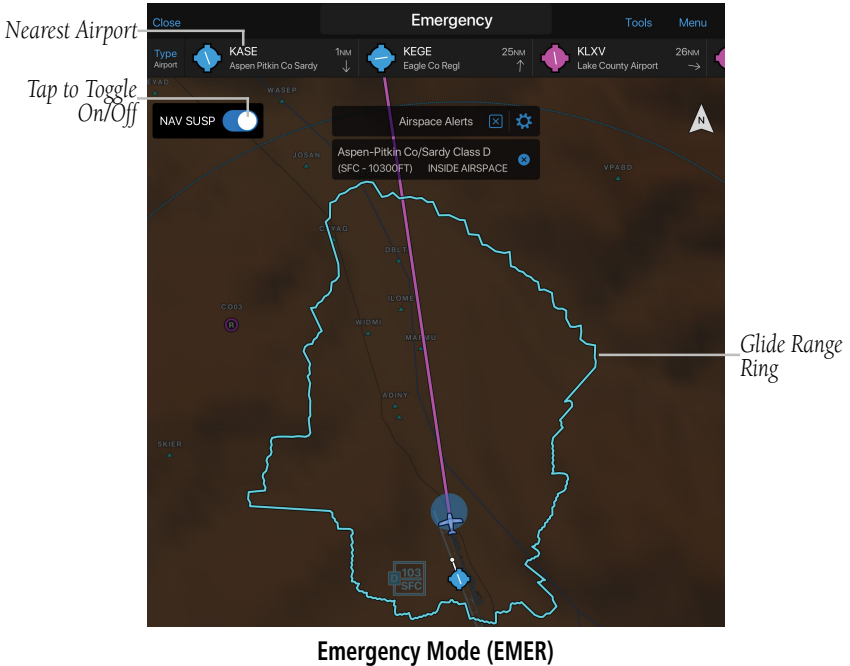
The EMER button will display the following:

- The Glide Range Ring using terrain and winds aloft data.
- NAV SUSP button.
- The Emergency checklist in split screen mode if configured on the iPad only.



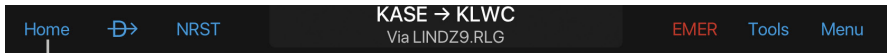
### Setting the EMER Button to be Displayed Only When in Flight:

- 1) Tap **Home** >  > **General**.
- 2) Scroll to the **Emergency** section.
- 3) Tap the **Hide EMER When Not Flying** button to On.

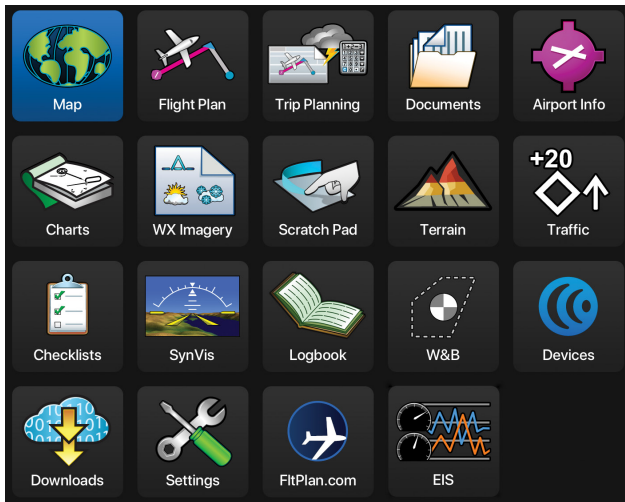


## HOME MENU

The Home Menu is the primary means of accessing many of the features of Garmin Pilot. The Home Menu provides quick access to the various pages within Garmin Pilot: Map, Flight Plan, Trip Planning, Documents, Airport Info, Charts, Weather Imagery, Scratch Pad, Terrain, Traffic, Checklists, Synthetic Vision, Logbook, Weight and Balance, Devices, Downloads, Settings and FltPlan.com.













Tap 'Home'












Home Menu

## HOME MENU ICONS

Touch the following icons to display the associated function:


	Map	Displays the Map Page, which provides full en-route navigation capabilities on a moving map.
	Flight Plan	Displays the Active Flight Plan Page, where flight plans can be created, stored, shared, modified, and reversed.
	Trip Planning	Displays the Trip Planning Page, which manages all of the trip planning details for each trip.
	Documents	Displays the Documents Page, making it easy for pilots to access, organize and annotate electronic documents required for flying.
	Airport Info	Displays the Airport Information Page, which includes basic airport info, frequencies, runways, procedures, weather, NOTAM's, FBO's, fuel prices/fees, FAA remarks, & Nav Aids.
	Charts	Displays the Charts Page, where various navigational charts can be viewed when properly downloaded.
	WX Imagery	Displays the Weather Imagery Page, providing various meteorological data for both real-time and forecast weather events.
	Scratch Pad	Displays the Scratch Pad Page, which allows the pilot to quickly draw or write down info on the device screen.
	Terrain	Displays the Terrain View, which displays altitudes of terrain and obstructions relative to the aircraft position and altitude.
	Traffic	Displays the Dedicated Traffic Page.

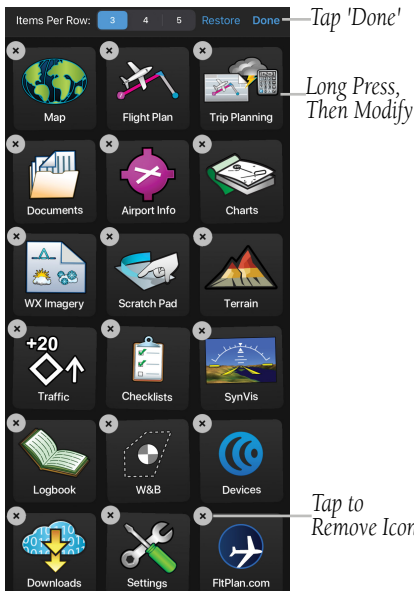
	Checklists	Displays the Checklists Page where specific aircraft electronic checklists can be viewed to ensure proper flight procedures.
	Synthetic Vision	Displays the Synthetic Vision View, which depicts a forward-looking attitude display of the topography immediately in front of the aircraft.
	Logbook	Displays the Logbook Page, which allows the pilot to record pertinent flight information such as currency, endorsements, & photos.
	Weight & Balance	Displays the Weight & Balance, which is calculated to determine if the airplane is properly loaded within CG limits.
	Devices	Displays the Devices Page, which allows the wireless sharing of data between devices via Bluetooth®, or, if properly equipped, Wi-Fi.
	Downloads	Displays the Downloads Page, which automatically downloads file updates and next cycles as they become available.
	Settings	Displays the Settings Page, which includes General, Pilot Info, Aircraft, User Content, Alerts, Units, Downloads, Subscriptions, FltPlan.com, Jeppesen, Documents, Data Services, & Flight Simulation.
	FltPlan.com	Displays FltPlan.com information for flight plans after linking and syncing your FltPlan.com credentials.
	Flight Data Log Visualization	Displays real-time engine information in-flight when paired with an EIS-capable flight display. Upon landing, the flight data log is wirelessly uploaded and stored to flygarmin.com.
<b>Home Menu Icons</b>		

## CUSTOMIZE HOME MENU ICONS

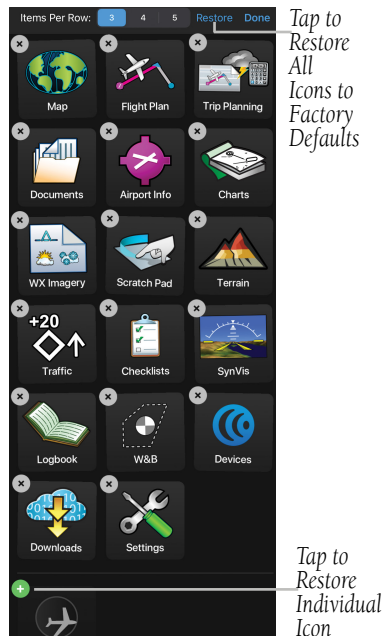
The Home Menu icons can be customized for icon placement, hiding icons, and format the number of icons in each row.

### Customizing the Home Menu Icons:

- 1) Long press an icon (e.g. Map icon) to enter the edit mode.
- 2) Tap and move the icon to the desired location.
- 3) Tap  on the icon to move it to a tray hidden from the Home Menu screen.
- 4) Select 'Done'.



Customize Home Menu Icons



Restoring Icons to Home Menu

## Restoring an icon to the Home Menu:

- 1) Tap on the icon in the tray hidden from the Home Menu.
- Or:
- 2) Select 'Restore'.



**NOTE:** When running Garmin Pilot software version 11.3 or newer, the ability to change the number of items per row is only available on the iPad.

## TAB BAR











The Tab Bar, located at the bottom of the screen, when activated, may be used as an alternate means of accessing many of the features of Garmin Pilot. The Tab Bar is configurable and provides quick access to the various pages within Garmin Pilot (e.g., Map, Flight Plan, Trip Planning, Documents, Airport Info, Charts, Weather Imagery, Scratch Pad, Terrain, Traffic, Checklists, Synthetic Vision, Logbook, Weight and Balance, Devices, Downloads, Settings and FltPlan.com).












Tab Bar - More Menu

## TAB BAR ICONS

Touch the following icons to display the associated function:

	Map	Displays the Map Page, which provides full en-route navigation capabilities on a moving map.
	Flight Plan	Displays the Active Flight Plan Page, where flight plans can be created, stored, shared, modified, and reversed.
	Trip Planning	Displays the Trip Planning Page, which manages all of the trip planning details for each trip.
	Documents	Displays the Documents Page, making it easy for pilots to access, organize and annotate electronic documents required for flying.
	Airport Info	Displays the Airport Information Page, which includes basic airport info, frequencies, runways, procedures, weather, NOTAM's, FBO's, fuel prices/fees, FAA remarks, & Nav Aids.
	Charts	Displays the Charts Page, where various navigational charts can be viewed when properly downloaded.
	WX Imagery	Displays the Weather Imagery Page, providing various meteorological data for both real-time and forecast weather events.
	Scratch Pad	Displays the Scratch Pad Page, which allows the pilot to quickly draw or write down information on the device screen.
	Terrain	Displays the Terrain View, which displays altitudes of terrain and obstructions relative to the aircraft position and altitude.
	Traffic	Displays the Dedicated Traffic Page.

	Checklists	Displays the Checklists Page where specific aircraft electronic checklists can be viewed to ensure proper flight procedures.
	Synthetic Vision	Displays the Synthetic Vision View, which depicts a forward-looking attitude display of the topography immediately in front of the aircraft.
	Logbook	Displays the Logbook Page, which allows the pilot to record pertinent flight information such as currency, endorsements, & photos.
	Weight & Balance	Displays the Weight & Balance, which is calculated to determine if the airplane is properly loaded within CG limits.
	Devices	Displays the Devices Page, which allows the wireless sharing of data between devices via Bluetooth®, or, if properly equipped, Wi-Fi.
	Downloads	Displays the Downloads Page, which automatically downloads file updates and next cycles as they become available.
	Settings	Displays the Settings Page, which includes General, Pilot Info, Aircraft, User Content, Alerts, Units, Downloads, Subscriptions, FltPlan.com, Jeppesen, Documents, Data Services, & Flight Simulation.
	FltPlan.com	Displays FltPlan.com information for flight plans after linking and syncing your FltPlan.com credentials.
	Flight Data Log Visualization	Displays real-time engine information in-flight when paired with an EIS-capable flight display. Upon landing, the flight data log is wirelessly uploaded and stored to flygarmin.com.
<b>Tab Bar Icons</b>		



### Displaying Tab Bar:

- 1) Tap **Settings** > **General**.
- 2) Scroll down to the Appearance section and Tap the **Tab Bar** button. The Tab Bar will now be visible on the bottom of the screen throughout the Garmin Pilot program.



### Removing Tab Bar:

- 1) Tap **Settings** > **General**.
- 2) Scroll down to the Appearance section and Tap the **Home Menu** button to remove the Tab Bar and use the traditional Home Menu.


## CUSTOMIZE TAB BAR ICONS

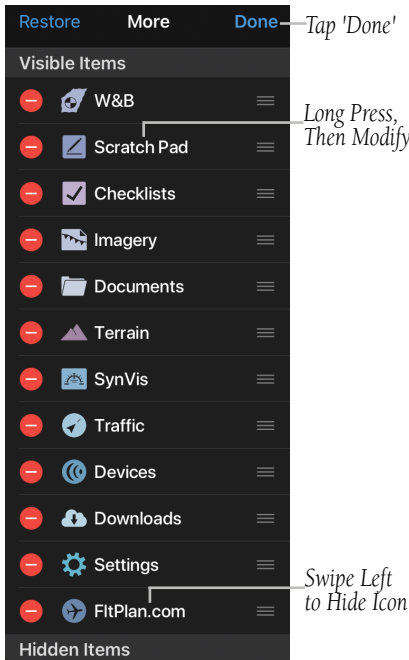


**NOTE:** The Tab Bar permanently displays the More icon, allowing up to seven (7) additional visible icons. When customizing the visible icons Tab Bar and seven icons are visible, please remove the icon from the horizontal list first, then replace with the desired icon from the vertical list.

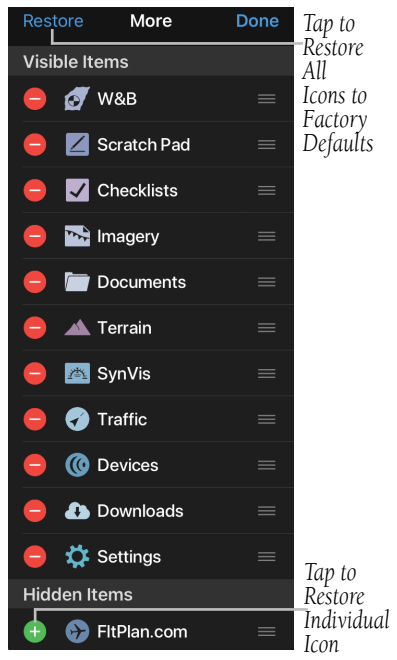
The order of the items in the tab bar may be customized using Apple's drag-and-drop gesture to move icons to their desired location. The More menu contains the items not visible in the tab bar, which may be reordered or hidden from view. The item to the right of the horizontal line is dynamic and displays the most recently viewed feature from the More menu.

### Customizing Tab Bar Icons:

- 1) Press and hold an icon in the tab bar.
- Or:
- 2) Tap **More** > **Edit**.
- 3) Move the icon to the preferred location.
- 4) Tap  and swipe left to hide items from the Tab Bar.
- 5) Once all changes have been made, select **Done**.



Customize Tab Bar Icons



Restoring Icons to Tab Bar

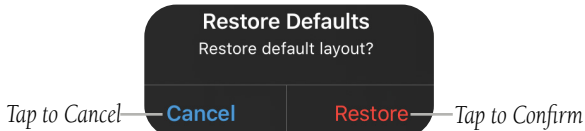
## Restoring an Icon to the Tab Bar:

1) Tap  on the icon in the Hidden Items portion of the More menu.

Or:

2) Tap **Restore** to display the Restore Defaults confirmation window.

3) Tap **Restore** to load default layout.



Tab Bar - Restore Defaults Prompt

## TOOLS



**NOTE:** All visual depictions contained within this document, including screen images of Garmin Pilot™ panel and displays, are subject to change and may not reflect the most current Garmin Pilot™ software and aviation databases.

The Tools Button provides access to the Lock Screen, Stopwatch, and Alerts features. The **Lock Screen** feature, locks the screen to any tap except for the on-screen Unlock button. **Lock Screen** also locks the display orientation. When the screen is locked, tapping on the screen won't change any of the set parameters. Instead, anytime the screen is tapped the bezel information window is replaced with a '**Screen Locked**' annunciation.

### Locking/Unlocking the Screen:

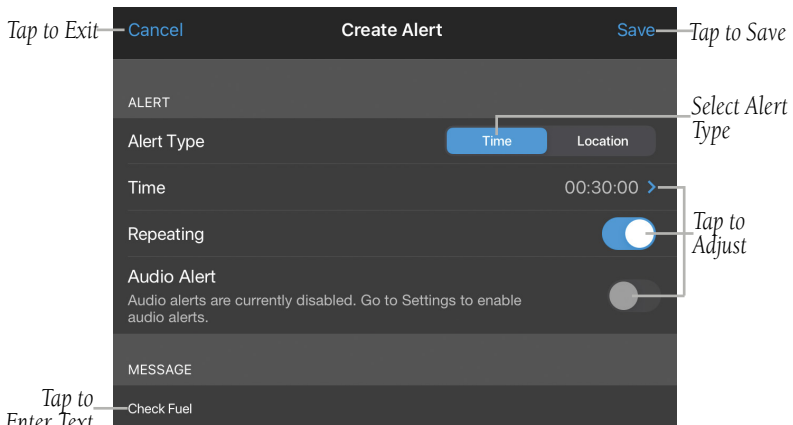
- 1) Tap **Tools** > **Lock Screen**.
- 2) Tap **Unlock** to unlock the screen.

## ALERTS

Create Alerts based on time or location. Alerts that are based on time, can range from 10 seconds to several hours. Time alerts can also be set to repeat. Location based Alerts can be set to; At, Before, After, or Abeam a Flight Plan Waypoint.

### Creating a time based alert:

- 1) Tap **Tools > Alerts > Add Alert.**
- 2) Tap **Time.**
- 3) Enter the desired count down time (HH:MM:SS).
- 4) If desired, use the Repeating **On/Off** switch, to enable/disable repeating.
- 5) If desired, use the Audio Alert **On/Off** switch, to enable/disable when properly configured.
- 6) Tap **Save.**



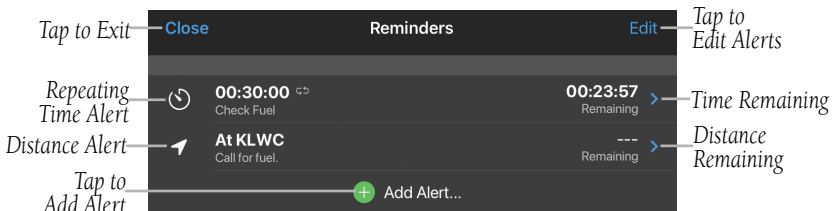
Creating Alert - Time Based

### Creating a location based alert:

- 1) Tap **Tools > Alerts > Add Alert**.
- 2) Tap **Location**.
- 3) Tap the Relationship field and select **Before, At, After,** or **Abeam**.
- 4) Tap the Distance field, and use the keypad to set the desired distance in nautical miles.
- 5) Tap the Waypoint field, and select the desired waypoint from the list.
- 6) If desired, use the Repeating **On/Off** switch, to enable/disable repeating.
- 7) If desired, use the Audio Alert **On/Off** switch to enable/disable when properly configured.
- 8) If desired, tap the Message field, and use the keypad to enter a custom message.
- 9) Tap **Save**.

### Editing Alerts:

- 1) Tap **Tools > Alerts**.
- 2) Tap the desired alert from the list.
- 3) Tap the desired field(s) to edit.
- 4) Tap **Save**.



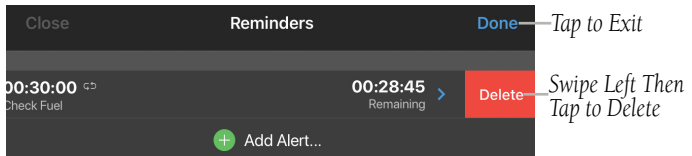
Tools - Alerts

## Deleting Alerts:

- 1) Tap **Tools > Alerts**
- 2) Swipe right to left over the Alert title.
- 3) Tap **Delete**.

**Or:**

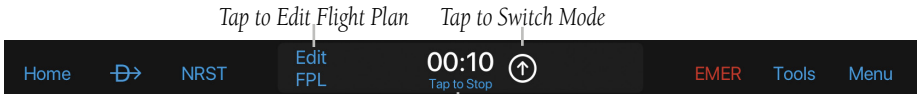
- 1) Tap **Tools > Alerts > Edit**.
- 2) Tap  > **Delete**.



Deleting Alert



## STOPWATCH

Use the stopwatch to check performance or to time a missed approach.



*Tap to Stop, Start, Reset*  
**Tools - Stopwatch & Timer**

## Using the Stopwatch & Timer:

- 1) Tap **Tools** > **Stopwatch**.
- 2) Tap **Tap to Start** to start, **Tap to Stop** to stop, or **Tap to Reset** to reset.
- 3) Tap   to switch between Stopwatch and Timer functionality.
- 4) Tap **Edit FPL** to edit active Flight Plan.
- 5) Tap **Tools** > **Stopwatch**, to hide the Stopwatch. If the Stopwatch is still counting when it is hidden it will continue to count up until reset.

## DEMO MODE



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**NOTE:** When entering a value for Vertical Speed, the aircraft will climb and descend at this rate when altitude changes are made. Setting the vertical speed to zero (0) will override this and cause altitude changes to take effect immediately.

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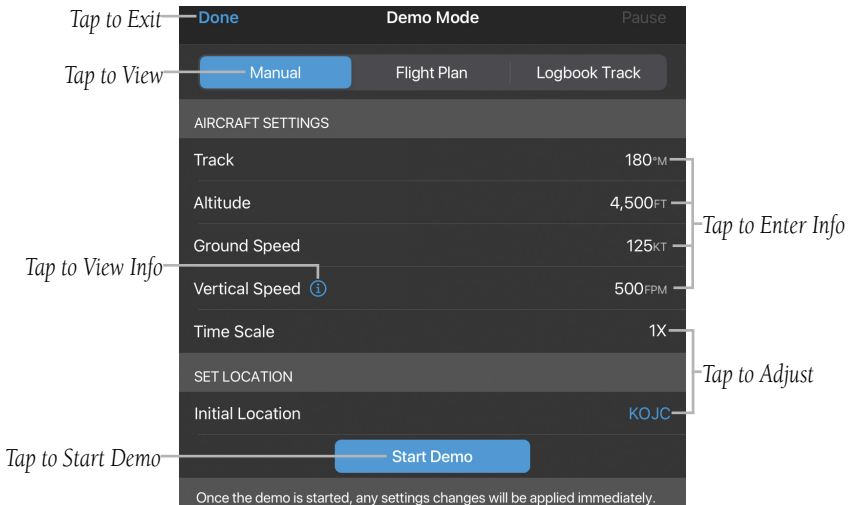
**NOTE:** In order to autolog Demo Flights, Terrain and Obstacle data must be downloaded. Click **Home** > **Downloads** to verify and/or download the applicable Obstacle Database & Terrain Database.

---

Demo Mode simulates flight activity, allowing the user to preview a trip before takeoff or review a previous flight. There are three (3) Demo modes available; Manual, Flight Plan, and Logbook Track.

### Entering Demo Mode - Manual:

- 1) Tap **Tools > Demo Mode > Manual**.
- 2) Enter Track, Altitude, Ground Speed, and Vertical Speed.
- 3) Adjust the **Time Scale**, as desired (e.g. 2X).
- 4) Tap the ICAO Airport ID (e.g. KOJC) to set the Initial Location.
- 5) Tap **Start Demo > Done**.
- 6) From the Map page, with Demo Mode active, touch **DEMO** at the top of the screen to adjust settings, pause, and/or stop Demo Mode.

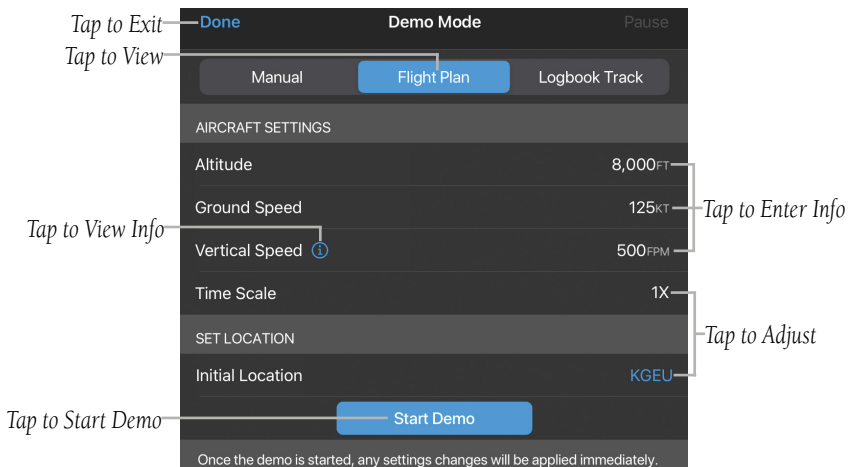


**Tools - Demo Mode - Manual Menu**



### Entering Demo Mode - Flight Plan:

- 1) Tap **Tools > Demo Mode > Flight Plan**.
- 2) Enter Altitude, Ground Speed, and Vertical Speed.
- 3) Adjust the **Time Scale**, as desired (e.g. 2X).
- 4) Tap the ICAO Airport ID (e.g. KGEU) to set the Initial Location.
- 5) Tap **Start Demo > Done**.
- 6) The active flight plan loads automatically. From the Map page, with Demo Mode active, touch **DEMO** at the top of the screen to adjust settings, pause, and/or stop Demo Mode.



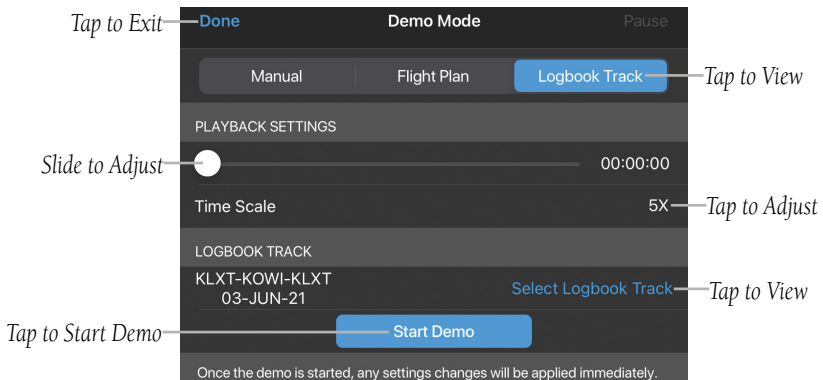
**Tools - Demo Mode - Flight Plan Menu**

## Entering Demo Mode - Logbook Track:

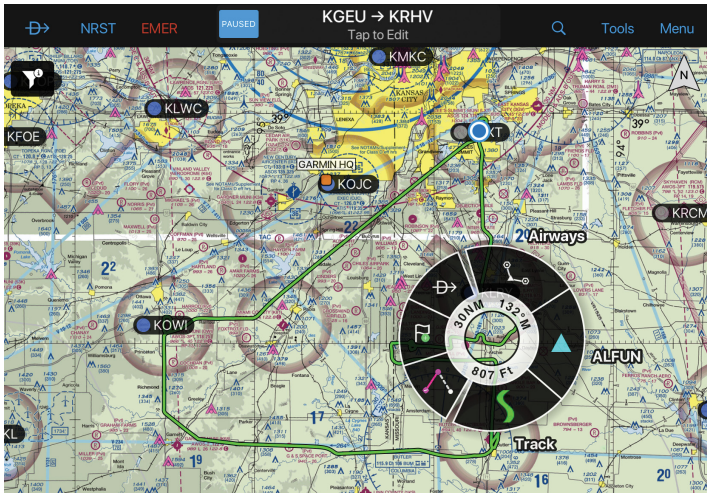


**NOTE:** To remove the logbook track from the Map, touch the track to display the Radial Menu, select the green Track icon, then 'uncheck' the displayed logbook track.

- 1) Tap **Tools > Demo Mode > Logbook Track**.
- 2) Adjust the slider to the desired timeframe.
- 3) Adjust the **Time Scale**, as desired (e.g. 5X).
- 4) Tap **Select Logbook Track** to view a list of available tracks, then select the desired track.
- 5) Tap **Start Demo > Done**. The logbook track will be displayed in green and overlaid on the Map.
- 6) From the Map page, with Demo Mode active, touch **DEMO** at the top of the screen to adjust settings, pause, and/or stop Demo Mode.



**Tools - Demo Mode - Logbook Track Menu**



Tools - Demo Mode - Map - Logbook Track

## HELP FILE

This help file is designed to provide a comprehensive guide to help with understanding how to use Garmin Pilot for reviewing aviation weather, airport information, creating and filing flight plans, and for viewing charts, maps, and navigation data in-flight.

The Garmin Pilot in-app help file provides comprehensive information about buttons unique to each page, the menu structure in each page and information about each button. The help file can be accessed from any page by tapping the **Tools** Button located in the Navigation Bar and then tapping **Help** in the page sensitive menu.

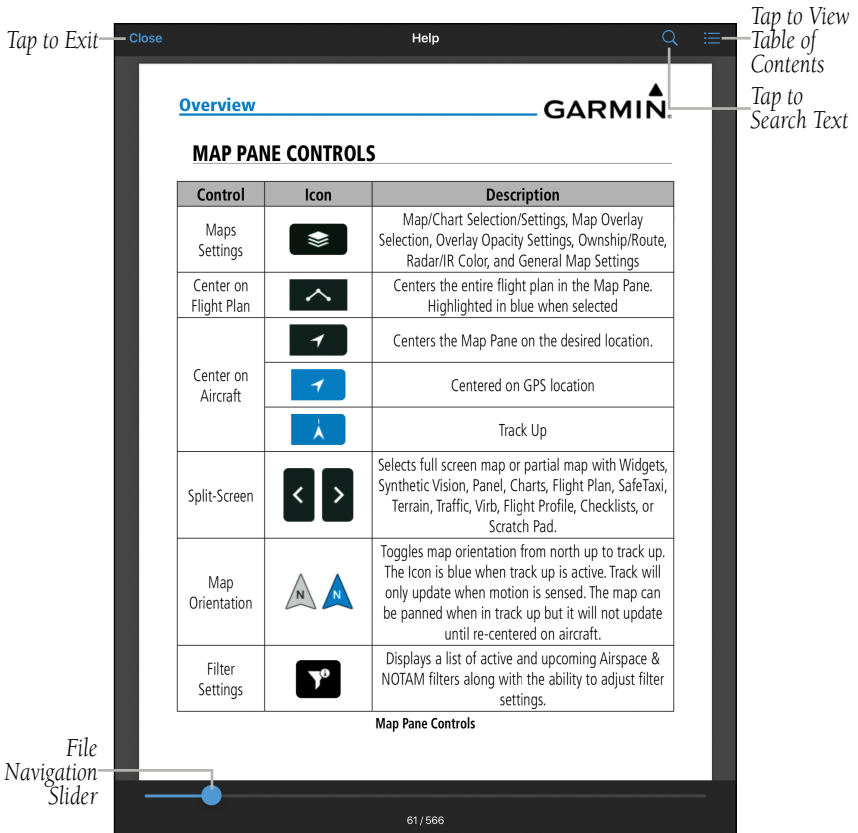
### Accessing the Help File:

Tap **Tools** > **Help**.



**NOTE:** The Help File is context sensitive and opens to the section of the Help File associated with the current page.

Navigating within the Help File is as easy as dragging a finger from right to left or left to right across the screen. The Navigation Slider at the bottom of the page, and the Table of Contents Button (☰) in the upper right corner, can be used to quickly access different sections of the help file. To search for specific text within the Help File, tap the 'Search' icon after entering the desired text. To exit the Help File, simply tap the **Close** Button in the upper left corner of the page.



## Tools - Help File














# MENU

The Menu Button provides a page-sensitive menu structure. Each page has specific menu options that control, search, navigate, or display page-sensitive items.



Map Page - Menu - Split Screen

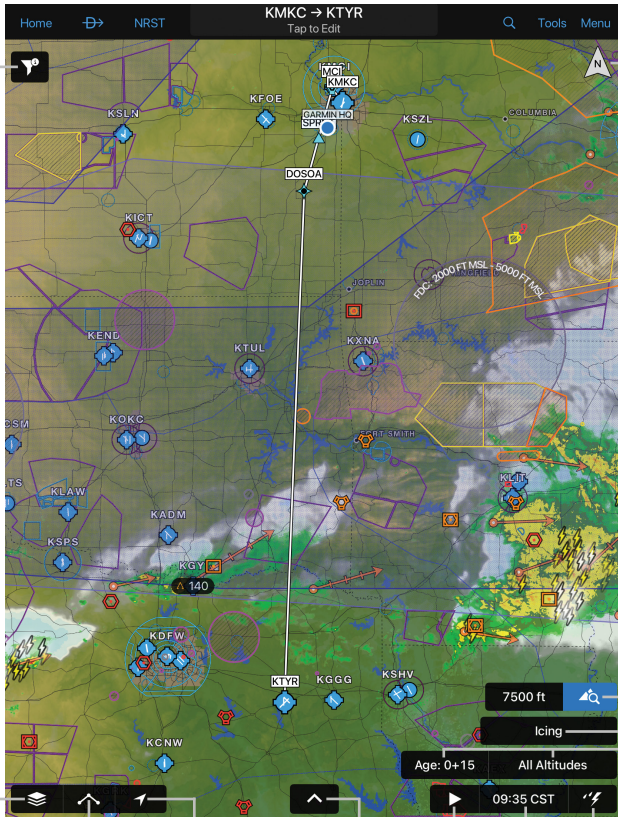
## MAP PANE CONTROLS

Control	Icon	Description
Map Settings		Map/Chart, Overlays, Filters, Radar/IR Color, Opacities, Ownship/Route, General.
Center on Flight Plan	 	Centers the entire flight plan in the Map Pane. Highlighted in blue when active.
Center on Aircraft		Centers the Map Pane on the desired location.
		Centered on GPS location
		Track Up
Split-Screen	 	Toggles split screen 'On/Off', allowing the User to view additional information related to the flight, e.g. SynVis.
Map Orientation	 	Toggles map orientation from north up to track up. The Icon is blue when track up is active. Track will only update when motion is sensed.
Filter Settings		Displays a list of active and upcoming Airspace & NOTAM filters, along with filter visibility settings.
Terrain Planner	 	Highlights terrain near, at, or above the flight plan altitude and/or a User selected altitude. The icon is blue when the terrain planner is active, allowing the User to select the desired altitude.

### Map Pane Controls

Airspace & NOTAM Filters

Map Orientation



Map Settings  
Center on Flight Plan

Center on Aircraft & Track Up

Split-Screen

Map Overlay Controls

Terrain Planner  
Tap to View/Adjust

### Map Pane Controls

## FLIGHT PLAN QUICK ACCESS

The Map page provides a shortcut to access the active flight plan without changing pages. Tap the map title to display the entire flight plan. The flight plan window displays the entire flight plan as well as relevant flight plan details. Flight plan waypoints can be edited by tapping any row in the flight plan. Tap outside the flight plan window to close it and return to the map.

Active or edited flight plans can be saved by tapping the **Create Trip** button, then 'Save' on the Trip Planning page, or by tapping the bookmark icon, then 'Add' to save the flight plan to Stored Flight Plans.

Tap to View, Edit, & Create Flight Plan

Save/View Edited Flight Plan



Tap to Expand/Collapse

Tap to Load Flight Plan in Trip Planning Page

Flight Plan Quick Access Page




## MAP/CHART SELECTION AND SETTINGS

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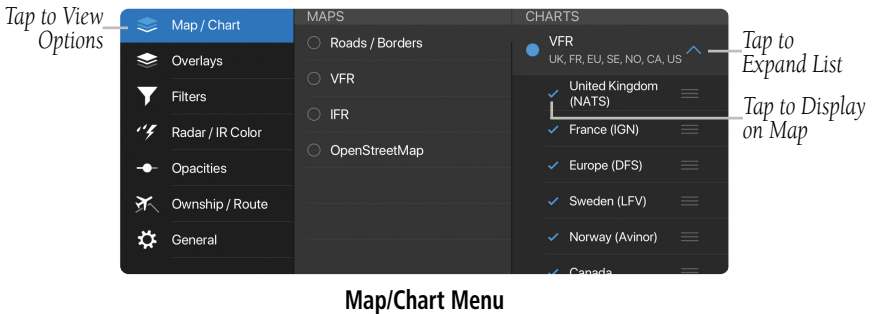
The following charts are available for viewing in the map area: VFR, IFR Low, IFR High, VFR Helicopter, IFR Helicopter, and WAC. Charts are high-resolution color images that resemble published hard-copy charts. Charts for North American regions are similar to charts from National Aeronautical Navigation Products (AeroNav) and provided with the Garmin Pilot base subscription. Canadian VFR and IFR charts provided by Nav Canada are available in one subscription.

Charts for regions in the United Kingdom, provided by National Air Traffic Services (NATS), are available in subscriptions for North England and North Ireland VFR charts; South England and Wales VFR charts; Scotland VFR, Latin America VFR, and South Africa VFR charts. Most European VFR charts are provided by Deutsche Flugsicherung (DFS) available on a per-country basis or as bundles. Swedish VFR charts are provided by LfV. Norwegian VFR Charts are provided by Avinor. French VFR charts are provided by Institut Géographique National (IGN), and Italian VFR charts are provided by ENAV.

Maps are available in four different themes, Roads/Borders, VFR, IFR, and OpenStreetMap. The Roads/Borders Map is a very basic map showing major roads, bodies of water, borders and Flight Plan information. The VFR themed map is similar to a VFR Aeronautical chart, showing map information pertinent to VFR navigation. The IFR themed map is similar to an IFR area chart, showing map information that is pertinent to IFR flight. The OpenStreetMap themed map is high resolution detailed street maps for enhanced situational awareness. Each map theme can be customized and saved for future use by tapping the  icon that appears when a map theme is selected.

## Selecting a Map Theme or Chart:

- 1) Tap  > **Map/Chart**.
- 2) Tap the radio button or Map/Chart title to select a Map/Chart.




## Selecting a Helicopter Chart Overlay:



**NOTE:** A chart basemap must be selected to display helicopter overlays.



**NOTE:** For information on downloading Helicopter Charts, refer to 'Downloads', discussed later in this section.

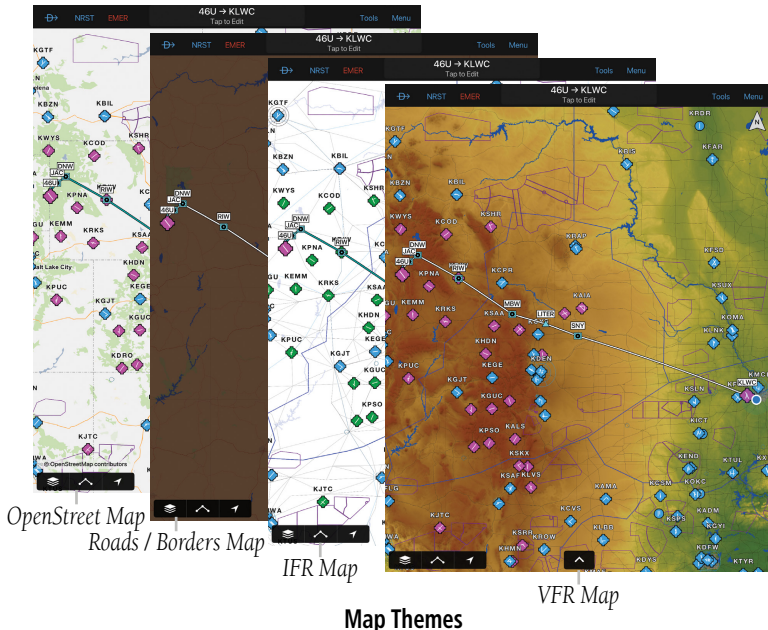
- 1) After downloading the desired Helicopter Charts, tap  > **Map/Chart**.
- 2) Tap a chart basemap (**VFR**, **IFR Low**, or **IFR High**).
- 3) Tap a Helicopter Overlay (**U.S. VFR Helicopter**, **Gulf VFR Helicopter**, or **Gulf IFR Helicopter**).

## ADVANCED MAP SETTINGS

Map Themes can be customized, renamed, and saved for future use. The Advanced Map Settings menu provides general settings for:

• Topography (Off, Shade, or On)	• Airports
• Map Color (White, Green, or Brown)	• Nav Aids
• Map Type (IFR or VFR)	• Airspaces
• Map Name	• Cities

When Topography is 'On', the map color is based on topography, but topography shading can be added to any map color.



**Accessing Advanced Map Settings:**

- 1) Tap > **Map/Chart** > **Map Name** > .
- 2) Tap **General**, **Airports**, **Nav Aids**, **Airspaces**, or **Cities**.
- 3) Use the sliders and selection buttons to set Visibility Ranges and Label Sizes for map features.
- 4) To give the new settings a name, Tap **General** > **Map Name**, and use the keyboard to enter a name.
- 5) Tap **Done** to save and exit, or tap **Restore Defaults** to restore the default Map Theme setting.

Map Setting Categories	Map Item	Options			
<b>General</b>	Topography	Off, Shade, or On			
	Map Color	White, Green, or Brown			
	Map Type	IFR, or VFR			
	Map Name	User Defined Name			
<b>Airports</b>	Visibility Range	Large Airports	Med Airports	Small Airports	Pvt Airports
		Off - 200 nm	Off - 50 nm	Off - 20 nm	Off - 20 nm
		Heliports	Seaplane Base	SafeTaxi	Traffic Patterns
		Off - 20 nm	Off - 50 nm	Off - 2 nm	Off - 2 nm
	Entry Routes	Holding Patterns	Airport Runways		
	Off - 2 nm	Off - 2 nm	Off - 2 nm		
	Label Size	Off, Small, Medium, Large			
<b>Nav Aids</b>	Visibility Range	VOR	NDB	Intersection	
		Off - 100 nm	Off - 50 nm	Off - 10 nm	
		VRP	Low Airways	High Airways	
	Off - 10 nm	Off - 100 nm	Off - 100 nm		
	Label Size	VOR, NDB, Intersection, VRP Off, Small, Medium, Large			

<b>Airspaces</b>	Visibility Range	Class A, B, C Off - 200 nm			Class D Off - 100 nm
		Class E/TRSA Off - 100 nm	TMA Off - 200 nm		Control Area CTA Off - 100 nm
		Control Zone CTR Off - 100 nm	ATZ/TIZ/MATZ Off - 100 nm		Euro Airway Off - 100 nm
	SUA Visibility Range	Restricted, Temporary, Alert / Warning, MOA Off - 200 nm			ADIZ Off - 500 nm
		Danger, Parachute Area, Natural Conservation Area, Avoid Overflying Area Off - 100 nm			
		Flight Info. Services Off - 500 nm	Other Off - 100 nm	Show ARTCC/ FIR Boundaries On/Off	
	Label Style	Airspace Size Off, Small, Medium, Large			
		Airspace Style Standard, Enhanced			
			Airspace Color Standard, Dark		
<b>Cities</b>	Visibility Range	Large City Off - 500 nm	Medium City Off - 200 nm	Small City Off - 100 nm	Small Town Off - 50 nm
	Label Size	Large City, Medium City, Small City, Small Town Off, Small, Medium, Large			

**Advanced Map Settings**



## HIDE AIRSPACE





**NOTE:** *Hide Airspace Above is not applied when "Hide Airspace Above Active FPL Altitude" is activated.*

Airspace 1,000 feet and above can be filtered from both the Map and Flight Plan page.



### Enabling Hide Airspace Above:

- 1) Tap  > .
- 2) Tap the numeric field next to Hide Airspace Above. The field will show a numeric value in feet, depending on prior configuration.
- 3) Tap the backspace button on the numeric keypad to delete the value and enter an updated altitude.

### Enabling Hide Airspaces Above Active FPL Altitude:

- 1) Tap  > .
- 2) Tap the Hide Airspace Above Active FPL Altitude switch to enable/disable.
- 3) Tap the "+" or "-" button to adjust the Altitude Margin.

### Disabling Hide Airspaces Above:

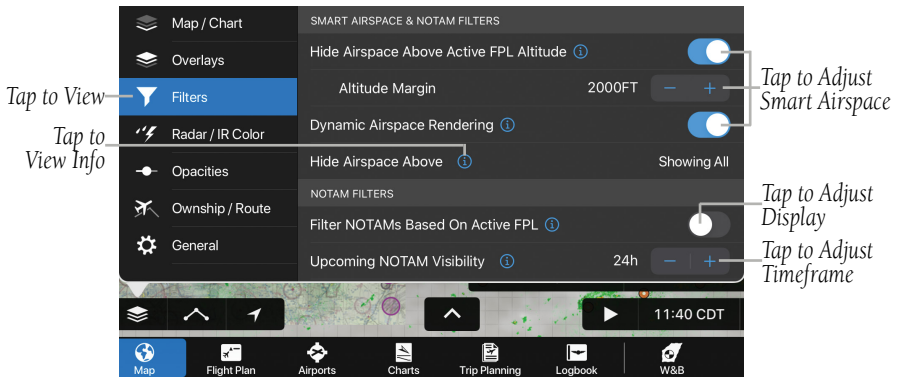
- 1) Tap  > .
- 2) Tap the numeric field next to Hide Airspace Above. The field will show a numeric value in feet, depending on prior configuration.
- 3) Tap the backspace button on the numeric keypad to delete the value.

## SMART AIRSPACE

Smart Airspace displays the airspace nearest the aircraft's current altitude and de-emphasizes airspaces at all other altitudes. Smart Airspace can be adjusted in the Filters overlay.

### Enabling/Disabling Smart Airspace:

- 1) Tap  > .
- 2) Tap the Dynamic Airspace Rendering switch to enable/disable.



Filters - Smart Airspace & NOTAM



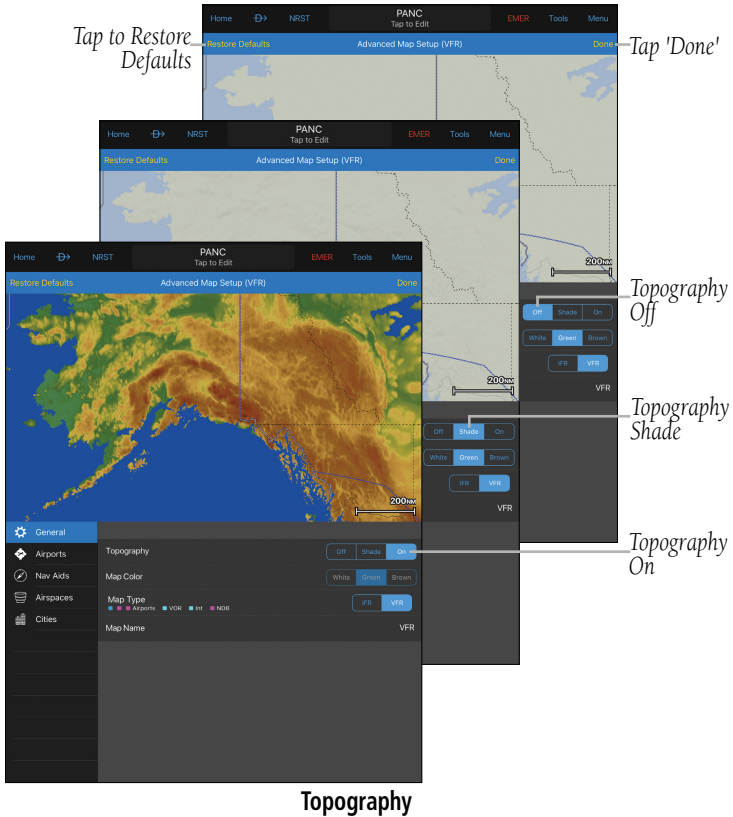
Current Selection

Map Page - Smart Airspace - Class B




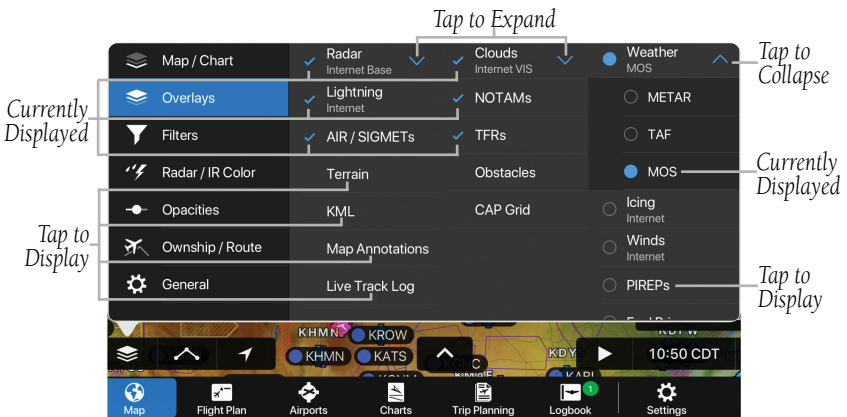
# TOPOGRAPHY

Maps can display topography shading on the base map color or various colors and shades representing land elevation, similar to aviation aeronautical charts.



## OVERLAYS

Map Overlays provide graphical weather products, graphical TFRs, NOTAMs, PIREPs, Live Track Log, Map Annotations, and Fuel Prices. Tap  to expand **Radar**, **Lightning**, **Weather** or **Cloud** types. Multiple layers in the first two columns can be selected for display. Only one overlay in the far right column can be selected for display at a time.



Map Overlays

## USER SHAPE FILES





**NOTE:** KML file size must be 4mb or less.

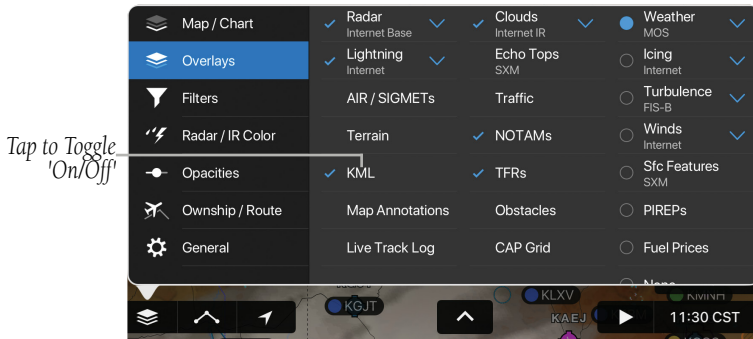
Users may now import custom KML map files with lines, points and complex shapes into Garmin Pilot. KML is a popular file type used to display geographic data in applications, such as Google Earth. The map shape files may be overlaid on the moving map display in Garmin Pilot to reference a geographic boundary, such as a practice area. KML files may be shared to Garmin Pilot via AirDrop, text, or email.

## Importing User Shape File from email:

- 1) Open email containing KML file on your iOS device.
- 2) Tap KML attachment to download.
- 3) Tap KML attachment again, select **Copy to Garmin Pilot**.

## Viewing User Shape File in Garmin Pilot:

- 1) From any screen, tap **Home** > .
- 2) Tap , then tap **KML**.



Map Overlays - KML - Enabled

## TERRAIN PLANNER



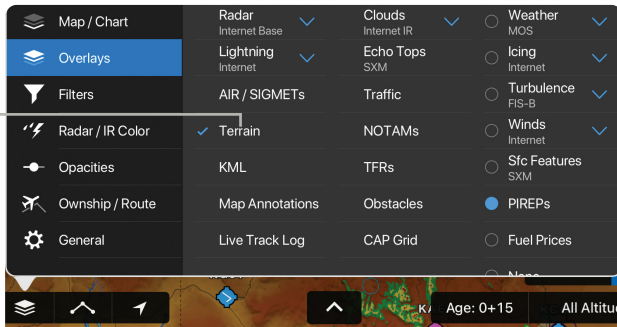
**NOTE:** A current Terrain database must be downloaded to enable the Terrain Planner feature. Tap **Home** > **Downloads** > **Terrain Database** to verify and/or download the necessary data.

The Terrain Planner feature allows the User to view and/or adjust terrain information from the Map page. After a flight plan has been entered, the altitude from the Flight Plan will be loaded in the Terrain Planner to provide a visual aid for the User.

## Enabling Terrain Planner:

- 1) From any screen, tap **Home** > .
- 2) Tap , then tap **Terrain**. A blue checkmark will appear when enabled.
- 3) Tap  to close and return to the Map.
- 4) Tap  to enable Terrain Planner. When enabled, the Terrain Planner icon will turn blue .
- 5) Next to the Terrain Planner icon, there will be an altitude button. Tap the altitude button to adjust the terrain display, as desired.
- 6) To remove the Terrain Planner, tap , then tap **Terrain**.

Tap to Toggle 'On/Off'



Map Overlays - Terrain - Enabled

Terrain Awareness for Selected Altitude



- Tap to Adjust Terrain Elevation
- Slide to Adjust Terrain Elevation
- Tap to Toggle 'On/Off'
- Tap to Adjust

Map Overlays - Terrain Planner - Select Altitude








## MAP ANNOTATIONS



**NOTE:** Users may save up to 3 pages of map annotations, which will appear on the dynamic map or chart whenever the Map Annotations layer is enabled.

The Map Annotation feature allows the User to take notes, draw taxiway routings, or highlight weather that may be of concern for an upcoming flight. Map Annotations are overlaid on the dynamic map or chart, and appear on top of weather or NOTAMs to increase visibility.

### Enabling Map Annotations:

- 1) From any screen, tap **Home** > .
- 2) Select **Map Annotations** from **Overlays** tab.
- 3) Tap the Pencil icon next in the bottom right corner next to the page number, e.g. 'Page 1' to display the blue annotation banner at the top of the page.
- 4) Double Tap the desired tool ( = Draw,  = Highlight, or  = Erase) to display the associated Tools Palette.
- 5) Tap the desired color.
- 6) Adjust the slider as desired, then tap outside of the options menu to annotate.
- 7) Tap  to "Undo" or  to "Redo" an annotation.
- 8) Tap  > **Clear Page** or **Clear All**, as desired.
- 9) If desired, tap 'Page 2' and/or 'Page 3' in the annotations banner to create additional page(s) containing annotations.
- 10) Tap **Close** to save annotations and exit Annotation Mode.



Overlays - Map Annotations

## LIVE FLIGHT LOG




**NOTE:** The Live Track Log requires Flight Track Logging to be enabled in the logbook settings, and uses the selected thresholds to start recording. Please refer to the Logbook Settings section for additional information.

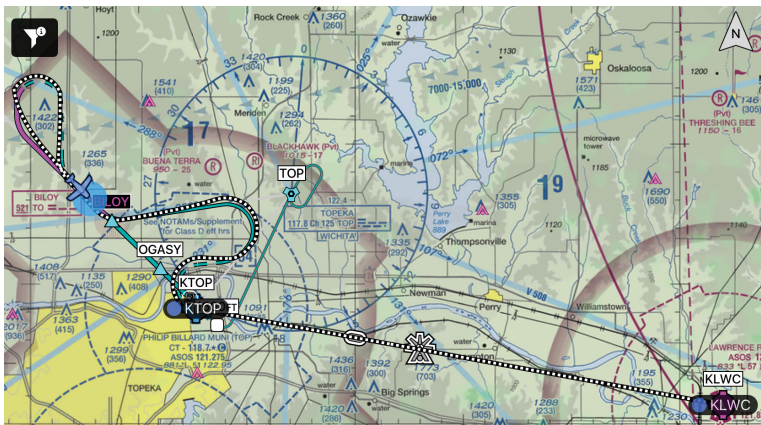


**NOTE:** For the best Live Track Log experience, downloading a terrain database is recommended.

Users are able to view their live track log, or breadcrumb trail, as a checkered line on the map, displaying the current flight. Upon landing, the Live Track Log will display the last recorded track for up to 60 minutes, or until Garmin Pilot is closed and restarted. The Track Log will be attached to the logbook entry and may be viewed via the Logbook Tracks feature.

### Enabling Live Track Log:

- 1) From any screen, tap **Home** > .
- 2) Select **Live Track Log** from **Overlays** tab.



Overlays - Live Track Log



## FILTERS



**NOTE:** The Hide Airspace filters are automatically overridden when you climb above the configured altitude.

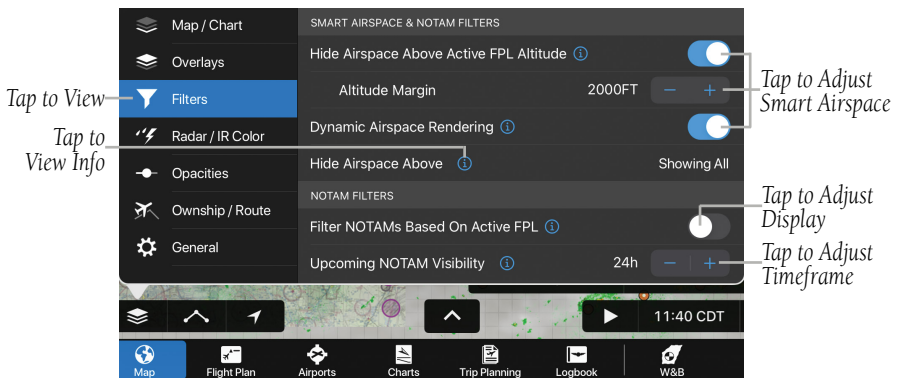
The Filters menu provides quick access to various settings related to Smart Airspace and NOTAMs. The User can adjust settings for: Hide Airspace Above Active Flight Plan Altitude, Dynamic Airspace Rendering, Hide Airspace Above, NOTAMs Based On Active Flight Plan, Upcoming NOTAM Visibility, Show Obstacle NOTAMs, Show Nav Aid NOTAMs, and UAS NOTAMs.

### SMART AIRSPACE

Smart Airspace displays the airspace nearest the aircraft's current altitude and de-emphasizes airspaces at all other altitudes. Smart Airspace can be adjusted in the Filters overlay.

#### Enabling/disabling Smart Airspace:

- 1) Tap > > .
- 2) Tap the Dynamic Airspace Rendering switch to enable/disable.






Map - Overlays - Smart Airspace & NOTAM Filters




## Enabling Hide Airspace Above:






**NOTE:** *Hide Airspace Above is not applied when "Hide Airspace Above Active FPL Altitude" is activated.*

- 1) Tap  >  > .
- 2) Tap the numeric field next to Hide Airspace Above. The field will show a numeric value in feet, depending on prior configuration.
- 3) Tap the backspace button on the numeric keypad to delete the value and enter an updated altitude.

## Enabling Hide Airspaces Above Active FPL Altitude:

- 1) Tap  >  > .
- 2) Tap the Hide Airspace Above Active FPL Altitude switch to enable/disable.
- 3) Tap the "+" or "-" button to adjust the Altitude Margin.




## Disabling Hide Airspaces Above:

- 1) Tap  >  > .
- 2) Tap the numeric field next to Hide Airspace Above. The field will show a numeric value in feet, depending on prior configuration.
- 3) Tap the backspace button on the numeric keypad to delete the value.




## Enabling Filter NOTAMs Based On Active FPL:



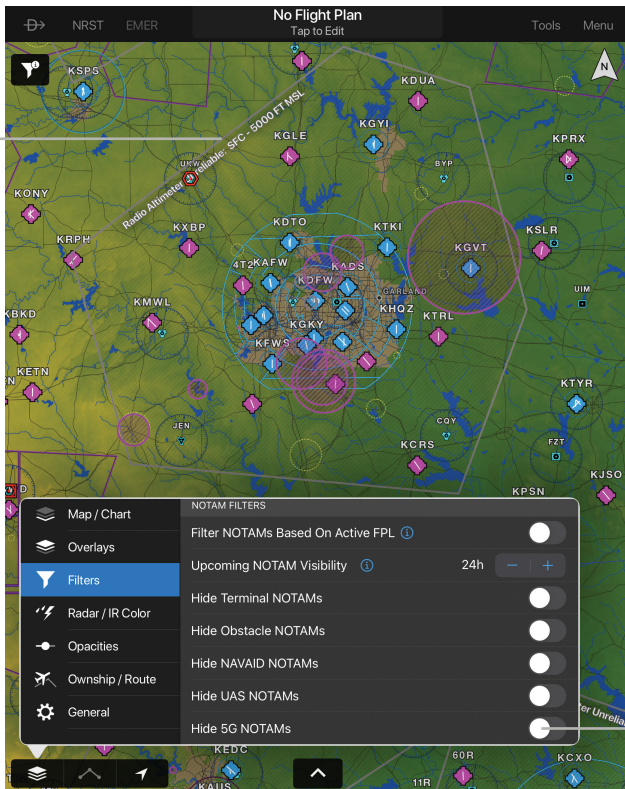
**NOTE:** *Upcoming NOTAM Visibility is not applied when "Filter NOTAMs Based On Active FPL" is activated.*

- 1) Tap  >  > .
- 2) Tap the Filter NOTAMs Based On Active FPL switch to enable/disable.

### Adjusting NOTAM Filters:

- 1) Tap  >  > .
- 2) Tap the "+" or "-" button to adjust the time frame for Upcoming NOTAM Visibility.
- 3) Tap the switch to enable/disable Hide Terminal NOTAMs, Hide Obstacle NOTAMs, Hide NAVAID NOTAMs, Hide UAS NOTAMs, and Hide 5G NOTAMs.

5G NOTAM

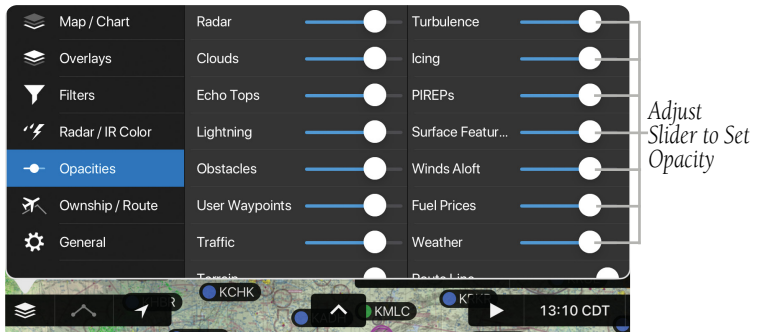


Tap to Toggle  
'On/Off'

Map Page - Filters - NOTAM

## OPACITIES

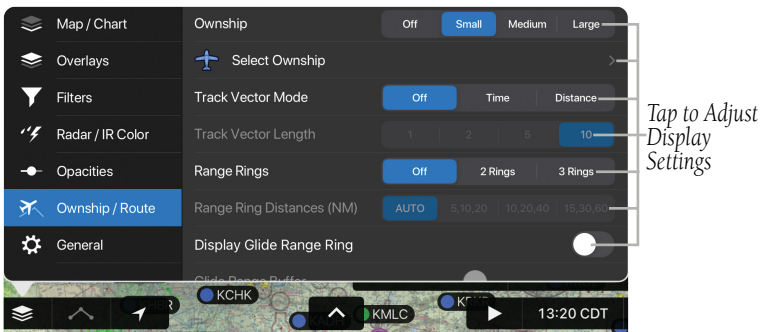
The Opacities menu provides sliders to set the opacity for: Radar, Clouds, Echo Tops, Lightning, Obstacles, User Waypoints, Traffic, Terrain, Turbulence, Icing, PIREPs, Surface Features, Winds Aloft, Fuel Prices, Weather, Route Line, and AIR/SIGMETs.



Overlays - Opacities Menu

## OWNSHIP/ROUTE SETTINGS

The Ownship/Route Settings Menu provides settings and options for Ownship Display, Track Vector, Range Ring, Glide Range Ring, Runway Extended Centerlines Visibility, Route, and WX Station Pins.



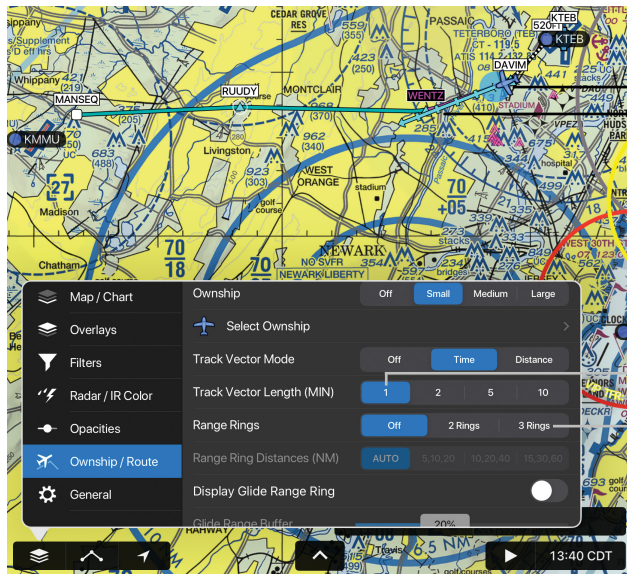
Overlays - Ownship/Route Settings Menu

## TRACK VECTOR

The Track Vector is a solid blue line segment that extends from the Ownship symbol to a predicted location. The track vector can be configured for a look ahead time (1, 2, 5, or 10 minutes) or a look ahead distance (1, 5, 10, or 20 nautical miles). When a look ahead time is selected the length of the vector varies based on ground speed. The track vector is useful in minimizing track angle error and for avoiding traffic, obstacles and terrain.

### Enabling/disabling and Configuring the Track Vector:

- 1) Tap > **Ownship/Route**.
- 2) Select the Track Vector Mode **Off**, **Time** (MIN), or **Distance** (NM).
- 3) Select the desired Track Vector Length.




Aircraft Icon  
Track Vector

Tap to Display  
Tap to Adjust

Ownship/Route - Track Vector - Time

## RANGE RINGS


The Range Rings are centered on the aircraft's present position and can be configured **Off**, **2 Rings**, or **3 Rings**. The specific radii of the Range Rings can be set to **AUTO**, or one of three preset distances. These distances will vary depending on which unit system Garmin Pilot is set to, either Nautical Miles, Statute Miles or Kilometers (this can be changed in **Home** >  > **Units**). When **AUTO** is selected the Range Rings will dynamically change from as little as 200FT to as much as 1200NM based on the current map range.



Ownship/Route - Range Rings - 2 Rings

## GLIDE RANGE RING

This feature is an aid to estimate accessible airports and terrain if the aircraft were forced into glide circumstances. The displayed ring updates in real time, derived from the selected aircraft's altitude, speed, and performance details. Since Garmin Pilot supports multiple aircraft, the Glide Range Ring refers to the current active flight plan to determine which aircraft performance details to calculate the ring shape.

The Glide Range Ring requires glide performance details to be specified in Garmin Pilot's settings. This is accessed through **Home** >  > **Aircraft**. Tap on an aircraft (not aircraft type) to edit its details, and scroll down to the Glide section to specify the **Glide Ratio** and **Best Glide Speed**. Refer to the aircraft documentation for these values. The **Glide Range Buffer** setting can be used to shrink the Glide Range Ring in situations where glide performance is expected to be less than ideal, perhaps due to shifting winds. Increasing this setting will decrease the size of the Glide Range Ring. Enabling **Shape Glide Ring for Terrain** will alter the shape of the Glide Range Ring to show intersection with terrain. Enabling **Shift Glide Ring for Wind** will factor in local wind conditions when calculating the Glide Range Ring shape. Note the Glide Range Ring uses the most recent weather data, which may be outdated if Garmin Pilot does not have access to real time weather data over Wi-Fi or with outboard hardware such as a GDL 39.

### Enabling/disabling the Glide Range Ring:

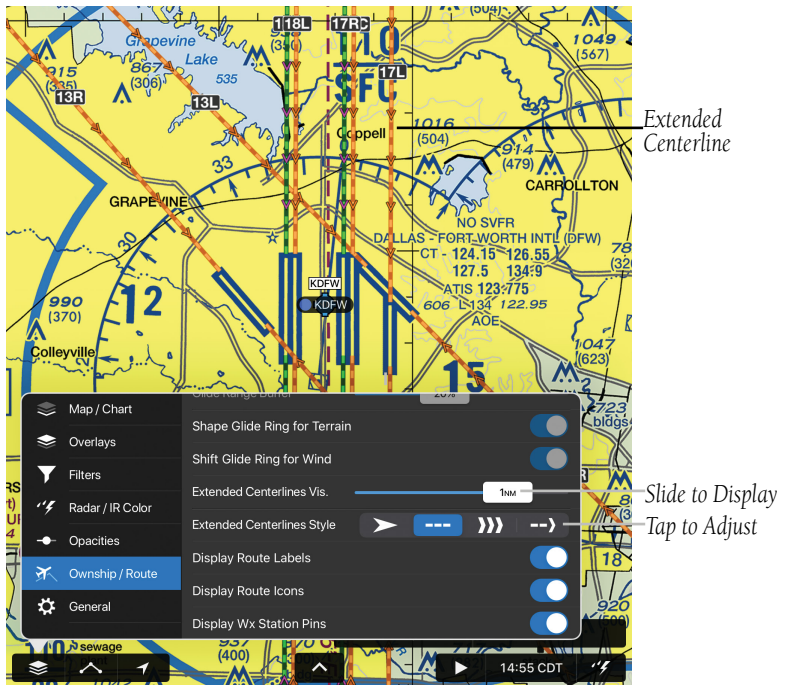
- 1) Tap > **Ownship/Route**.
- 2) Tap the **Display Glide Range Ring** switch to enable/disable.





## EXTENDED CENTERLINES

Extended Centerlines provide a graphical extension of the centerline for each runway for all airports that are part of the Active FPL. Extended Centerlines can be very helpful when approaching an unfamiliar airport. The Extended Centerlines Visibility slider sets the Map Scale (OFF-5NM) at which the extended centerlines will become visible on the map. Extended Centerlines can be configured in multiple ways and include runway identifiers as well.



Ownship/Route - Extended Centerlines

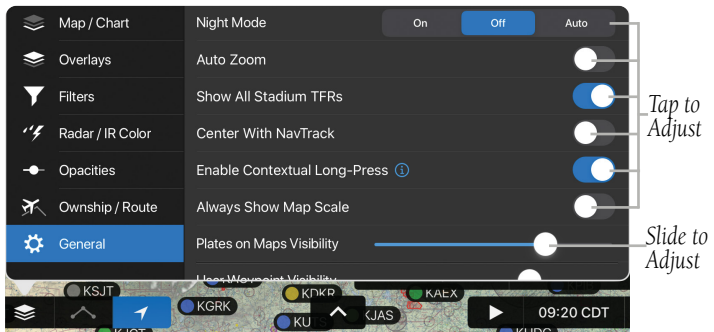
## GENERAL MAP SETTINGS

The General Map Settings Menu provides options for:

• Night Mode	• User Waypoint Visibility
• Auto Zoom	• Obstacle Visibility
• Show All Stadium TFRs	• Always Show Nearby Obstacles
• Center With NavTrack	• Auto-Select Layers Based on Connected Device(s)
• Enable Contextual Long-Press	• Auto-Select Layer Time/Altitude From Active FPL
• Always Show Map Scale	• Restore Default Map Settings
• Plates on Maps Visibility	

### Choosing General Map Settings:

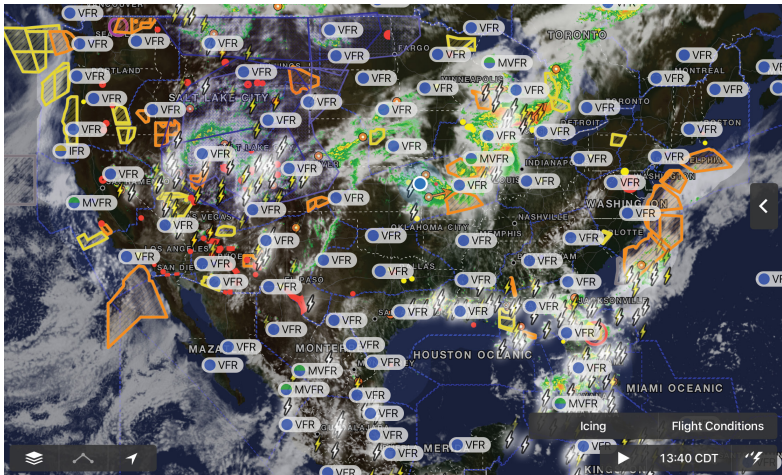
- 1) Tap > **General**.
  - 2) Use the **On/Off** or **Range** sliders to select the desired options.
- Or:** Tap **Restore Default Map Settings** to restore the default settings.



Overlays - General Settings

## NIGHT MODE

Night Mode provides a high contrast Map for easy viewing in low light. This feature can be set to **On**, **Off** or **Auto**. Auto will display the map contrast according to the sunrise/sunset time as determined by the tablet's GPS position. Night Mode is not available for Charts.



VFR Map (Night Mode)
















## AUTO ZOOM

Auto Zoom begins at the departure airport by showing SafeTaxi (subscription and download required) or the smallest range that clearly shows the departure point, and gradually zooms out to the smallest range clearly showing the active waypoint. When arriving at the destination Auto Zoom gradually zooms in to show SafeTaxi (subscription and download required) or the smallest range that clearly shows the destination. Auto Zoom only works when the map is centered on the aircraft and can be enabled/disabled in the General Map Settings Menu.



## SETTINGS

From the **Home** Button, tap  to display the Settings Menu. The Settings Menu includes:

 General	 Units	 Jeppesen
 Pilot Info	 Downloads	 Documents
 Aircraft	 Subscriptions	 Data Services
 User Content	 Logbook	 Flight Simulation
 Alerts	 FltPlan.com	 EIS

Settings Menu Options & Icons



## GENERAL SETTINGS

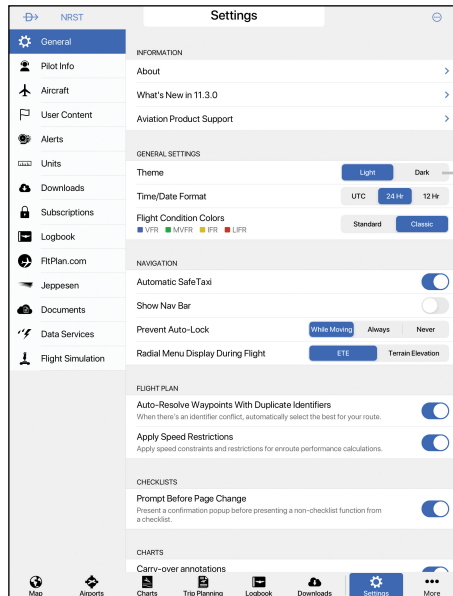
The **General** Tab on the **Settings** Page provides access to:

<ul style="list-style-type: none"> <li>• About &amp; What's New</li> </ul>	<ul style="list-style-type: none"> <li>• Aviation Product Support</li> </ul>	<ul style="list-style-type: none"> <li>• Theme</li> </ul>
<ul style="list-style-type: none"> <li>• Time/Date Format</li> </ul>	<ul style="list-style-type: none"> <li>• Flight Condition Colors</li> </ul>	<ul style="list-style-type: none"> <li>• Automatic Safe Taxi</li> </ul>
<ul style="list-style-type: none"> <li>• Show Nav Bar</li> </ul>	<ul style="list-style-type: none"> <li>• Prevent Auto-Lock</li> </ul>	<ul style="list-style-type: none"> <li>• Radial Menu Display During Flight</li> </ul>
<ul style="list-style-type: none"> <li>• Auto-Resolve Waypoints With Duplicate IDs</li> </ul>	<ul style="list-style-type: none"> <li>• Apply Speed Restrictions</li> </ul>	<ul style="list-style-type: none"> <li>• Prompt Before Page Change</li> </ul>
<ul style="list-style-type: none"> <li>• Carry-over Annotations</li> </ul>	<ul style="list-style-type: none"> <li>• Runway Surface Type</li> </ul>	<ul style="list-style-type: none"> <li>• Minimum Runway Length</li> </ul>
<ul style="list-style-type: none"> <li>• Decode NOTAM Text</li> </ul>	<ul style="list-style-type: none"> <li>• Select Ownship</li> </ul>	<ul style="list-style-type: none"> <li>• Show Helicopter Obstacles</li> </ul>
<ul style="list-style-type: none"> <li>• Roll Indication</li> </ul>	<ul style="list-style-type: none"> <li>• Hide EMER When Not Flying</li> </ul>	<ul style="list-style-type: none"> <li>• Reset All Usage Tips</li> </ul>
<ul style="list-style-type: none"> <li>• Interface Style</li> </ul>	<ul style="list-style-type: none"> <li>• Device Backup Management</li> </ul>	<ul style="list-style-type: none"> <li>• Privacy Policy</li> </ul>

### General Settings

From the **General** Tab, tap **About** to display the current version of the Garmin Pilot application, copyright information, attribution, and contact information. Tap **Aviation Product Support** to display contact information for product support.

Tap **What's New in...** to review information about new functions or features that have been added to the latest update. Select the desired Theme, **Light** or **Dark**.



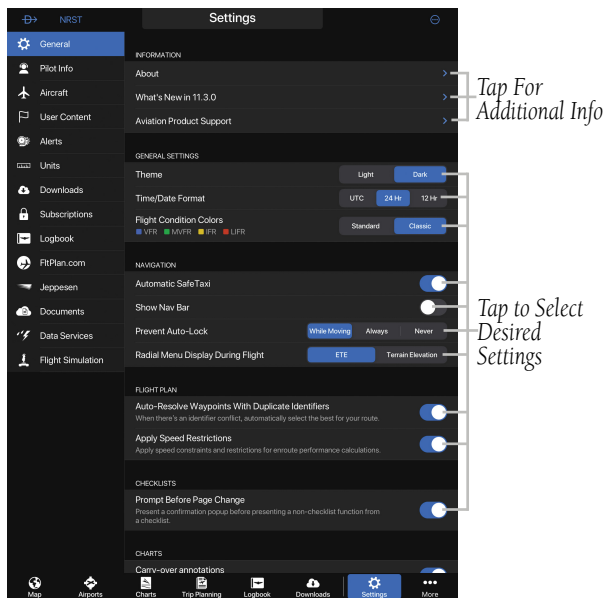
*Tap to Select Desired Theme*

**Garmin Pilot - General Settings - Light Theme**

Select the desired time format by tapping **UTC**, **24 Hr**, or **12 Hr**. The Flight Condition Colors setting allows the flight condition colored icons to be displayed in **Standard** or **Classic** color schemes.

## NAVIGATION SETTINGS

The **Automatic SafeTaxi** feature directs Garmin Pilot to automatically display a SafeTaxi map during takeoff and approach for the airport it detects. This will automatically show taxiways, runways, intersections and hot spots without requiring additional attention from the pilot. Switch the on/off slider to Off to disable Automatic SafeTaxi.



Garmin Pilot - General Settings - Dark Theme

The **Show Navigation Info** feature located on the top of the Map pane, can be configured to display:

• Accuracy (Horizontal)	• ETA (Dest)	• Roll (Optional)
• Accuracy (Vertical)	• ETA (Next)	• Time (UTC)
• Altitude	• ETE (Dest)	• Track
• Altitude AGL (GPS)	• ETE (Next)	• Vertical Speed
• Bearing	• Ground Speed	• WX-Station
• Biometric Data	• Latitude	• WX-Altimeter
• Cross Track Error	• Longitude	• WX-Ceiling
• Distance (Dest)	• Next Waypoint	• WX-Visibility
• Distance (Next)	• Pitch (Optional)	• WX-Wind

### Navigation Info Display Options

The **Show Navigation Info** features can be toggled On/Off by tapping on the desired field.

When **Prevent Auto-Lock** is set to **Never**, the device will sleep based on the device settings. When **While Moving** is selected, the device will not sleep anytime the device senses recent changes in GPS position. When **Always** is selected, the screen will remain on at all times.

The **Radial Menu Display During Flight** allows the user to adjust what extra dataset is displayed within the center of the Radial Menu. Tap **ETE** (Estimated Time Enroute) or **Terrain Elevation**, as desired.

## FLIGHT PLAN SETTINGS

When there is a conflict between duplicate identifiers, the **Auto-Resolve Waypoints With Duplicate Identifiers** will automatically select the most logical waypoint for the route.



### CHECKLISTS SETTINGS

When the **Prompt Before Page Change** feature is selected, a confirmation pop-up will be displayed before presenting a non-checklist function from a checklist.

### CHARTS

When the **Carry-over Annotations** feature is selected, chart annotations will be carried over during cycle updates.

### RUNWAY PREFERENCES

These settings will guide Garmin Pilot in making useful suggestions when using the NRST feature for airports. When **Runway Surface Type** is set to Hard, Soft, or Water, only airports with specified runway types will be suggested. The default setting is Any. The **Minimum Runway Length** will filter out airports with runways shorter than the specified value. The default setting is "0" (zero).

### NOTAMS SETTINGS

When possible, the **Decode NOTAM Text** feature will decode the raw NOTAM text into plain English, throughout the Garmin Pilot program. This feature has been enabled by default in version 10.7 and higher, and may be disabled at anytime.


### OWNSHIP AIRCRAFT SYMBOL SETTINGS

The Ownship Aircraft Symbol is displayed on maps, Geo-referenced FliteCharts, SafeTaxi diagrams when the application senses movement, Synthetic Vision, Traffic page, and Terrain page. Otherwise the blue System Location Symbol is used.


## Displaying Ownship Position:

- 1) From any page, tap **Home** > .
- 2) Tap the **General** Tab.
- 3) Tap **Ownship** options **Off**, **Small**, **Medium**, or **Large**.

**Or:**

Tap  > **Ownship/Route** > **Off**, **Small**, **Medium**, or **Large**.

## Changing Ownship Symbol:

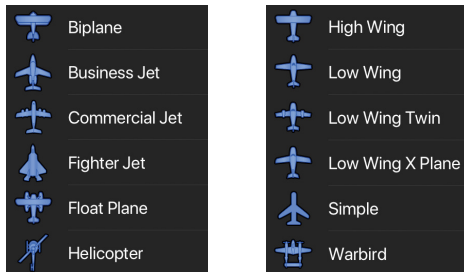
- 1) From any page, tap **Home** > .
- 2) Tap the **General** Tab.
- 3) Tap **Select Ownship**.
- 4) Tap the desired Ownship aircraft symbol from the list.
- 5) Tap **General** to return to the General settings page.

**Or:**

Tap  > **Ownship/Route** > **Select Ownship**.



System Location Symbol



Ownship Aircraft Symbols

### OBSTACLES SETTINGS

Tap **Show Helicopter Obstacles** to display obstacles shorter than 200 ft AGL.

### SYNTHETIC VISION SETTINGS

Tap **Sky Pointer** or **Ground Pointer** to change the Synthetic Vision Roll Indication setting.

### EMERGENCY SETTINGS

Tap **Hide EMER When Not Flying** to hide the **EMER** button when not in flight.

### USAGE TIPS

Tap **Reset** next to Reset All Usage Tips to show any overlays that highlight new features when first visited.

### APPEARANCE SETTINGS

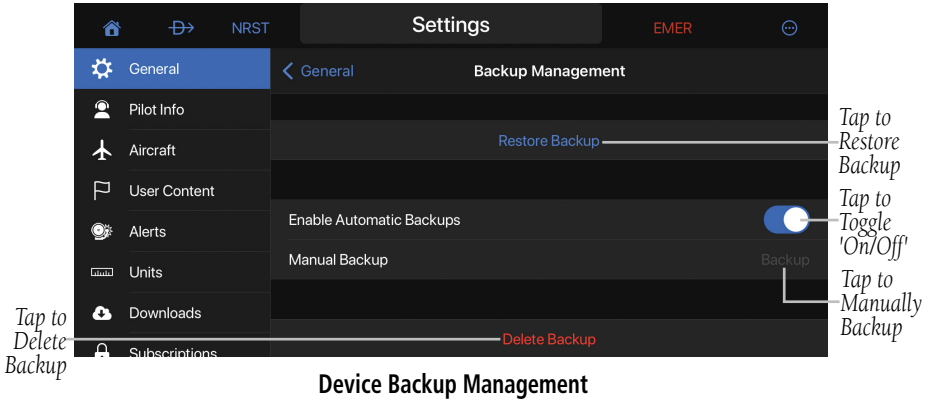
There are two Interface Styles available. Tap **Tab Bar** to display Menu items along the bottom of the screen. Tap **Home Menu** to display the Home button in the top left corner of the screen.

### BACKUPS

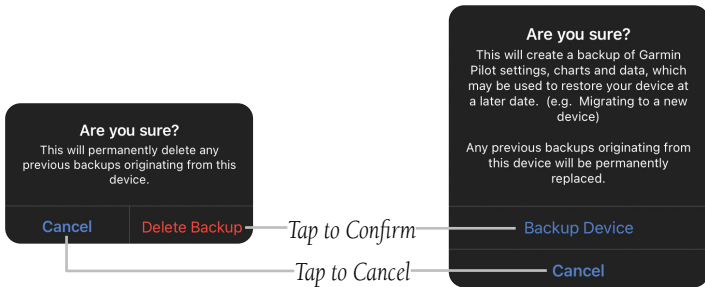
Garmin Pilot will automatically backup and save user preferences, including downloads and settings, in the cloud. When upgrading to a new device or reinstalling the application, Garmin Pilot will give users the option to restore a previous backup.

Tap **Device Backup Management** > **Enable Automatic Backups** to enable/disable automatic backups of app information and settings. Automatic backup of data is enabled by default but may be toggled off if desired.

Deselecting Enable Automatic Backups allows the user to then select **Manual Backup**, to force backup of app data manually. Data backed up can also be deleted here by selecting **Delete Backup**, or restored by selecting **Restore Backup**.




Device Backup Management



Device Backup Management - Delete Backup & Manual Backup Confirmation

## PILOT AND AIRCRAFT INFO

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 **NOTE:** When you supply a Pilot Profile, this information is transferred to flyGarmin Services. When you file a Flight Plan, or retrieve a Weather Briefing or Routing Information, the name, address, and phone number from your Pilot Profile is transferred to your selected filing provider.

---

Enter pilot information by tapping  next to **Add Pilot Profile...** The Pilot Profile information combines direct user input and data imported via FltPlan.com. Enter aircraft information by tapping  next to **Add Aircraft...** Enter Logbook Aircraft Types by tapping  next to **Add Logbook Aircraft Type....**

### Entering Pilot Information:

---

 **NOTE:** In order to file through FltPlan.com, the pilot must be added on the FltPlan.com website. Once added on the web, the pilot can be imported into Garmin Pilot for use in the app.

---

- 1) From any page, tap **Home** > .
- 2) Tap the **Pilot Info** Tab.
- 3) Tap  **Add Pilot Profile...**
- 4) Enter the Required Contact Information by tapping each field and using the keyboard.
- 5) Enter the Personal Minimums for **VFR**, **IFR**, or **Winds** by tapping each field and using the keyboard.
- 6) Tap **Save**.



## Entering Aircraft Information:

---



**NOTE:** In order to file through *FltPlan.com*, the aircraft must be added on the *FltPlan.com* website. Once added on the web, the aircraft can be imported into Garmin Pilot for use in the app.


---

- 1) From any page, tap **Home** > .
- 2) Tap the **Aircraft** Tab.
- 3) Tap  **Add Aircraft...**
- 4) Tap **New Aircraft Model** to manually enter the aircraft model information from the aircraft's Pilot Operating Handbook (POH).



### Or:

- 5) Tap **Aircraft Manufacturers** and select an aircraft model from Garmin's aircraft library.
- 6) Enter the Required Aircraft Information by tapping each field and using the keyboard.
- 7) Enter optional performance data.
- 8) Tap **Save**.

## Entering Aircraft Type Information:

- 1) From any page, tap **Home** > .
- 2) Tap the **Aircraft** Tab.
- 3) Enter the Required Aircraft Type Information by tapping each field and using the keyboard.
- 4) Tap **Save**.

### Entering Logbook Aircraft Types Information:

- 1) From any page, tap **Home** > .
- 2) Tap the **Aircraft** Tab.
- 3) Tap  **Add Logbook Aircraft Type...**
- 4) Enter the Required Aircraft Type Information by tapping each field and using the keyboard.
- 5) Tap **Save**.

Aircraft Information stored on other devices will automatically be synchronized through a Garmin Pilot account.



## PERSONAL MINIMUMS

Each pilot that's registered on a Garmin Pilot account can specify personalized parameters for VFR, IFR and Winds minimums. These settings are considered by the Garmin Pilot app when planning trips, and will be available on any device that Garmin Pilot account is logged into.

<b>VFR</b>	Day Ceiling	Day Visibility	Night Ceiling	Night Visibility
<b>IFR</b>	Day Approach Ceiling	Day Approach Visibility	Night Approach Ceiling	Night Approach Visibility
	Day Departure Ceiling	Day Departure Visibility	Night Departure Ceiling	Night Departure Visibility
<b>Winds</b>	Max Wind Speed Arrival	Max Wind Gust Arrival	Max Crosswind Arrival	
	Max Wind Speed Departure	Max Wind Gust Departure	Max Crosswind Departure	

Personal Minimums Parameters

### Configuring Personal Minimums:

- 1) From any page, tap **Home** > .
- 2) Tap the **Pilot Info** Tab >  **Add Pilot Profile...**  
**Or:** Tap a current Pilot in the list to edit.
- 3) Tap **VFR**, **IFR**, or **Winds**.
- 4) Enter the preferred ceiling minimums in feet.
- 5) Enter the preferred visibility minimums in statute miles.
- 6) Enter the preferred maximum wind speeds in knots.
- 7) Tap **Save**.

*Tap to Edit or Clear Personal Minimums*

CONTACT INFORMATION		Cancel	Setup New Aircraft	Save
Name	AIRCRAFT			
Phone	Identifier		N704AV	
Address	Filing Type		C206	
PILOT LICENSE INFORMATION				
Certificate Number	Category		Airplane	
	Color		W / R	
	Base Airport		KSUS	
PERSONAL MINIMUMS				
VFR	Propulsion Type		Constant Speed	
IFR	Gear Type		Wheels	
Winds	Maximum Takeoff Weight		3,800.LB	
	Maximum Brake Horsepower		310HP	
FUEL				
Fuel Units			<input type="radio"/> Gallons <input type="radio"/> Pounds	
Default Fuel			118GAL	
Usable Fuel Amount - Full			118GAL	

### Pilot and Aircraft Information Entry



## ATC PROPOSED ROUTE NOTIFICATIONS

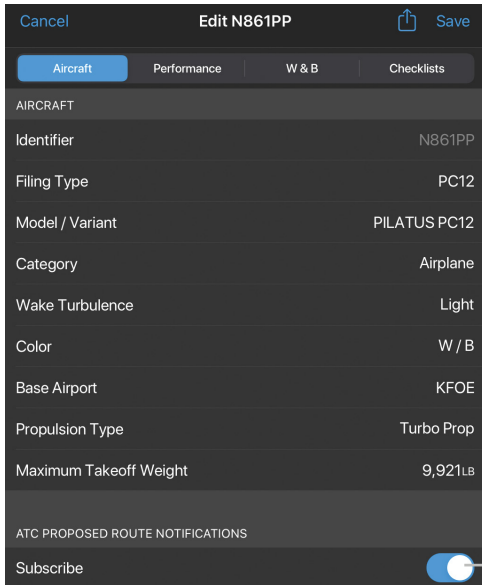
ATC Proposed Route Notifications are Apple Push notifications that include a proposed route for departures and destinations for filed flight plans. Notifications come in the Notification Center if Garmin Pilot is not currently active, or as Pop-ups within Garmin Pilot. To accept the proposed route and make it the Active Flight Plan, tap **Activate Only**. Tap **Brief Only**, to open the File & Brief Page. Tap **Activate & Brief** to make it the Active Flight Plan and go to the File & Brief Tab on the Trip Planning Page. To dismiss the notification, tap **Ignore**.

### Subscribing to ATC Proposed Route Notifications:

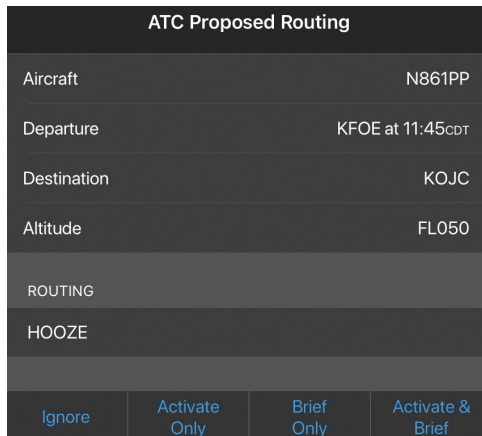
- 1) From any page, tap **Home** > .
- 2) Tap the **Aircraft** Tab.
- 3) Tap  **Add Aircraft...**
- 4) Tap **New Aircraft Model** to manually enter the aircraft model information from the aircraft's Pilot Operating Handbook (POH).

### Or:

- 5) Tap **Aircraft Manufacturers** and select an aircraft model from Garmin's aircraft library.
- 6) Tap the **Subscribe** slider under 'ATC Proposed Route Notifications'.
- 7) Tap **Save Aircraft**.



**Aircraft Settings - ATC Route Notifications**



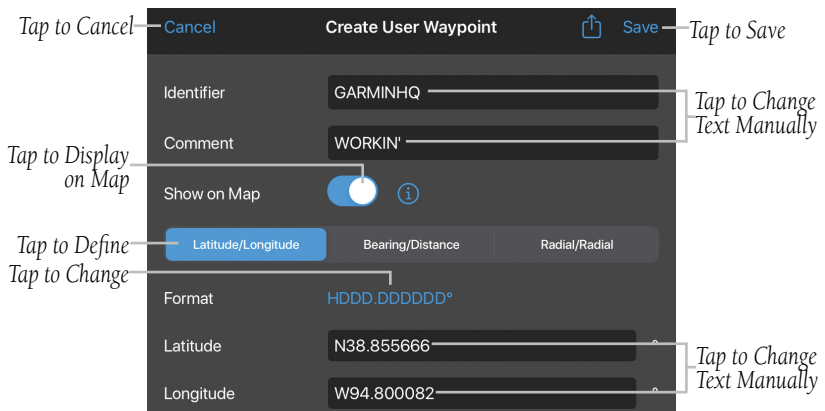
**ATC Proposed Routing Window**

## USER CONTENT

The User Content Tab provides a quick and easy way to create and view user waypoints. The User Waypoint Layer can also be turned on or off using the On/Off slider. User Content can also be shared with any Garmin Pilot compatible Watch (D2, D2 Air/MARQ Aviator, etc.).



### Creating a User Waypoint from User Content Tab:

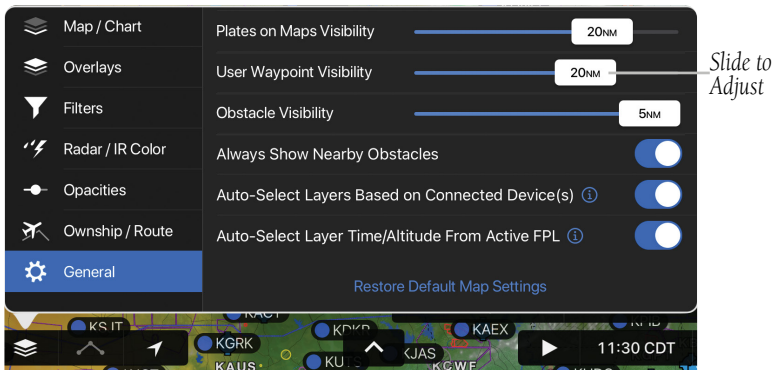
- 1) Tap the **User Content** Tab to display the list of user waypoints.
- 2) Tap to display the **Create User Waypoint** dialog box.
- 3) Tap within in the Name field to change the name or accept the default naming convention of 'UserWaypointXX'.
- 4) Tap the **Show on Map On/Off** slider to select display option.
- 5) Define the waypoint location by Lat/Lon, Rad/Dist, or Rad/Rad.
- 6) Tap **Save** to save the waypoint or **Cancel** to exit.



Create User Waypoint Dialog


## Displaying a User Waypoint:

- 1) From any page, tap **Home** >  >  > **General** Tab to display a list of options.
- 2) Move the **User Waypoint Visibility** slider to adjust when the waypoint becomes visible.
- 3) If needed, tap **Restore Default Map Settings** to align display with preloaded settings.



Displaying User Waypoints


## Sharing User Waypoints with a Garmin Pilot Compatible Watch:

- 1) From any page, tap **Home** >  > **User Content** Tab to display the list of user waypoints.
- 2) Ensure the Watch is in 'Share Mode' tap, **Menu** > **Send to 'Watch'**, for each waypoint. Waypoints that have been shared with the Watch will display a cyan check mark.
- 3) Tap **Done** to finish and exit sharing mode.


## IMPORTING USER WAYPOINTS

Importing user waypoints can be accomplished by using a .CSV file spreadsheet format or KML shape file.

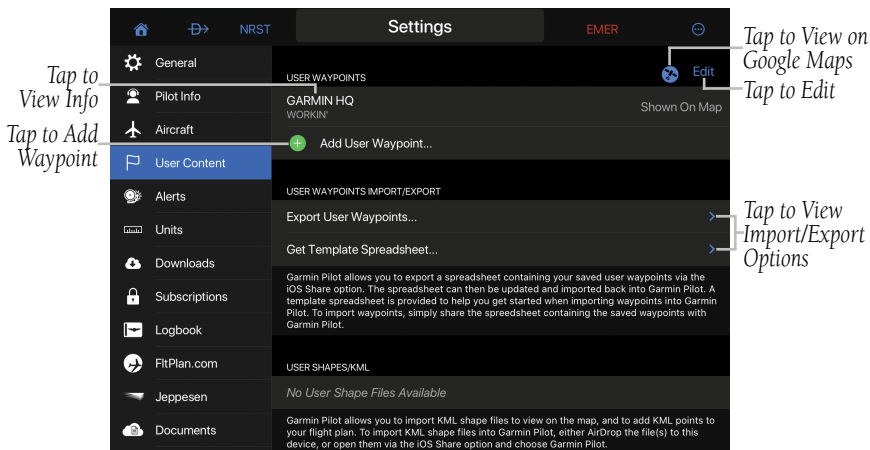
### Importing user waypoints:

- 1) From any page, tap **Home** >  > **User Content**.
- 2) Tap **Get Template Spreadsheet**.
- 3) Update the template with the user waypoints using the indicated format.
- 4) Open the revised spreadsheet from an email attachment on either iPhone or iPad or AirDrop the file from a device or Mac.

Or:

- 1) From any page, tap **Home** >  > **User Content**.
- 2) Tap the uploaded user shape file.

Garmin Pilot will automatically import the new user waypoints data.




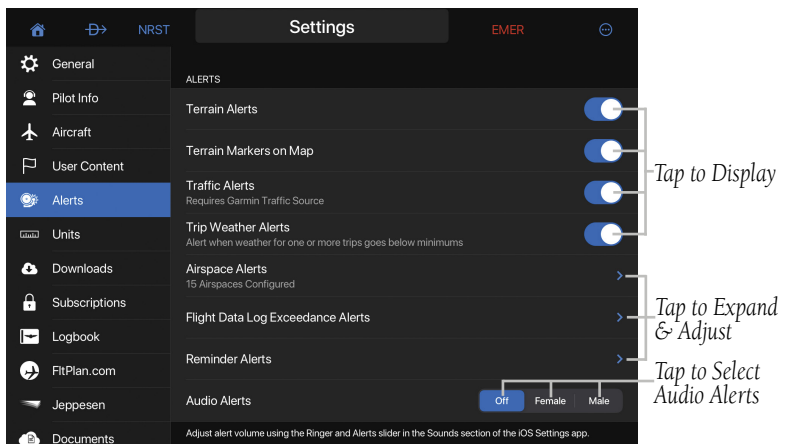
Settings - User Content

# ALERTS

The Alerts section allows for configuration of voice alerts for traffic and terrain. Pop-up, textual alerts are available for trip weather, airspace, flight data log exceedance, and reminders.

## Setting and Testing Alert volume:

- 1) Open the iPad Settings Menu.
- 2) Under the Settings column on the left, tap **Sounds**.
- 3) Use the Ringer and Alerts sliders or if configured use the volume rocker on the side of the device to set the desired volume.
- 4) To test alert volume, launch Garmin Pilot and Tap **Home** >  > **Alerts**.
- 5) Toggle **Female/Male** to hear "Traffic", "Terrain", or "Caution" in a male or female voice. Adjust volume as desired.



Settings - Alerts

# UNITS

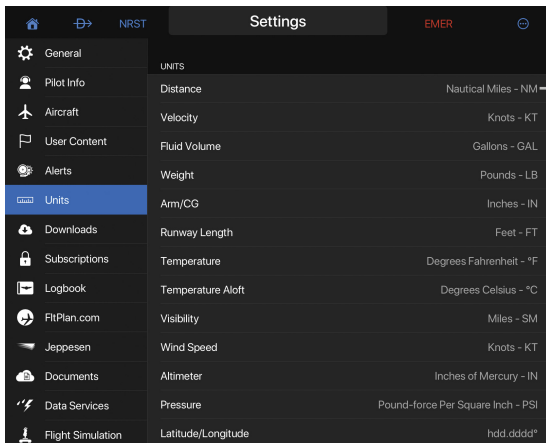
The Units Tab can set the displayed units of measure for the following metrics:

• Distance	• Runway Length	• Altimeter
• Velocity	• Temperature	• Pressure
• Fluid Volume	• Temperature Aloft	• Latitude/Longitude
• Weight	• Visibility	
• Arm/CG	• Wind Speed	

### Units Tab Display Options

### Changing the units of measure:

- 1) From any page, tap **Home** > > **Units** Tab.
- 2) Tap the desired unit, then select the desired unit of measure from the list of available options.



### Settings - Units

### Restoring the default units of measure:

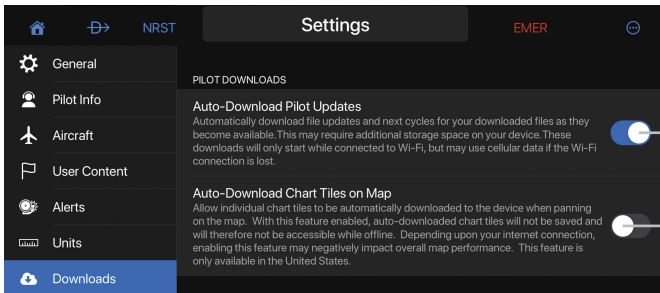
From any page, tap **Home** >  > **Units** > **Restore Defaults**.

## DOWNLOADS

The **Auto-Download Pilot Updates** feature, automatically downloads file updates and the next cycles for your downloaded files as they become available.

### Configuring the Auto-Download Pilot Updates:

- 1) From any page, tap **Home** >  > **Downloads** Tab.
- 2) Tap **Auto-Download Pilot Updates** On/Off slider to automatically download file updates.




Settings - Downloads





## SUBSCRIPTIONS


To manage your Garmin Pilot subscriptions, please tap **Home** >  > **Subscriptions**. Alternatively, this information is also on [flygarmin.com](https://flygarmin.com). Please make sure to sign in with the same account information that you are using on your device. Many users will add a **US Premium Subscription** to their Garmin Pilot account, which, in addition to the standard features, adds:

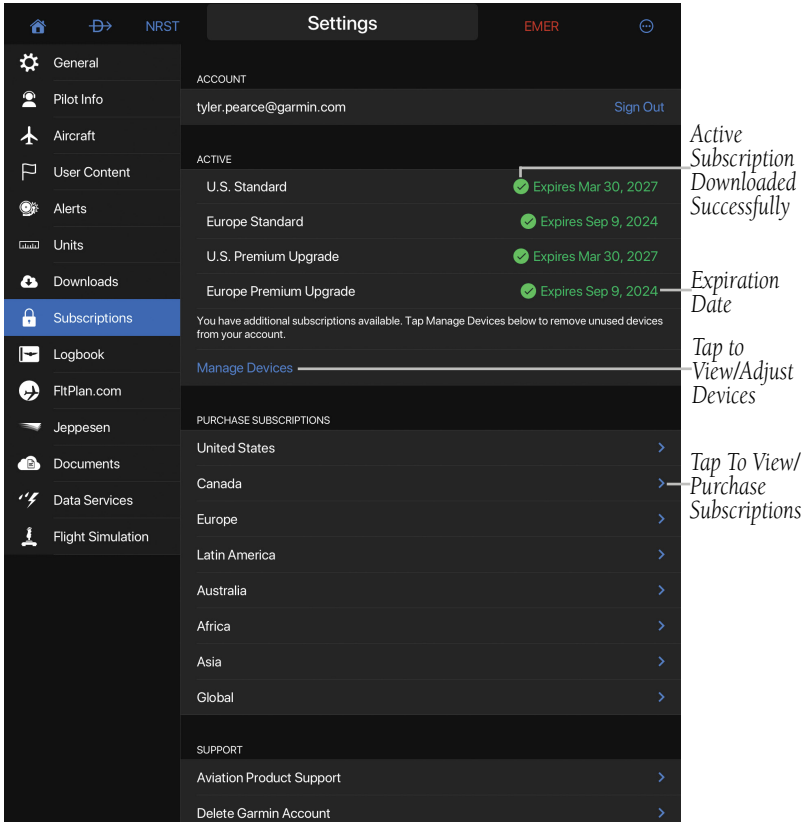
- Geo-referenced FliteCharts
- Ability to view Jeppesen Charts (separate Jeppesen subscription is needed)
- Chart overlays on the Map Page
- Icing Forecasts
- Terrain Alerts
- Obstacle Alerts
- Synthetic Vision
- Safetaxi Airport Diagrams
- Database Concierge

### Purchasing or renewing a subscription or add-on:


- 1) Visit [flygarmin.com](https://flygarmin.com)
- 2) Click on the **GARMIN PILOT** tab in the upper portion of the screen to view, assign, or purchase new Garmin Pilot subscriptions.
- 3) Enter the e-mail address and password for your Garmin Account to purchase the desired subscription(s) or add-on(s).

## Refreshing the Subscriptions Tab on the Settings Page:

- 1) From any page, tap **Home** >  > **Subscriptions** Tab.
- 2) Tap and drag down the right side of the page.



### Refreshing Subscriptions

In addition to the FliteCharts published by Garmin, Garmin Pilot can also be configured to use a Jeppesen subscription for Jeppesen charts and procedures. To sign into a Jeppesen account, or start a Jeppesen digital subscription, from any page tap **Home** >  > **Jeppesen**.

**Settings - Jeppesen**

- General
- Pilot Info
- Aircraft
- User Content
- Alerts
- Units
- Downloads
- Subscriptions
- Logbook
- FitPlan.com
- Jeppesen**
- Documents
- Data Services
- Flight Simulation

**JEPPESEN**  
A BOEING COMPANY

JEPPESEN ACCOUNT ⓘ  
garmin@jeppesen.com [Sign out & Deactivate](#)  
[Update Sign In Information](#) [Update](#)

ACTIVE LICENSE  
VNX2-EIQX-GCBN-A9RF (Site Key: FERF-KDQQ) [Deactivate](#)  
Tail Number: N/A

JV-VFR E REV SVC - EASTERN EUROPE, JV-VFR E REV SVC - EUROPE, REV SVC - JEPPIVIEW WORLD WIDE, Electronic Chart Services Worldwide, JV VFR Single Access Coverage, Electronic Chart Services - Eastern Europe, JV VFR Single Access Coverage, Electronic Chart Services - Europe, JV VFR Single Access Coverage

DOWNLOADS

Download Charts and Airway Manuals [Go to Downloads](#)

Automatically Download Updates

CHARTS

Display FliteCharts and Jepp Charts

AIRWAY MANUALS (11)

- Jeppesen VFR Airway Manual - German
- Jeppesen Airway Manual - Eastern Europe
- Jeppesen Airway Manual - Middle East
- Jeppesen Airway Manual - Africa
- Jeppesen VFR Airway Manual - English
- Jeppesen VFR Airway Manual - French

Once signed in, Garmin Pilot will ask to select a single license on the Jeppesen subscription to activate. Only one license can be active at a time, and different content may be available to different licenses on the same account. After activating, Garmin Pilot will begin downloading the appropriate content. Current downloads can be viewed by going to **Home** >



## DATA SERVICES

---

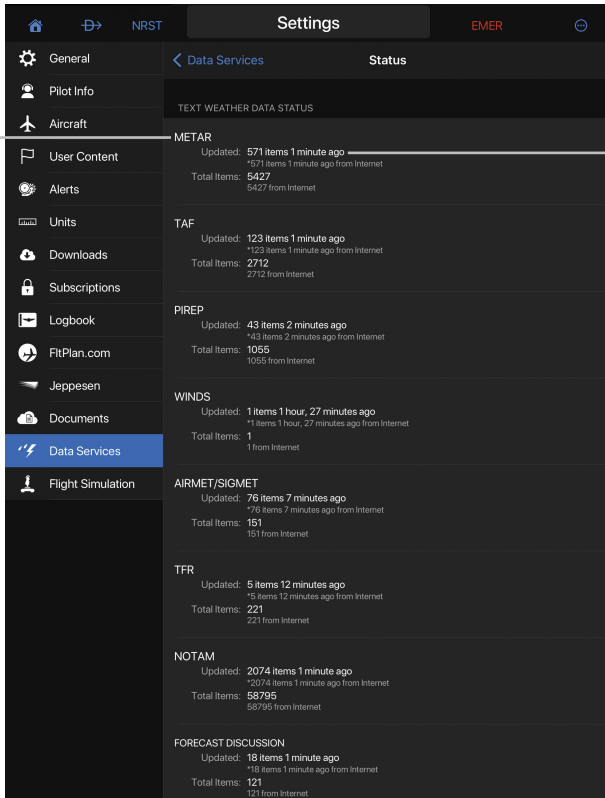
The Data Services Tab provides information about the current source of weather data and pilot advisories such as TFRs, and NOTAMS, along with the age of said data items cached on the device.

Weather data is available from various sources, Internet, FIS-B weather via a GDL 39, GDL 51/52, GTX 345, SiriusXM Weather via a Baron Mobile Link™, Flight Stream 210, or Flight Stream 510. Garmin Weather Data Services requires a data connection through Wi-Fi or cellular network. Baron Mobile Link™ weather, and FIS-B weather, require additional hardware. Baron Mobile Link, GDL 51/52, Flight Stream 210, and Flight Stream 510 also require a subscription to SiriusXM Weather.

The age and status of weather data for FIS-B-sourced weather is viewable by tapping **Home** >  > **Data Services** > **Local Weather Data Status**.

*Weather Product Type*

*Number of Items, Update Time & Source*



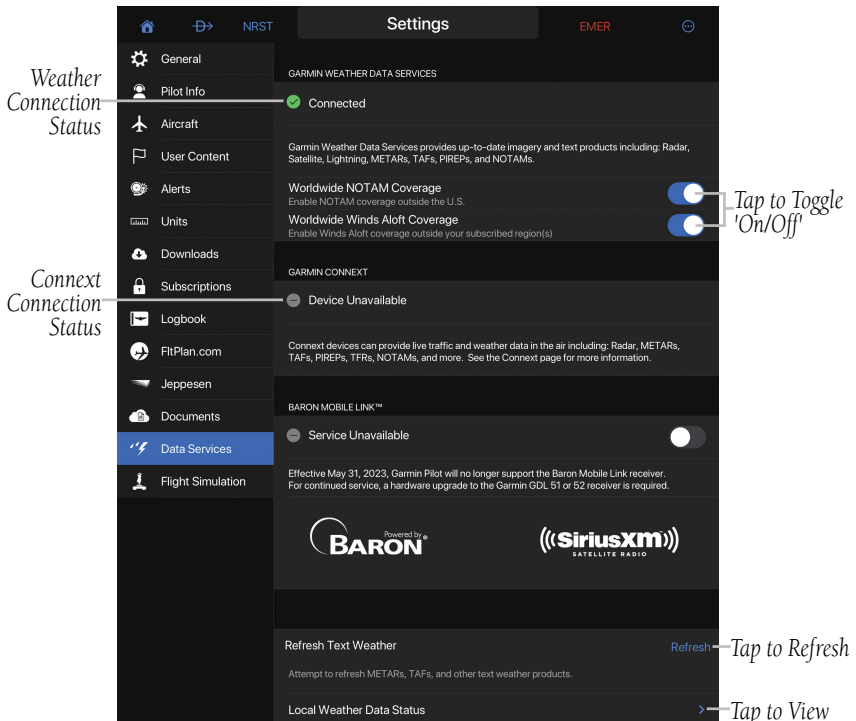
Settings - Data Services - Local Weather Data Status

## WORLDWIDE NOTAM COVERAGE

Tap the **Worldwide NOTAM Coverage** switch under the **Data Services** Tab to enable NOTAM coverage outside the United States.

## WORLDWIDE WINDS ALOFT COVERAGE

Tap the **Worldwide Winds Aloft Coverage** switch under the **Data Services** Tab to enable winds aloft coverage outside the subscribed region(s). The winds aloft forecast data is based on the Global Forecast System (GFS) weather model, to provide detailed coverage for the selected area.



Settings - Data Services



## FLIGHT SIMULATION INTEGRATION

Garmin Pilot can connect to your flight simulator software (e.g. X-Plane, Microsoft Flight Simulator 2020, etc.) through a Wi-Fi connection.




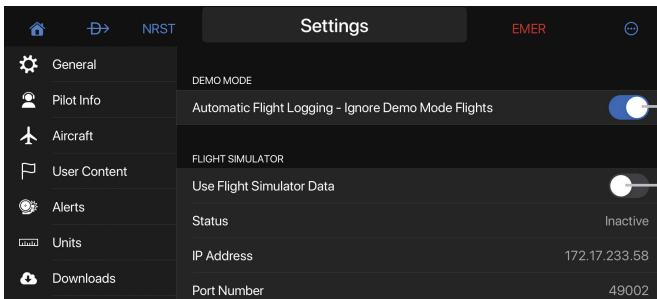
**NOTE:** *Garmin Pilot requires X-Plane version 10.30 or higher.*



**NOTE:** *The iPad with the Garmin Pilot app, and the computer with the X-Plane software should be connected to the same Wi-Fi access point.*

### Connecting Garmin Pilot to Flight Simulator:

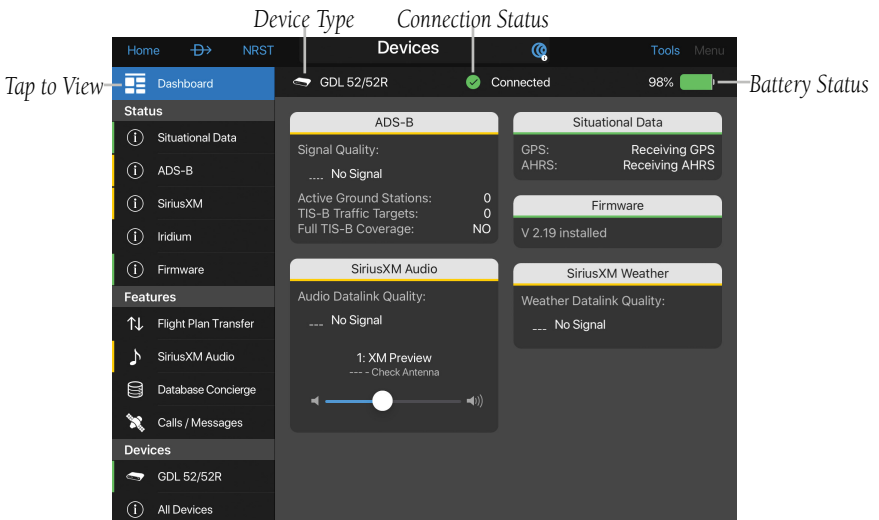
- 1) From Garmin Pilot, tap **Home** >  > **Flight Simulation**.
- 2) Note the IP Address and Port Number shown on the screen.
- 3) From the flight simulator software, select **Settings** > **Net Connections** > **iPhone/iPad**.
- 4) Select the check box labeled "**Send AHRS data to [app] on ONE iPad or iPhone.**"
- 5) Enter the IP Address and Port Number as shown on the iPad screen.



Settings - Flight Simulation

# DEVICES

Devices allows the wireless sharing of data between devices via Bluetooth®, or Wi-Fi with a Flight Stream 510. Tap **Home** > to access the Devices Page or tap the Quick Access Devices Icon (if connected & configured) to display the Devices Window. The Devices Page displays status, features, and devices that integrate with Garmin Pilot.



Devices - Dashboard - GDL 52



## GDL 39

---

The GDL 39 is a Bluetooth® enabled receive-only data link radio with on-board GPS, 978 MHz (Universal Access Transceiver frequency band), and 1090 MHz Extended Squitter (1090 ES) receivers. It is designed to receive, process, and output traffic (ADS-B air-to-air, and Traffic Information Service-Broadcast (TIS-B) traffic information), and weather (Flight Information Service-Broadcast (FIS-B)) information to Garmin Pilot wirelessly through Bluetooth®. The GDL 39 Tab displays the GDL 39 Bluetooth connection status and GDL 39 firmware version. The Traffic information includes the number and source (e.g., ADS-B air-to-air, or TIS-B) of traffic the GDL 39 is currently tracking. The Weather information provides the age of weather products received through (FIS-B). The GDL 39 also has a pressure altitude sensor to aid in displaying the relative altitude of received traffic information. If the GDL 39 is used onboard a pressurized aircraft the pressurized cabin switch should be turned off.

The GDL 39 tab also provides a Compatibility Mode in situations where Garmin Pilot has issues communicating with GDLs over Bluetooth. Enabling Compatibility Mode may improve Bluetooth communications.

The option to Reset Pitch/Roll is available if Garmin Pilot is connected to a GDL 39 3D. This resets AHRS information and allows Garmin Pilot to resync with the aircraft attitude as detected by the GDL 39 3D.


### Updating GDL 39 Firmware:

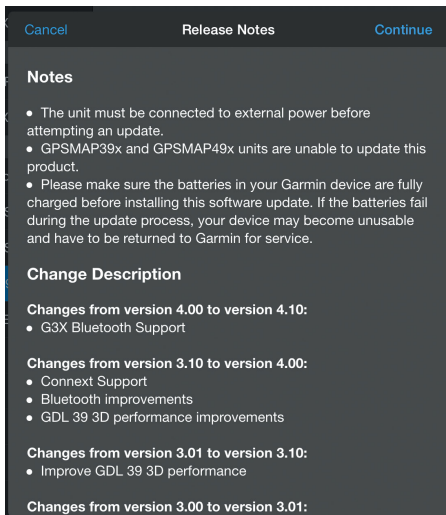
---



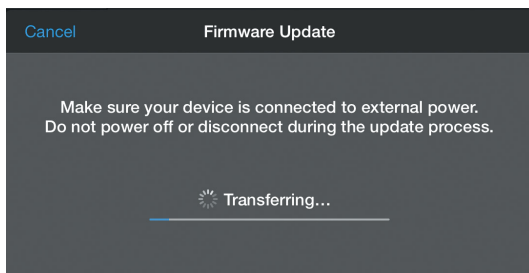
**CAUTION:** *Never remove power from the GDL 39 or power off the iPad during a GDL 39 firmware update. If power is removed from the GDL 39 during a firmware update it will be rendered inoperable and service will be required.*

---

- 1) Ensure the iPad and GDL 39 are connected to a reliable external power source.
- 2) From any page, tap **Home** >  > **GDL 39**.
- 3) Tap **Update Firmware**. The **Release Notes** Window is displayed.
- 4) After reading the release notes tap **Continue**.



**GDL 39 Release Notes**




**GDL 39 Firmware Update**

### Pairing an iOS device with a GDL 39:

- 1) Power on the GDL 39. The GDL 39 will automatically enter Bluetooth pairing mode.
- 2) On the iOS device, go to **Settings** > **Bluetooth**. Ensure Bluetooth is **On** and select the GDL 39 from the list of available devices.
- 3) Acknowledge the Bluetooth pairing request message that appears.


### Viewing GDL 39 Status (including Ground Stations, Traffic, and Weather):

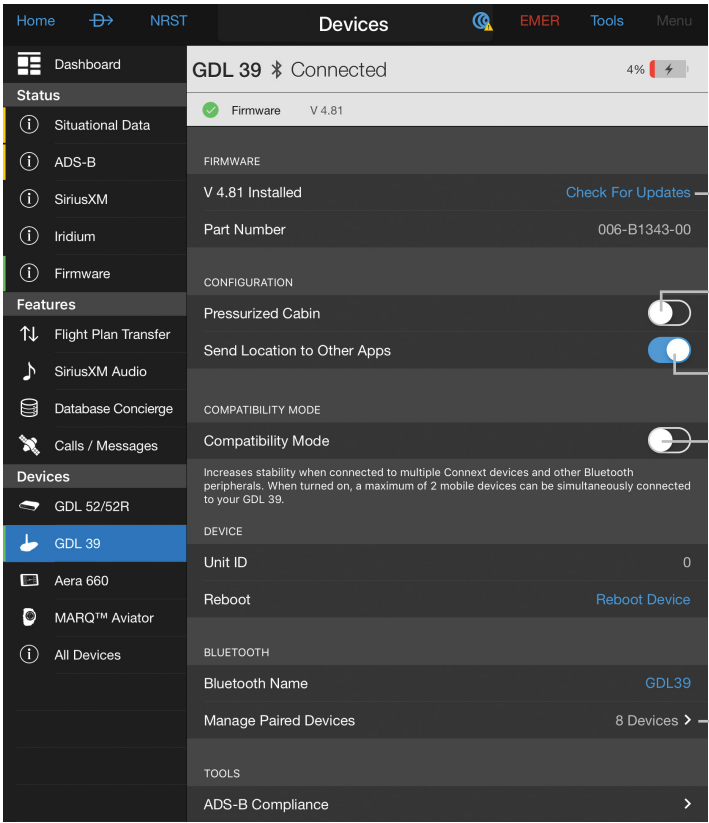
- 1) From any page, tap **Home** > .
- 2) Tap the **ADS-B** Tab.

### Configuring for a Pressurized or Non-Pressurized Aircraft:

- 1) From any page, tap **Home** > .
- 2) Tap the **GDL 39** Tab.
- 3) Use the slider to select Pressurized Cabin (Yes or No).

### Resetting AHRS Pitch/Roll Orientation (GDL 39 3D only):

- 1) From any page, tap **Home** > .
- 2) Tap the **GDL 39** Tab.
- 3) Tap **Reset Pitch/Roll**.



Devices Page (GDL 39 Tab)



**NOTE:** When connected to a GDL 39, the device GPS information is replaced with GDL 39 GPS information. The GDL 39 GPS receiver is capable of updating position information at a much higher frequency, thus providing more accurate GPS position information.

## GDL 51/51R


The GDL 51 is a Bluetooth<sup>®</sup> enabled portable receiver that receives internal WAAS enabled GPS, SiriusXM weather/audio, attitude and pressure information to compatible displays and audio devices via Bluetooth<sup>®</sup> wireless technology. The GDL 51/51R tab displays the GDL 51 Bluetooth connection status and GDL 51 firmware version. The rechargeable lithium-ion battery in the GDL 51 allows the unit to receive SiriusXM data for up to 7 hours on a single charge.

The GDL 51R remote mount version can be hard wired or be wirelessly connected to G3X Touch, and aera 660/795/796, while also wirelessly connecting to Garmin Pilot. These products will request this information over a Devices data connection.

### Pairing an iOS device with a GDL 51:

- 1) Power on the GDL 51. The GDL 51 will automatically enter Bluetooth pairing mode.
- 2) On the iOS device, go to **Settings** > **Bluetooth**. Ensure Bluetooth is **On** and select the GDL 51 from the list of available devices.
- 3) Acknowledge the Bluetooth pairing request message that appears.

### Viewing GDL 51 Status (including Ground Stations, Traffic, and Weather):

- 1) From any page, tap **Home** >  .
- 2) Tap the **ADS-B** Tab.

## GDL 52/52R

---

The GDL 52 is a Bluetooth<sup>®</sup> enabled portable receiver receives internal WAAS-enabled GPS, SiriusXM weather/audio, ADS-B traffic and weather, attitude and pressure information to compatible displays and audio devices via Bluetooth<sup>®</sup> wireless technology and/or over wired connections.

The GDL 52 receives traffic (ADS-B/ADS-R, air-to-air, or TIS-B) on both Universal Access Transceiver (UAT) frequency band, and 1090 MHz Extended Squitter (1090 ES) receivers. It is designed to receive, process, and output traffic (ADS-B air-to-air, and Traffic Information Service-Broadcast (TIS-B) traffic information), and weather (Flight Information Service-Broadcast (FIS-B)) information to Garmin Pilot wirelessly through Bluetooth<sup>®</sup>. The GDL 52/52R tab displays the GDL 52 Bluetooth connection status and GDL 52 firmware version. The Traffic information includes the number and source (e.g., ADS-B/ADS-R, air-to-air, or TIS-B) of traffic the GDL 52 is currently tracking. The rechargeable lithium-ion battery in the GDL 52 allows the unit to operate for up to 5 hours on a single charge.

The GDL 52R remote mount version can be hard wired or be wirelessly connected to G3X Touch, and units like the aera 660/795/796, while also wirelessly connecting to Garmin Pilot. These products will request this information over a Devices data connection.

### Pairing an iOS device with a GDL 52:

- 1) Power on the GDL 52. The GDL 52 will automatically enter Bluetooth pairing mode.
- 2) On the iOS device, go to **Settings > Bluetooth**. Ensure Bluetooth is **On** and select the GDL 52 from the list of available devices.
- 3) Acknowledge the Bluetooth pairing request message that appears.

## Viewing GDL 52 Status (including Ground Stations, Traffic, and Weather):

- 1) From any page, tap **Home** >
- 2) Tap the **ADS-B** Tab.

**Devices** GDL 52/52R **Connected** 90%

**Status**

- Situational Data
- ADS-B **FIRMWARE**
- SiriusXM **V 2.22 Installed** [Check For Updates](#)
- Iridium **Part Number** 006-B2513-11
- Firmware **CONFIGURATION**

**Features**

- Pressurized Cabin
- Flight Plan Transfer [Reset Pitch/Roll](#)
- SiriusXM Audio [Reset](#)
- Database Concierge
- Calls / Messages **COMPATIBILITY MODE**

**Devices**

- GDL 52/52R** [Tap to Toggle On/Off](#)
- All Devices

**Compatibility Mode**

Increases stability when connected to multiple Connect devices and other Bluetooth peripherals. When turned on, a maximum of 2 mobile devices can be simultaneously connected to your GDL 52.

**DEVICE**

- Unit ID 3939289194
- Reboot [Reboot Device](#)

**BLUETOOTH**

- Bluetooth Name **GDL52 # 3939289194...** [Tap to Change](#)
- Manage Paired Devices **3 Devices** [Tap to Manage Paired Devices](#)

**TOOLS**

- ADS-B Compliance [Tap to View](#)

Devices - GDL 52/52R

## GDL 60

The GDL 60 provides LTE and Wi-Fi connectivity capabilities to and from an aircraft, allowing the user to view an aircraft's data and location remotely via the Garmin Pilot app on a mobile device.

### Compatible Devices with GDL 60 Datalink PlaneSync Technology

G3000	G700 TXi	GTN 625Xi	GTN 725Xi
G500 TXi	GI 275	GTN 635Xi	GTN 750Xi
G600 TXi	GI 275 EIS	GTN 650Xi	TXi EIS

### GDL 60 Compatible Devices

## PLANESYNC

When properly connected and configured with a compatible GTN Xi navigator and select flight decks, the GDL 60 is the datalink that enables the PlaneSync technology, which facilitates the following functionality:

- Automatic database downloads via 4G LTE cellular or Wi-Fi.
- Real-time aircraft status via the Aircraft Dashboard.
- Upload flight plans to a compatible navigator.
- Interface in-flight with portable devices, apps, avionics, a GDL 69A SXM satellite receiver, and a GSR 56 satellite transceiver via Connex services.
- Upon completion of a flight, EIS data and other info are uploaded into cloud storage for review and/or documentation.



## REMOTE AIRCRAFT STATUS

With a properly installed, configured, and connected GDL 60, Garmin Pilot will display the Aircraft Dashboard page, which allows the user to check the status of an active/standby database, Hobbs/Tach time, fuel quantity, battery voltage, Outside Air Temperature (OAT), oil temperature, and GPS location of the aircraft. When Garmin Pilot is paired to the GDL 60, select the **Aircraft** page to view the Remote Aircraft Status.

The screenshot shows the Remote Aircraft Status page for aircraft N875PD. The top section includes a 'Select Aircraft' button with an airplane icon, a 'PlaneSync' indicator showing 'Updated Moments Ago' with a sync progress circle, and a 'Show Details' button. Below this, a 'Databases up to date' section shows the last update on 14-Jul-23 and an expiration date of 10-Aug-23. The main dashboard is divided into several data tiles: Fuel (74 GAL), Battery (22.7 V), Oil (22.6 °C), OAT (22.3 °C), Hobbs (904.2 HRS), Tach (852.7 HRS), and Flight Time (861.3 HRS). At the bottom, there is a METAR section for KDAB and a map of Daytona Beach showing the aircraft's location.

Annotations on the screenshot:

- Tap to Select Aircraft (points to the airplane icon)
- Last Database Update & Status (points to the Databases up to date section)
- Aircraft Info (points to the Fuel, Battery, Oil, and OAT tiles)
- Airport Info (points to the METAR section)
- Last Sync (points to the PlaneSync indicator)
- Sync Progress (points to the sync progress circle)
- Tap to Sync (points to the sync button)
- Tap to View (points to the Show Details button)
- Aircraft Location (points to the map)

Devices - GDL 60 - Aircraft Dashboard - iPad  
Garmin Pilot for iOS User's Guide

Database Details
Dismiss

## GDL 60 Downloads

Last downloaded  
 08-Mar-23 09:45 CST

Next download  
 16-Mar-23 00:00 CDT

Navigation Data	<span style="color: #27ae60;">Database Updated On</span> 24-Feb-23 14:31 CST Updates Remaining 2 coverage until 23-Mar-23	
Obstacles	<span style="color: #27ae60;">Database Updated On</span> 27-Feb-23 09:43 CST Updates Remaining 2 coverage until 20-Apr-23	
Terrain	<span style="color: #27ae60;">Database Updated On</span> 12-Sep-22 10:55 CDT Updates Remaining 0	
SafeTaxi	<span style="color: #27ae60;">Database Updated On</span> 27-Feb-23 09:43 CST Updates Remaining 2 coverage until 20-Apr-23	
FliteCharts	<span style="color: #27ae60;">Database Updated On</span> 27-Feb-23 09:56 CST Updates Remaining 1 coverage until 23-Mar-23	
Airport Directory	<span style="color: #27ae60;">Database Updated On</span> 27-Feb-23 10:17 CST Updates Remaining 2 coverage until 20-Apr-23	
Basemap	<span style="color: #27ae60;">Database Updated On</span> 20-Sep-22 13:50 CDT Updates Remaining 0	
Jeppesen Charts	<span style="color: #27ae60;">Database Updated On</span> 02-Mar-23 20:03 CST Updates Remaining 3 coverage until 22-Mar-23	

Devices - GDL 60 - Database Details

## GLO



**NOTE:** When connected to GLO, the device GPS information is replaced with GLO GPS information. The GLO receiver is capable of updating position information at a much higher frequency, thus providing more accurate GPS position information.


GLO is a portable battery powered GPS receiver with up to 12 hours of battery life. Using Bluetooth, GLO wirelessly pairs to up to 4 devices.

GLO receives position information from both GPS and GLONASS satellite constellations. This allows GLO to connect to up to 24 more satellites and updates its position information up to 10 times more often than devices that rely on GPS alone.

### Pairing an iOS device with GLO:

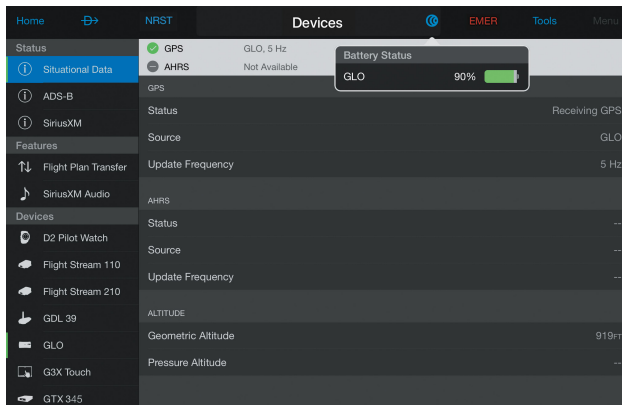
- 1) Power on GLO. GLO will automatically enter Bluetooth pairing mode.
- 2) On the iOS device, go to **Settings** > **Bluetooth**. Ensure Bluetooth is **On** and select GLO from the list of available devices.
- 3) Acknowledge the Bluetooth pairing request message that appears.

### Displaying GLO Firmware Version, Connection Status, and Battery Level:

- 1) From any page, tap **Home** > .
- 2) Tap the **GLO** Tab.

## Displaying GLO GPS Status:

- 1) With GLO paired to the iOS device, from any page, tap **Home** >
- 2) Tap the **Situational Data** Tab.



Devices Page - Situational Data Tab - GLO

## INREACH EXPLORER AND INREACH MINI HANDHELD INTEGRATION

The inReach Explorer and inReach Mini handheld communicators with global IRIDIUM<sup>®</sup> satellite coverage, allow for two-way messaging and SOS alerting anywhere in the world.

Paired with Garmin Pilot via Bluetooth, the inReach Explorer and inReach Mini provide:

- The ability for GPS position tracking.
- The ability to send text messages from Garmin Pilot via the **Calls/Messages** tab in the **Devices** menu.




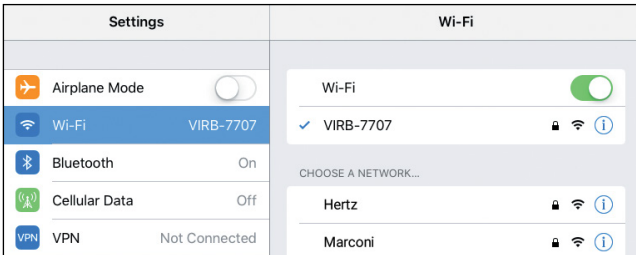
inReach Explorer

## VIRB® ACTION CAMERA

Garmin Pilot allows the user to remotely control any VIRB action cameras to start and stop video recording as well as take still photos. Videos and photos taken with VIRB action cameras are stored on the VIRB device itself, not on the phone or tablet running Garmin Pilot. VIRB videos and photos can be accessed using the Garmin VIRB app.

### Connecting a VIRB Action Camera:

- 1) On the VIRB camera, select **MODE > SETUP > WiFi**.
- 2) Change WiFi to **On**. The camera's SSID and password will appear on the camera display.
- 3) On the iPhone or iPod Touch, go to **Settings > Wi-Fi**. Ensure Wi-Fi is **On** and select the camera's SSID from the list.
- 4) On the iPhone or iPod Touch, enter the password as shown on the camera's display.
- 5) In Garmin Pilot, tap **Home >  > VIRB**.



### iOS Wifi Access Points

The Camera Settings provided by Garmin Pilot match the settings available in the Garmin VIRB app, allowing full control of recording without switching apps.

### Configuring Camera Settings:

- 1) From any page, tap **Home** >  > **VIRB** Tab.
- 2) Tap **Configure Camera Settings**.

### Configuring Auto-Attach VIRB photos to logbook entry:

- 1) From any page, tap **Home** >  > **VIRB** Tab.
- 2) Tap **Auto-Attach VIRB Photos to Logbook Entry** switch On.


### Recording using the VIRB:

- 1) From any page, tap **Home** >  > **VIRB** Tab.
- 2) Tap **Start Recording/Stop Recording**.

#### Or:

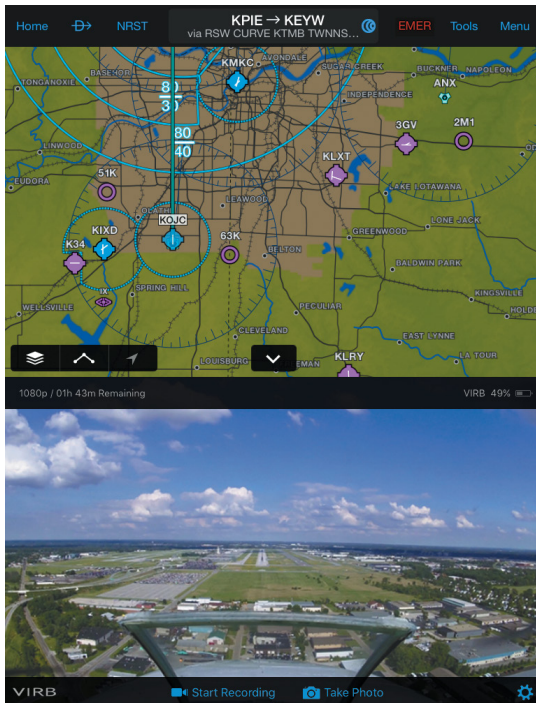
- 1) From any Map Page or from the SynVis Split Screen tap **Menu** > **Split Screen** > **VIRB**.
- 2) Tap **Start Recording/Stop Recording**.

## Taking a photo using the VIRB:

- 1) From any page, tap **Home** >  > **VIRB** Tab.
- 2) Tap **Take Photo**.

**Or:**

- 1) From any Map Page or from the SynVis Split Screen tap **Menu** > **Split Screen** > **VIRB**.
- 2) Tap **Take Photo**.



VIRB (Split-Screen)

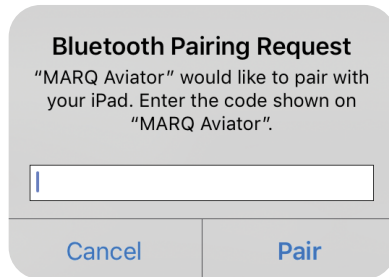


## GARMIN PILOT COMPATIBLE WATCH




**NOTE:** Any Garmin Pilot compatible Watch route sharing is only available with iOS devices that support Bluetooth 4.0 + (e.g., iPhone 4S, iPod Touch 5 and iPad 3 and newer).

Garmin Pilot can share Flight Plans with any Garmin Pilot compatible Watch via Bluetooth connection. When the Garmin Pilot compatible Watch is in 'Share Mode' it will automatically pair with an iOS device.



MARQ Aviator Watch - Bluetooth Pairing


### Sending User Waypoints to a Garmin Pilot Compatible Watch:

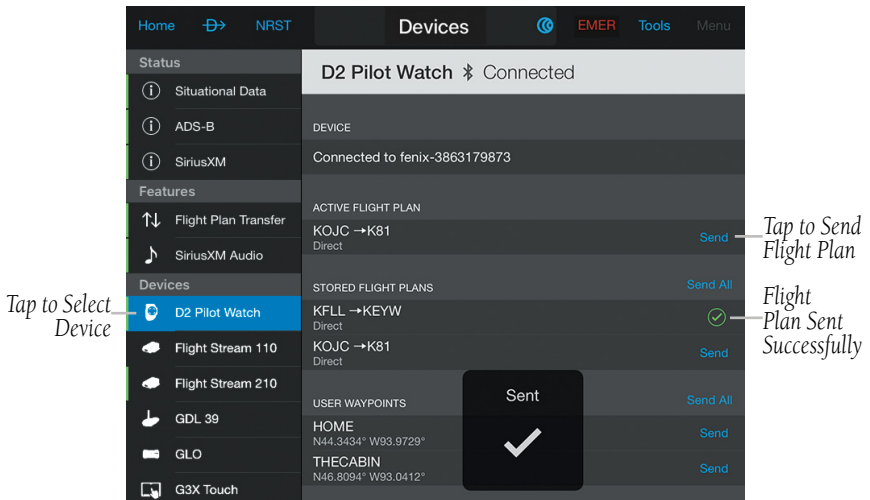
- 1) From any page, tap **Home** > .
- 2) Tap the desired device Tab.
- 3) Ensure the Watch is in 'Share Mode'. Tap **Send** next to the desired waypoint to send. Waypoints that have been shared with the Watch will momentarily display a green check mark.

### Sending Flight Plans to a Garmin Pilot Compatible Watch:

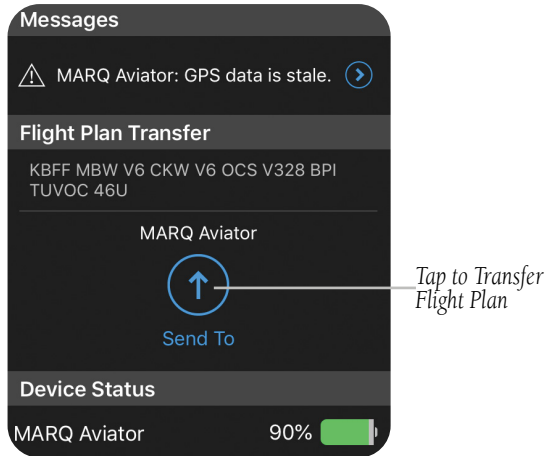
From any page, tap **Home** >  > **Menu** > **Share Flight Plan**. Ensure the Watch is in 'Share Mode' to receive flight plan data.

Or:

- 1) From any page, tap **Home** >  .
- 2) Tap the desired device Tab.
- 3) Tap **Send** next to the desired flight plan to send.



Devices Page - D2 Pilot Watch Tab



Devices Page - MARQ Aviator Pilot Watch

## STRATUX INTEGRATION

When properly configured and paired, Garmin Pilot will display ADS-B weather and traffic information, backup attitude and GPS position from the Stratux.

### Pairing Stratux with Garmin Pilot:

- 1) Power On the Stratux.
- 2) On the iOS device, go to **Settings** and ensure Wi-Fi is enabled.
- 3) Select the Stratux to pair the device with Garmin Pilot.

## BAD ELF GPS

When properly configured and paired, the Bad Elf GPS will provide position data to Garmin Pilot.

### Pairing Bad Elf GPS with Garmin Pilot:

- 1) Power On the Bad Elf GPS.
- 2) On the iOS device, go to Settings and ensure Bluetooth is enabled.
- 3) Select the Bad Elf to pair the device with Garmin Pilot.



Bad Elf GPS

## FLIGHT STREAM



**NOTE:** Up to two mobile devices can be simultaneously connected to a Flight Stream 110, 210, or 510.

Flight Stream is a wireless Bluetooth gateway that integrates pre-flight and in-flight activities by enabling bi-directional communication between Garmin avionics and Garmin Pilot. Flight Stream is compatible with GTN 650/750, G1000 NXi, G3000/5000, GNS WAAS Navigators, GDL 88, and GDL 69(A).

Flight Stream & Remote Capabilities	Flight Stream 110	Flight Stream 210	Flight Stream 510
GPS (Position, Velocity, and Time)	✓	✓	✓
ADS-B Weather and Traffic	✓	✓	✓
SXM Weather	✓	✓	✓
SXM Audio Remote Control	✓	✓	✓
Attitude Information		✓	✓
Two-way Flight Plan Transfer		✓	✓
GDL 88 and GDL 69/69A Compatible	✓	✓	
GTN Series, GNS 430W/530W, G1000 NXi, and G3000/5000 Compatible		✓	✓
Database Concierge			✓
GSR 56 Iridium Datalink			✓

**Flight Stream 110/210/510 Capabilities**

Flight Stream 110 enables the following communication between Garmin avionics and Garmin Pilot:

- The GDL 88 shares weather and traffic with Garmin Pilot.
- The GDL 69 shares SXM weather with Garmin Pilot.
- The GTN 650/750 or GNS 430W/530W shares GPS information with Garmin Pilot.
- Remotely control SiriusXM satellite radio from Garmin Pilot.

Flight Stream 210 enables all of the above communications including:

- Flight plan transfer to and from a GTN 650/750 or GNS 430W/530W.
- Adding victor airways into flight plans from Garmin Pilot to GNS 430W/530W navigators.
- Shares attitude information to the Garmin Pilot's synthetic vision and panel displays.

Flight Stream 510 enables all of the above communications including:

- Database Concierge functionality that updates databases for GTN navigators, G1000 NXi, and G3000/5000 and also loads upcoming database cycles for automatic transition as the cycle becomes active.
- GSR 56 Iridium Datalink.

### Pairing an iOS device with Flight Stream 110:

- 1) Power on the Flight Stream 110 with the aircraft avionics. The Flight Stream 110 will automatically enter Bluetooth pairing mode.
- 2) On the iOS device, go to **Settings > Bluetooth**. Ensure Bluetooth is **On** and select the Flight Stream 110 from the list of available devices.
- 3) Acknowledge the Bluetooth pairing request message that appears.

### Pairing an iOS device with Flight Stream 210:

- 1) Power on the Flight Stream 210 with the aircraft avionics. If the Flight Stream 210 is not connected to a display unit (e.g., GTN 750/650, GNS 430W/530W, or G1000 NXi), it will automatically enter Bluetooth pairing mode 1 minute after being powered on.
- 2) If the Flight Stream 210 is connected to a display unit, navigate to the Devices Bluetooth Setup Page on the display unit. The Flight Stream 210 will enter Bluetooth pairing mode.
- 3) On the iOS device, go to **Settings > Bluetooth**. Ensure Bluetooth is **On** and select the Flight Stream 210 from the list of available devices.
- 4) Acknowledge the Bluetooth pairing request messages that appear on the iOS device and on the display unit (if applicable).

### Pairing an iOS device with Flight Stream 510 via Bluetooth:

- 1) Ensure the Flight Stream 510 MultiMediaCard is inserted in the GTN 650, GTN 750, G1000 NXi, or G3000/5000 SD Card slot.
- 2) Power on the GTN 650/750, G1000 NXi, or G3000/5000 with the aircraft avionics.
- 3) Navigate to the Devices Bluetooth Setup page. The Flight Stream 510 will automatically enter Bluetooth pairing mode.
- 4) On the iOS device, go to **Settings > Bluetooth**. Ensure Bluetooth is **On** and select the Flight Stream 510 from the list of available devices.
- 5) Acknowledge the Bluetooth pairing request message that appears.



**NOTE:** It will be necessary to disconnect from terrestrial Wi-Fi hotspots to connect to a Flight Stream 510 over Wi-Fi.




**NOTE:** When connected to a Flight Stream 510 over Bluetooth, if new database downloads are available and Garmin Pilot has previously connected to the Flight Stream 510, Garmin Pilot will automatically and temporarily connect over Wi-Fi to download the new databases, then switch back to Bluetooth.

### Pairing an iOS device with Flight Stream 510 via Wi-Fi:

- 1) Ensure the Flight Stream 510 MultiMediaCard is inserted in the GTN 650, GTN 750, G1000 NXi, or G3000/5000 SD Card slot.
- 2) Power on the GTN navigators, G1000 NXi, or G3000/5000 with the aircraft avionics.
- 3) The GTN 650/750, G1000 NXi, or G3000/5000 will display an SSID and a Wi-Fi password.
- 4) On the iOS device, go to **Settings > Wi-Fi**. Ensure Wi-Fi is **On**.
- 5) On the iOS device, check the list of nearby Wi-Fi hotspots. Tap the hotspots showing the SSID shown on the GTN 650/750, G1000 NXi, or G3000/5000.
- 6) On the iOS device, enter the Wi-Fi password as shown on the GTN 650/750, G1000 NXi, or G3000/5000.

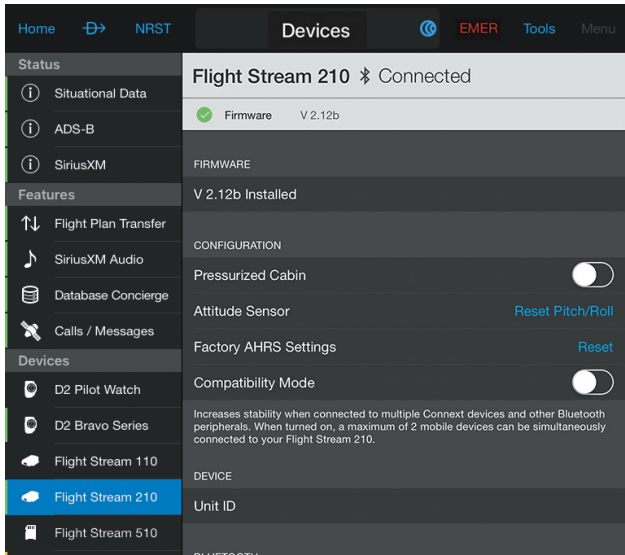
### Enabling auto reconnect of paired devices:

- 1) From any screen, tap **Home** > .
- 2) Tap the **Flight Stream 110**, **Flight Stream 210**, or **Flight Stream 510** Tab.
- 3) Tap the **Manage Paired Devices** cell.
- 4) Tap the **Auto Reconnect** switch to enable/disable auto reconnect on the desired device(s).



### Deleting paired devices:

- 1) From any screen, tap **Home** > .
- 2) Tap the **Flight Stream 110**, **Flight Stream 210**, or **Flight Stream 510** Tab.
- 3) Tap **Manage Paired Devices**.
- 4) Tap  next to the desired device.




Devices Page - Flight Stream 210 Tab

## TROUBLESHOOTING FLIGHT STREAM 110/210/510

If a Bluetooth connection cannot be established, it may be necessary to remove the Flight Stream 110/210/510 from the list of available paired devices on the iOS device and repeat the pairing instructions.

### Removing Flight Stream 110/210/510 from the list of available devices:

- 1) On the iOS device, go to **Settings** > **Bluetooth**. Ensure Bluetooth is **On**.
- 2) In the list of devices, tap the  symbol next to Flight Stream 110/210/510.
- 3) Tap **Forget this Device**.
- 4) Repeat the pairing instructions.

## SITUATIONAL DATA

Flight Stream 110/210/510 enables Garmin Pilot to access the same GPS information utilized by the GTN or GNS WAAS series display units. In addition, Flight Stream 210 and Flight Stream 510 shares attitude information to the Garmin Pilot's synthetic vision and panel displays.

### Viewing Flight Stream situational data:



**NOTE:** Ensure the Flight Stream 110/210/510 is paired to an iOS device.

- 1) From any screen, tap **Home** >
- 2) Tap the **Situational Data** Tab.



Home		NRST		Devices		EMER		Tools		Menu	
Status		✓	GPS	iOS, 1 Hz							
i Situational Data		✓	AHRS	Flight Stream 210, 5 Hz							
i ADS-B		GPS									
i SiriusXM		Status		Receiving GPS							
Features		Source		iOS							
↕ Flight Plan Transfer		Update Frequency		1 Hz							
🎵 SiriusXM Audio		AHRS									
📄 Database Concierge		Status		Receiving AHRS							
📞 Calls / Messages		Source		Flight Stream 210							
Devices		Update Frequency		5 Hz							
🕒 D2 Pilot Watch		ALTITUDE									
🕒 D2 Bravo Series		Geometric Altitude		834FT							
☁ Flight Stream 110		Pressure Altitude		FL009							
☁ Flight Stream 210											

Devices Page - Situational Data Tab

## AHRS AND ATTITUDE INFORMATION

When connected to the Flight Stream 210, Flight Stream 510, GDL 51/51R, GDL 52/52R, GDL 39 3D, GTX 345, GTX 45R, and G3X Touch, Garmin Pilot will display a backup Attitude Indicator, Ground Speed, Altimeter, HSI, and VSI on the Panel. 'Pitch' and 'Roll' become available options for the Nav Bar on the Map Pane, and Navigation Data on the Panel.



# ADS-B

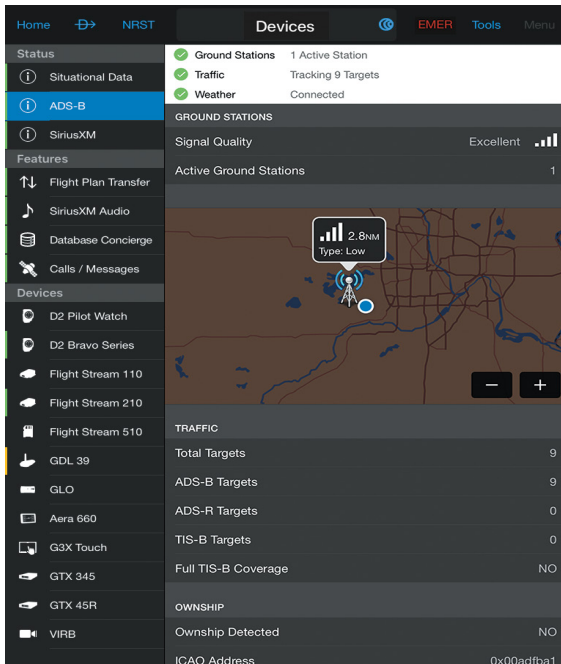
For installations with a compatible ADS-B datalink, traffic and FIS-B weather information can also be displayed using Garmin Pilot.

## Viewing Flight Stream ADS-B traffic and weather data:



**NOTE:** Ensure the Flight Stream 110/210/510 is paired to an iOS device.

- 1) From any screen, tap **Home** >
- 2) Tap the **ADS-B** Tab.



Devices Page - ADS-B Tab

## SIRIUSXM




SiriusXM weather information is shared with Garmin Pilot for installations with a Flight Stream 510, Flight Stream 210, Flight Stream 110, GDL 69/GDL 69A GDL 52/52R, and GDL 51/51R SiriusXM datalink. In addition, remote control of SiriusXM satellite radio from Garmin Pilot is available.

## SIRIUSXM WEATHER OVERLAYS






**NOTE:** Ensure the Flight Stream 110/210 (wired to a GDL 69/GDL 69A) or a Flight Stream 510 is paired to an iOS device.

### Displaying SiriusXM Radar overlay on Garmin Pilot:




- 1) From any screen, tap **Home** > .
- 2) Tap  > **Overlays**.
- 3) Tap  to expand the **Radar** options.
- 4) Tap **SXM**, or **SXM Base**.

### Displaying SiriusXM Clouds overlay on Garmin Pilot:



- 1) From any screen, tap **Home** > .
- 2) Tap  > **Overlays**.
- 3) Tap  to expand the **Clouds** options.
- 4) Tap **SXM** or **SXM Base**.

## SIRIUSXM WEATHER OVERLAYS ENHANCEMENTS



### Displaying SiriusXM Lightning overlay on Garmin Pilot:

- 1) From any screen, tap **Home** > .
- 2) Tap  > **Overlays**
- 3) Tap  to expand the **Lightning** options.
- 4) Tap **SXM**.



### Displaying SiriusXM Icing overlay on Garmin Pilot:

- 1) From any screen, tap **Home** > .
- 2) Tap  > **Overlays**
- 3) Tap the **Icing** cell.



### Displaying SiriusXM Turbulence overlay on Garmin Pilot:

- 1) From any screen, tap **Home** > .
- 2) Tap  > **Overlays**
- 3) Tap the **Turbulence** cell.



### Displaying SiriusXM Echo Tops overlay on Garmin Pilot:

- 1) From any screen, tap **Home** > .
- 2) Tap  > **Overlays**
- 3) Tap the **Echo Tops** Tab.

### Displaying SiriusXM Storm Cells overlay on Garmin Pilot:

- 1) From any screen, tap **Home** > .
- 2) Tap  > **Overlays**
- 3) Tap the **Storm Cells** Tab.

## Displaying SiriusXM Surface Analysis overlay on Garmin Pilot:

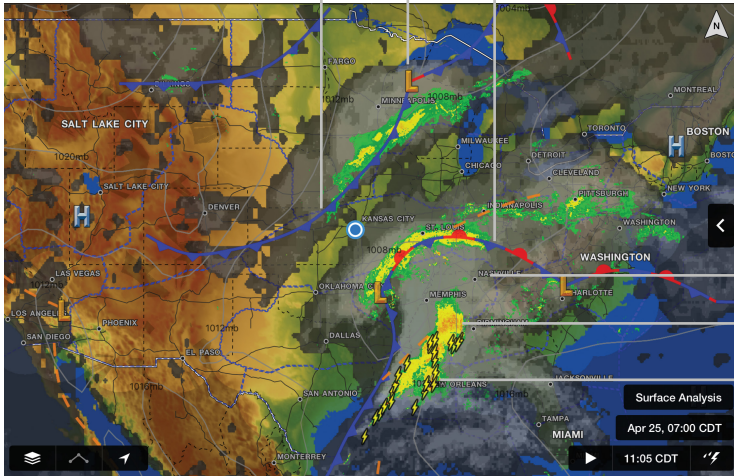
- 1) From any screen, tap **Home** > 
- 2) Tap  > **Overlays**
- 3) Tap the **Sfc Features** Tab.



Map Page - SiriusXM Weather Overlays



SXM Surface Analysis




Map Page - SiriusXM Weather Overlays

## SIRIUSXM AUDIO REMOTE CONTROL




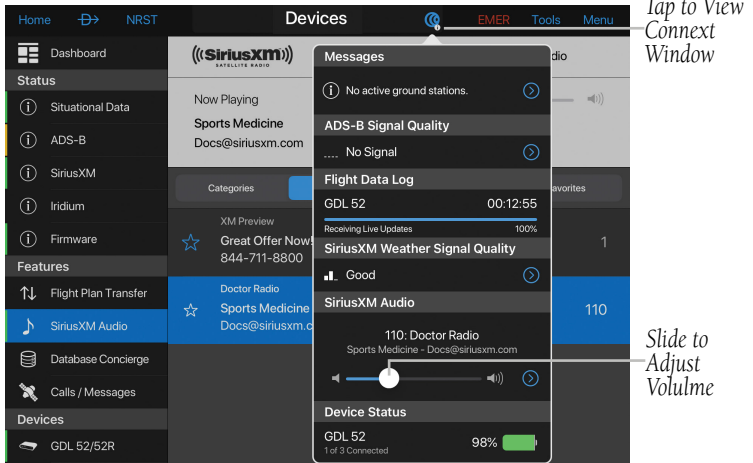
**NOTE:** Ensure the Flight Stream 110/210 (wired to a GDL 69/GDL 69A), Flight Stream 510, GDL 52/52R, or GDL 51/51R is paired to an iOS device.

### Adjusting the SiriusXM volume using Garmin Pilot:

- 1) From any screen, tap **Home** > .
- 2) Tap the **SiriusXM Audio** Tab.
- 3) Tap and drag the volume slider to adjust the volume.


**Or:**

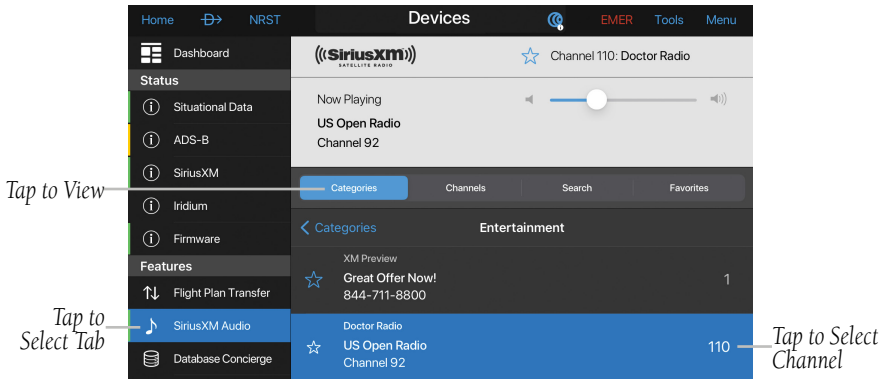
- 1) From any screen tap  to display the Devices Window.
- 2) Tap and drag the volume slider to adjust the volume.



**Devices Window - SiriusXM Audio Volume Control**


## Selecting a SiriusXM category using Garmin Pilot:

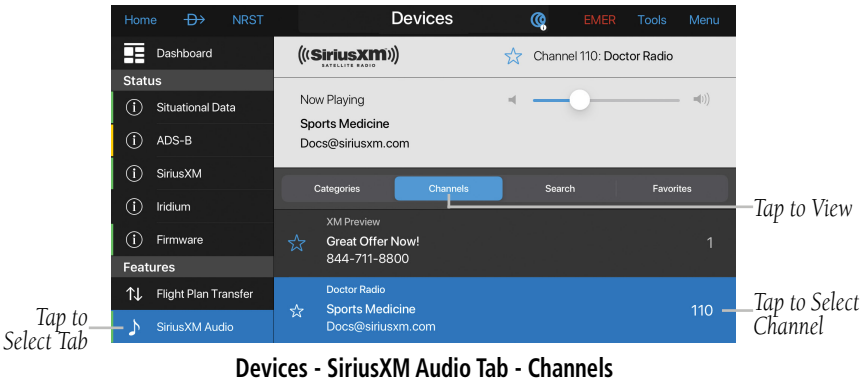
- 1) From any screen, tap **Home** >  .
- 2) Tap the **SiriusXM Audio** Tab.
- 3) Tap the **Categories** Button.
- 4) Tap the desired category from the list.




Devices - SiriusXM Audio Tab - Categories

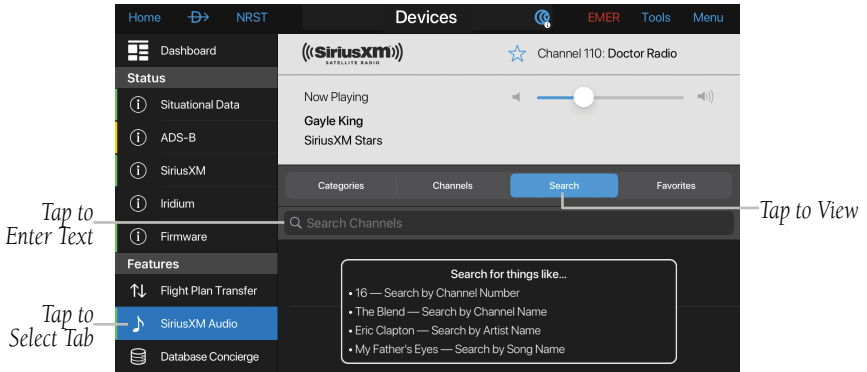
### Selecting a SiriusXM channel using Garmin Pilot:

- 1) From any screen, tap **Home** > .
- 2) Tap the **SiriusXM Audio** Tab.
- 3) Tap the **Channels** Button.
- 4) Tap the desired channel from the list.



### Searching SiriusXM Satellite Radio using Garmin Pilot:

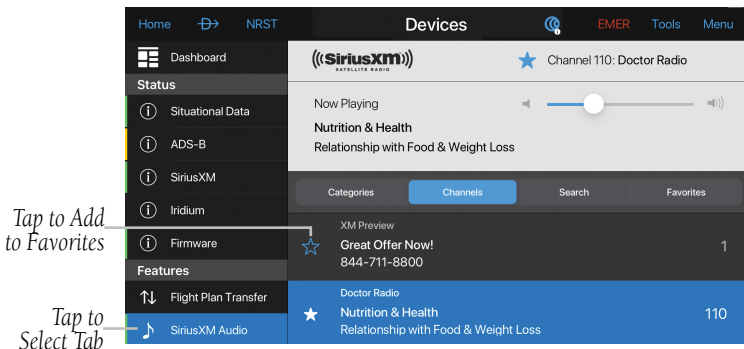
- 1) From any screen, tap **Home** > .
- 2) Tap the **SiriusXM Audio** Tab.
- 3) Tap the **Search** Button.
- 4) Enter the artist, song, channel number, or channel name using the keypad.
- 5) Tap **Search** on the keypad.



Devices - SiriusXM Audio Tab - Search


### Adding a Channel to Favorites using Garmin Pilot:

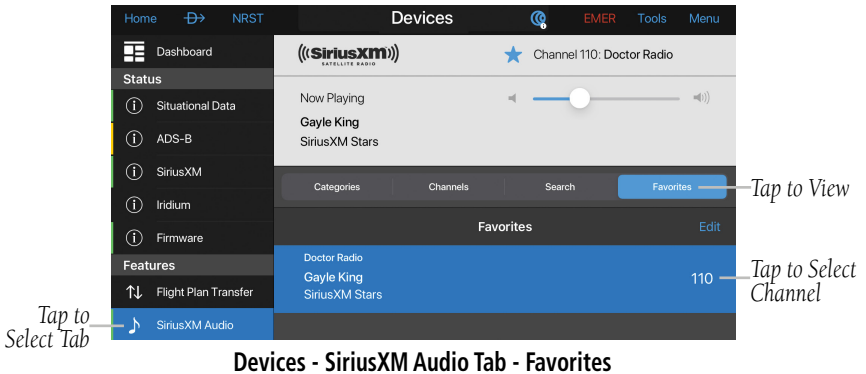
- 1) From any screen, tap **Home** > 
- 2) Tap the **SiriusXM Audio** Tab.
- 3) Tap the **Channels** Button.
- 4) Tap the blue star next to the channel to add to Favorites.



Devices - SiriusXM Audio Tab - Selecting Favorite(s)

### Viewing Favorites using Garmin Pilot:

- 1) From any screen, tap **Home** > .
- 2) Tap the **SiriusXM Audio** Tab.
- 3) Tap the **Favorites** Button.




## WIRELESS FLIGHT PLAN TRANSFER

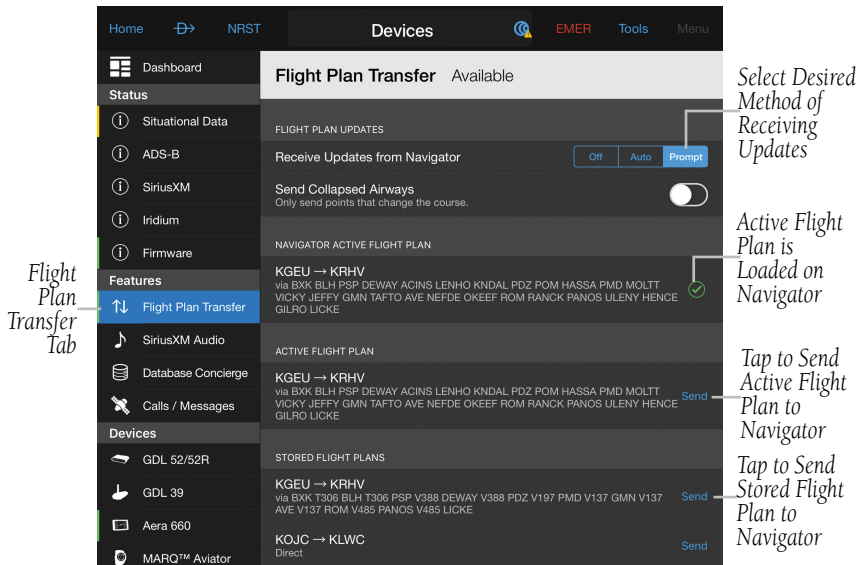
Flight Stream 210 and Flight Stream 510 uses Bluetooth technology to transfer flight plan information between Garmin Pilot and a compatible device.

### Sending a flight plan from Garmin Pilot to a display unit:



**NOTE:** Ensure the Flight Stream 210/510 is paired to an iOS device.

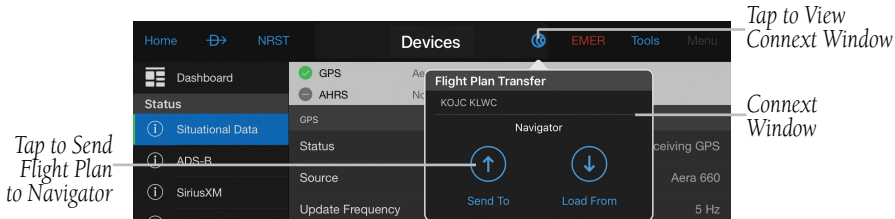
- 1) From any screen, tap **Home** > .
- 2) Tap the **Flight Plan Transfer** Tab.
- 3) Tap **Send**.



Devices Page - Flight Plan Transfer Tab

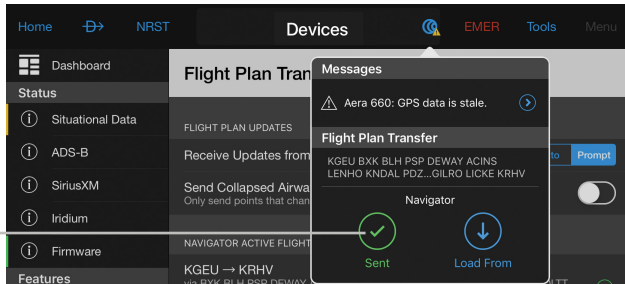
Or:

- 1) From any screen tap to display the Devices Window.
- 2) Tap **Send To** .
- 3) **Sent** is displayed momentarily.



Devices Window

*Flight Plan Sent to Navigator Successfully*




**Flight Plan Sent to Navigator**

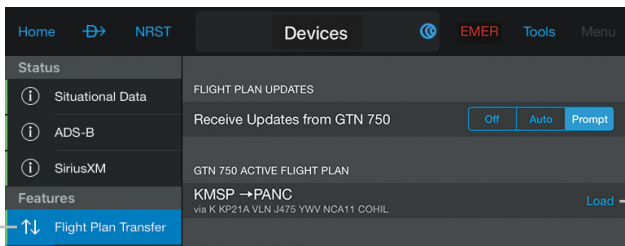
## Loading a flight plan from a display unit to Garmin Pilot:



**NOTE:** Ensure the Flight Stream 210/510 is paired to an iOS device.

- 1) From any screen, tap **Home** > .
- 2) Tap the **Flight Plan Transfer** Tab.
- 3) Tap **Load**.




*Flight Plan Transfer Tab*



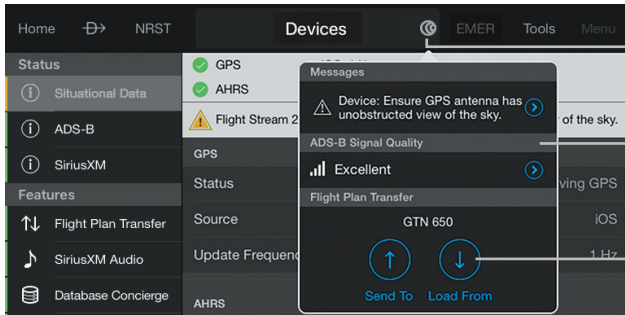
*Tap to Load Flight Plan From Navigator*

**Devices Page - Flight Plan Transfer Tab**

**Or:**

- 1) From any screen, tap  to display the Devices Window.
- 2) Tap **Load From** .
- 3) **Loaded**  is displayed momentarily.



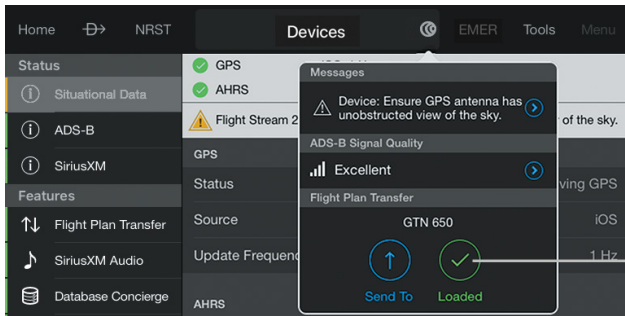


Tap to View  
Connect  
Window

Connect  
Window

Tap to  
Load Flight  
Plan From  
Navigator


Devices Window



Flight Plan  
Loaded  
Successfully

Flight Plan Loaded From Navigator

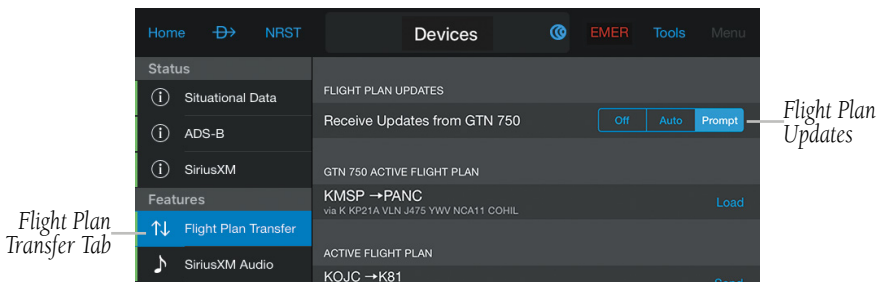
### Receiving flight plan updates from a display unit:

- 1) From any screen, tap **Home** > 
- 2) Tap the **Flight Plan Transfer** Tab.
- 3) Tap **Off**, **Auto**, or **Prompt**.

**Off:** Flight plan updates are not received from navigator.

**Auto:** Flight plan changes made on the navigator are automatically activated in Garmin Pilot.

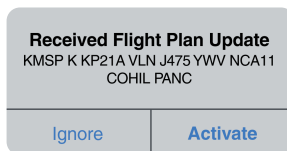
**Prompt:** A prompt is displayed allowing the flight plan update to be activated or ignored.



Devices Page - Flight Plan Transfer Tab

### Activating/ignoring flight plan updates from a display unit:

Tap **Ignore** or **Activate** when the Flight Plan Update Window appears.



Flight Plan Update Window

## DATABASE CONCIERGE

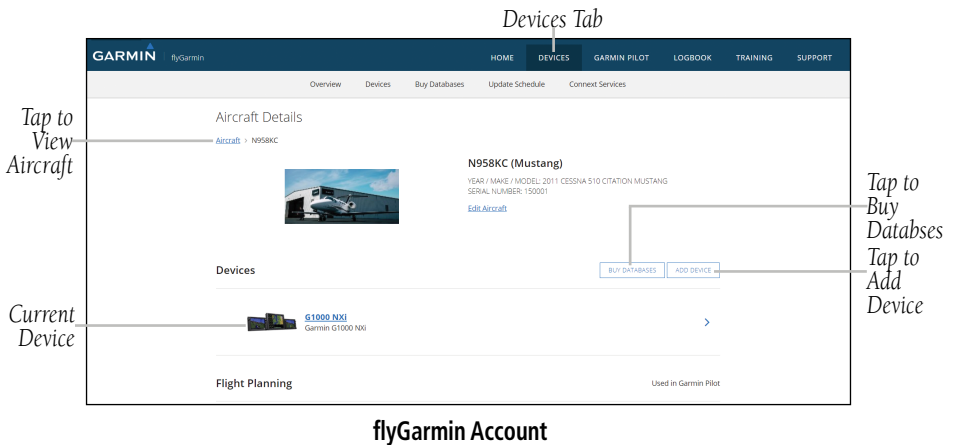
Database Concierge is a tool for updating databases for compatible Garmin navigators. Updating databases should be accomplished with the aircraft on the ground. Database Concierge aims to make this task as easy as possible by using the Wi-Fi capabilities of your iOS device, as well as integration with a personalized flyGarmin account.

Initial set up of Database Concierge requires a flyGarmin account with active subscriptions to navigation databases, and configuring Garmin Pilot to bring those databases from the internet to a compatible system. By default, Database Concierge is disabled. This accommodates pilots who wish to use Garmin Pilot without Database Concierge. This is also useful to pilots who use multiple iOS devices in the cockpit. Pilots can enable Database Concierge on only one of their iOS devices, nominating that device to download and transmit updates to their avionics.

Once set up, the ideal usage of Database Concierge is to allow Garmin Pilot to download updates while connected to the internet. Once Garmin Pilot has downloaded all of its updates, take the iOS device to the aircraft. The iOS device will connect to the compatible system using the Wi-Fi provided by the Flight Stream 510, and navigator updates will commence.

## Adding aircraft to your flyGarmin account:

- 1) Visit <https://fly.garmin.com>
- 2) Enter the e-mail address and password for your Garmin Account. This is the same information used for Garmin Pilot subscriptions.
- 3) Click the **Devices** > **ADD AIRCRAFT**.
- 4) Enter the information for the aircraft and click **Add Aircraft** > **ADD DEVICE**.
- 5) Select the Garmin compatible system in the combo box.
- 6) Enter the System ID for the compatible system. Click **Where is my System ID?** for assistance locating the system ID. Click **Add Device** when complete.




Compatible Garmin navigators use different databases than Garmin Pilot. As such, it may be necessary to purchase database subscriptions through the flyGarmin website, if not already done.



**NOTE:** Ensure the iOS device is paired to the Flight Stream 510. Refer to the 'Flight Stream' section for information on pairing the Flight Stream 510 via Bluetooth or WiFi.

## Enabling Database Concierge and Selecting an Aircraft:

- 1) With the iOS device paired to the Flight Stream 510, tap **Home** >  > **Database Concierge**.
- 2) Tap **Enable Database Concierge**.
- 3) Verify that Garmin Pilot is showing the correct aircraft and aircraft device.
- 4) Tap **Continue**.
- 5) If desired, tap to disable Auto-Download Database Updates or Delete Downloads After Installation. Tap **Continue**.
- 6) Tap **Accept** on the database license agreement.

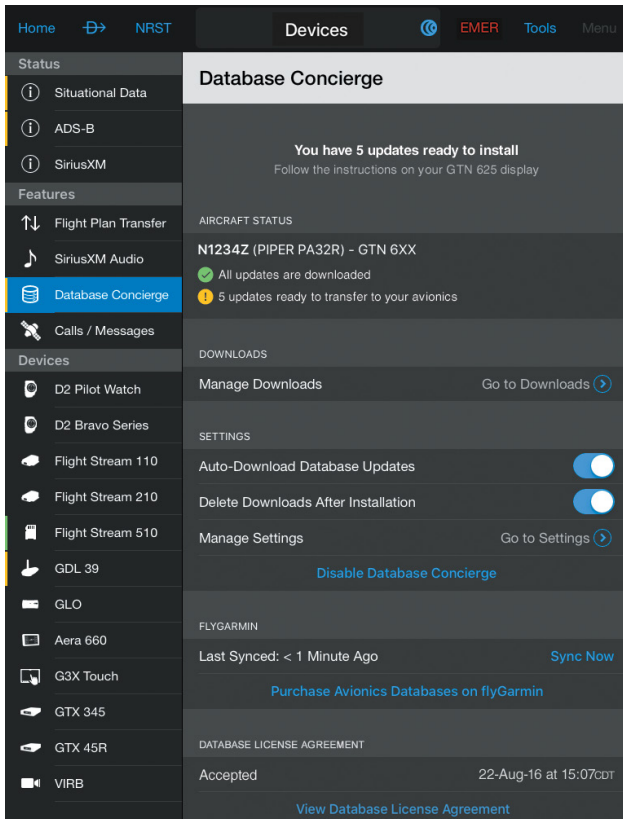
Database information will automatically download once Database Concierge has at least one aircraft with a compatible Garmin navigator. Database Concierge will automatically check for updates when the Garmin Pilot device is connected to the internet. Verify that Auto-Download Database Updates switch is On to enable automatic downloading.

## Managing the GTN Navigator Downloads:

From any screen, tap **Home** >  > **Database Concierge** > **Manage Downloads**.


Or:

From any screen, tap **Home** >  > **Database Concierge Downloads**.



Database Concierge

### Installing Downloaded Updates on a GTN Navigator:

- 1) Power on aircraft avionics.
- 2) The GTN navigator detects Flight Stream 510. The Flight Stream's Wi-Fi network is shown on the navigator screen.
- 3) On the iOS device, connect to the indicated Wi-Fi network.
- 4) On the iOS device, start Garmin Pilot and tap **Home** >  > **Database Concierge**.
- 5) The GTN navigator shows detected updates. Tap the **Start** button to begin updating.

The screenshot shows the 'Incoming Databases from Flight Stream Card. Start Transfer and Update?' screen. It lists several databases with their update cycles and status:

- Navigation Database:** Incoming Cycle: 1609, Pre-loading next cycle. Status:
- Airport Directory Database:** Incoming Cycle: 16M2, Not used by GTN, database w. Status:
- Obstacle Database:** Incoming Cycle: 16B5, Active database will be updated. Status:
- SafeTaxi Database:** Incoming Cycle: 16S5, Active database will be updated. Status:
- FliteCharts Database:** Incoming Cycle: 1608, Active database will be updated. Status:

A 'WiFi Info' popup is displayed in the center, showing:

**WiFi Info**  
 Network: FS510-GTN725  
 Password: connected

At the bottom of the screen, there are buttons for 'Cancel', 'Select None', and 'WiFi Info'. A callout box points to the 'WiFi Info' button with the text: 'Tap to View WiFi Network & Password'. The bottom status bar shows 'TERM', 'GPS', and 'Com Freq / Psh Enter'.

### Database Concierge Updates On GTN 750


## Installing Downloaded Updates on to G1000 NXi:



**NOTE:** NXi will only provide a WiFi connection if new databases have been detected for download on Garmin Pilot via a valid Bluetooth connection. If there are no database updates required NXi will not provide a WiFi signal.



**NOTE:** If the iOS device has previously connected to the FS510, and is not connected to another WiFi source, the iOS device should connect automatically to the FS510. If the iOS device is connected to another WiFi source (e.g. hangar wifi), then the FS510 will not connect automatically. If connectivity issues reappear, it may be necessary to "Forget" nearby WiFi networks to prevent iOS from switching between WiFi networks during the database transfer.

- 1) Insert the Flight Stream 510 SD Card in the bottom slot of the MFD if not already installed.
- 2) Power on aircraft avionics.
- 3) On the iOS device, start Garmin Pilot and tap **Home** >  > **Database Concierge**.
- 4) On the iOS device, connect via Bluetooth to the Flight Stream 510.
- 5) Turn the large **FMS** Knob and select Aux.
- 6) Turn the small **FMS** Knob and select Devices Setup.
- 7) Ensure that **WiFi Database Import** is **Enabled** on the Devices Setup page.
- 8) Verify the iOS device is connected via Bluetooth.
- 9) On the iOS device, connect to the indicated SSID Wi-Fi network on the **Aux** > **Devices Setup** page.
- 10) The G1000 NXi shows detected updates on a pop up box on the lower right corner of the **MFD** screen. Press the **Update** softkey to begin updating.



- 11) Database update status can be monitored on the **Database** page or on **Database Concierge** within the Garmin Pilot app.
- 12) Once the database transfers are complete the system will display a prompt to restart the avionics to finish the database transfer process.



**NOTE:** *The Restart soft key is only enabled when the aircraft is on the ground with engines not running.*

- 13) Press the **Restart** softkey.  
**Or:**  
 Cycle the avionics power.
- 14) Verify the databases are current on the systems start-up screen or via the **Aux Databases** page.

Bluetooth Status



WiFi Status

Database Concierge Updates Available as Shown on G1000 NXi


## Installing Downloaded Updates on to G3000/5000 with GDU Software 20.60 or later:



**NOTE:** G3000/5000 will only provide a WiFi connection if new databases have been detected for download on Garmin Pilot via a valid Bluetooth connection. If there are no database updates required, the G3000/5000 will not provide a WiFi signal.



**NOTE:** If the iOS device has previously connected to the FS510, and is not connected to another WiFi source, the iOS device should connect automatically to the FS510. If the iOS device is connected to another WiFi source (e.g. hangar wifi), then the FS510 will not connect automatically. If connectivity issues remain, it may be necessary to "Forget" nearby WiFi networks to prevent iOS from switching between WiFi networks during the database transfer.

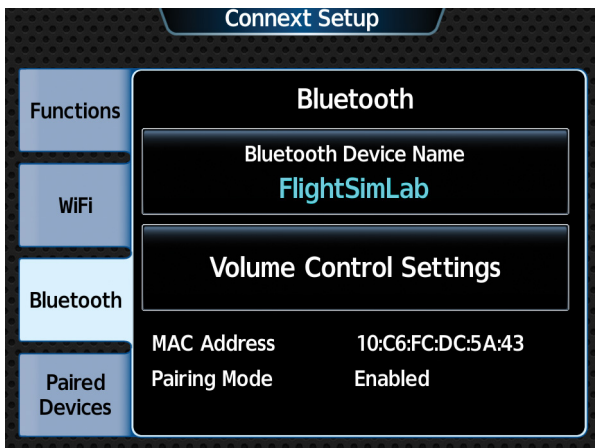
- 1) Power on aircraft avionics.
- 2) From **Home** on the Touchscreen Controller, touch **Utilities** > **Setup** > **Devices Setup**.
- 3) Tap the **Functions** tab to ensure the **WiFi Database Import** is **Enabled** on the **Devices Setup** screen.
- 4) On the iOS device, connect via Bluetooth to the Flight Stream 510.
- 5) On the iOS device, start Garmin Pilot and tap **Home** >  > **Database Concierge**.
  - a) With a Garmin Pilot database ready to be uploaded, the G3000/5000 Devices message icon will flash.
  - b) Tap the Devices message icon.
  - c) Tap the Devices database message, which should read that database(s) are ready to upload.
  - d) The 'Start Transfer' button will now be highlighted. Touch the **Start Transfer** button on the **Database Status** screen.

**Or:**

- 6) From the **Home** screen, touch **Utilities > Setup > Database Status > Device/Active Database(s)** until Active Databases is displayed.
- 7) The 'Start Transfer' button will now be highlighted. Touch the **Start Transfer** button on the **Database Status** screen.
- 8) On the iOS device, connect to the indicated SSID Wi-Fi network on the **Devices Setup** screen.
- 9) The database update status will appear in the status window at the top of the page. The load is complete when 'Databases Ready' is displayed.
- 10) A cyan double arrow will appear between the Standby and Active columns to show which standby databases will be transferred to Active at the next power cycle.
- 11) Database update status can be monitored on the **Database Status** screen or on **Database Concierge** within the Garmin Pilot app.
- 12) Once the database transfers are complete, the system will display a prompt to restart the avionics on the ground to finish the database transfer process.
- 13) Verify the databases are current on the **Database Status** screen or on the **Detailed Database Information** screen.



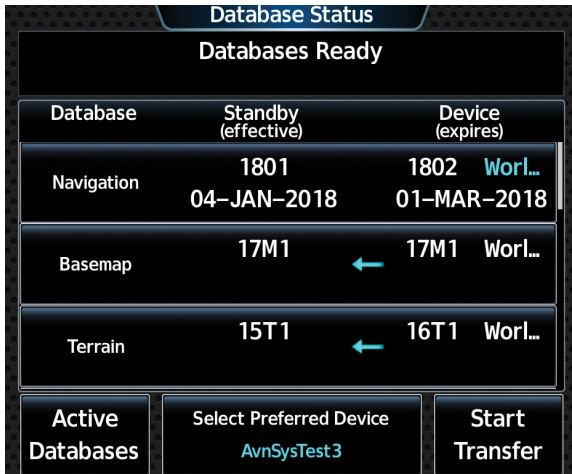
Devices Setup Page as Shown on G3000/5000



Bluetooth Setup Page as Shown on G3000/5000



WiFi Setup Page as Shown on G3000/5000



Database Concierge Updates Available as Shown on G3000/5000

Database Status		
Databases Ready		
Activate databases with on ground restart.		
Database	Standby (effective)	Active (expires)
Navigation	1802 01-FEB-2018	↔ 1801 01-FEB-2018
Basemap	16M1	↔ 15M1
Terrain	16T1	↔ 15T1

Device Databases	Select Preferred Device AvnSysTest3	Start Transfer
------------------	----------------------------------------	----------------

Databases Transfer Complete Status as Shown on G3000/5000



## WIRELESS JEPPESEN CHART TRANSFER

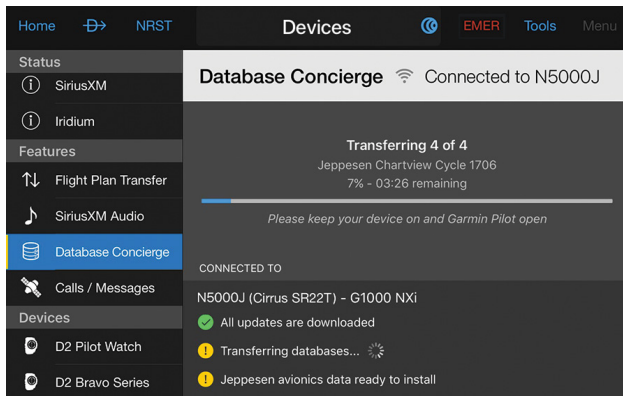
Flight Stream 510 uses Bluetooth technology to transfer Jeppesen chart information between Garmin Pilot and the GTN 650/750 and G1000 NXi.

### Sending a Jeppesen Chart From Garmin Pilot to a Display Unit:



**NOTE:** Ensure the Flight Stream 510 is paired to an iOS device.

- 1) Configure the aircraft, device system ID, and tail number within **flyGarmin**.
- 2) From any screen, tap **Home** > .
- 3) Tap the **Jeppesen** tab and login into an active Jeppesen account.
- 4) Tap **Downloads > Jeppesen Charts Downloads** and download Jeppesen charts into Garmin Pilot.
- 5) Connect Garmin Pilot to the Flight Stream 510.
- 6) Tap  > **Database Concierge**.
- 7) Tap **Transfer Jeppesen Charts** tab to transfer the Jeppesen Chart to the airplane's avionics. Verify the **Transfer Jeppesen Charts** switch is On to enable transfer.



### Jeppesen Chart Wireless Transfer

## G3X TOUCH

---



**NOTE:** Interfacing with iOS devices requires a Devices configuration module for proper Bluetooth operation. Without this configuration module the G3X Touch/ Garmin Pilot authentication will not complete. Refer to the G3X Touch Installation Manual for more information.

---



**NOTE:** In a multiple display G3X Touch system, Devices Bluetooth connections to Garmin Pilot devices should only be made to the PFD1.

---



**NOTE:** One or two devices running Garmin Pilot may be connected as shown below. Due to the wide variability of these devices, the best user experience may, in some cases, be limited to a single mobile device connected to the system components.

---

The G3X Touch is a large-format flight display with a wireless Bluetooth gateway that can be used to enable bi-directional communication between the G3X Touch and Garmin Pilot.

Pairing an iOS device with G3X Touch enables the following communication between G3X Touch and Garmin Pilot:

- Wireless transfer of flight plans to/from an iOS device (using Garmin Pilot) to the G3X Touch.
- An iOS device (with Garmin Pilot) paired with both a G3X Touch and GDL 39/39R, shares GPS, attitude, traffic, and weather data.

### Devices Bluetooth pairing recommendations:

- Only use the Bluetooth interface on PFD1 for Devices data sharing with iOS devices using Garmin Pilot.
- Do not attempt to pair the G3X Touch displays to each other in a multiple display installation.
- Turn off any display's Bluetooth transceiver which is not in use.

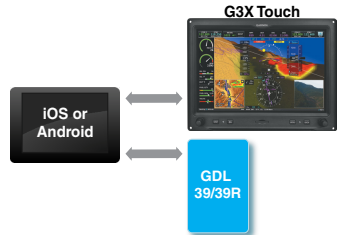


**Devices Bluetooth Supported Configurations**

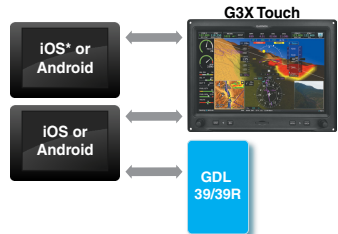
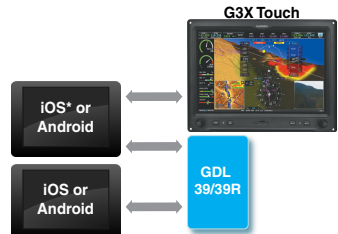
One or two Android or iOS devices may be connected to the G3X Touch



One Android or iOS\* device may be connected to both a GDL 39/39R and a G3X Touch.




A second Android or iOS\* device may be connected to either the GDL 39/39R or the G3X Touch, but not both.

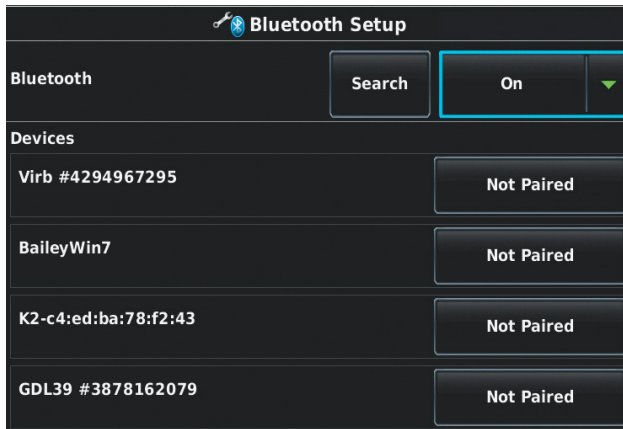


## Pairing an iOS device with the G3X Touch:



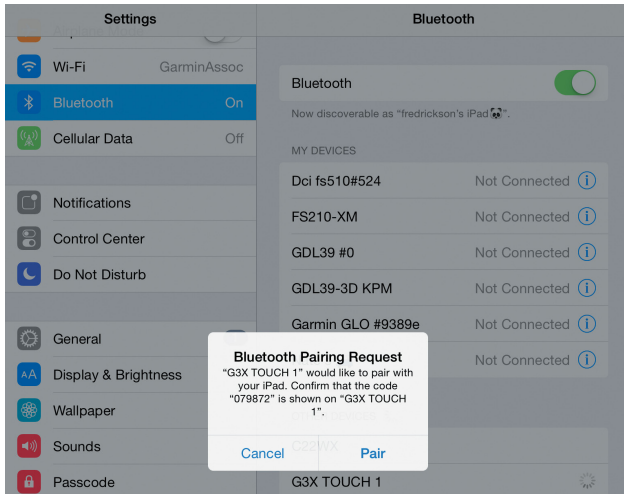
**NOTE:** Bluetooth pairing to the G3X Touch may be established from the iOS settings page with the G3X Touch Bluetooth Setup Page selected and visible.

- 1) Power on the iOS device and ensure Bluetooth<sup>®</sup> is turned on in Settings.
- 2) Refer to the iOS device's documentation for instructions on making the device discoverable.
- 3) Refer to the iOS device's documentation for instructions on finding the device name. Take note of the device name as it will be used in step 6.
- 4) From the G3X Touch, tap **MENU > Setup > Bluetooth**.
- 5) If Bluetooth is set to **Off** on the G3X Touch, tap the **Bluetooth**  > **On**. The G3X Touch will begin searching for devices.
- 6) When the G3X Touch has completed the search for available devices, tap **Not Paired** next to the iOS device to be paired.



G3X Touch Bluetooth Setup Page

- 7) The first time a device is paired, a Bluetooth Pairing Request may be displayed to confirm the pairing. Tap **Pair** on the iOS device to confirm the passkey is displayed on the G3X Touch.



iOS Settings Page

- 8) Tap **OK** on the G3X Touch. When the device is paired, **Connected** is displayed next to the device.



**NOTE:** Once an iOS device is initially paired to the G3X Touch, the Bluetooth connection is automatic each time both devices are powered up.

## TROUBLESHOOTING G3X TOUCH

If a Bluetooth connection cannot be established, it may be necessary to remove the G3X Touch from the list of available devices on the iOS device and repeat the pairing instructions.

### Removing G3X Touch from the list of available devices:

- 1) On the iOS device, go to **Settings** > **Bluetooth**. Ensure Bluetooth is **On**.
- 2) In the list of devices, tap the ⓘ symbol next to the G3X Touch.
- 3) Tap **Forget this Device**.
- 4) Repeat the pairing instructions.

## SITUATIONAL DATA

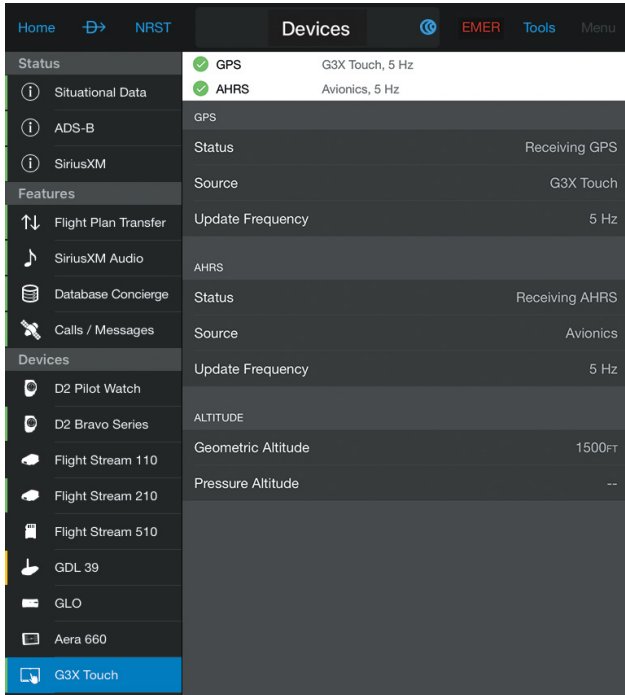
When paired with the G3X Touch, Garmin Pilot has access to the same GPS information utilized by the G3X Touch. In addition, the G3X Touch shares attitude information to the Garmin Pilot's synthetic vision and panel displays.

## Viewing G3X Touch situational data:



**NOTE:** Ensure the G3X Touch is paired to an iOS device.

- 1) From any screen, tap **Home** > 
- 2) Tap the **Situational Data** Tab.



G3X Touch - Devices Page - Situational Data Tab

## AHRS AND ALTITUDE INFORMATION (G3X TOUCH)

When connected to the G3X Touch, Garmin Pilot will display a backup Attitude Indicator, Ground Speed, Altimeter, HSI, and VSI on the Panel. 'Pitch' and 'Roll' become available options for the Nav Bar on the Map Pane, and Navigation Data on the Panel.




## WIRELESS FLIGHT PLAN TRANSFER (G3X TOUCH)

G3X Touch uses Bluetooth technology to transfer flight plan information between Garmin Pilot and the G3X Touch.

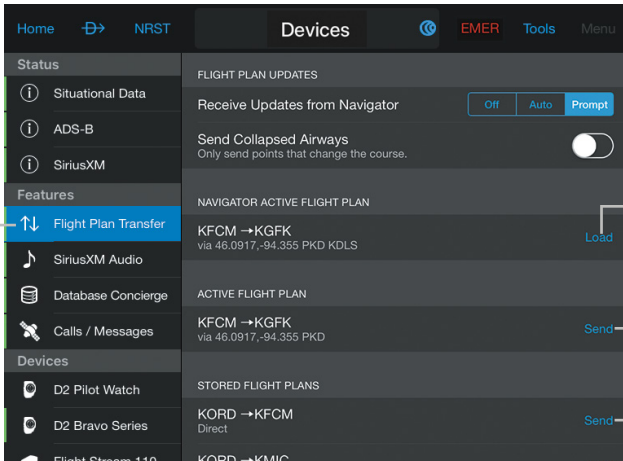
### Sending a flight plan from Garmin Pilot to the G3X Touch:



**NOTE:** Ensure the G3X Touch is paired to an iOS device.

- 1) From any screen, tap **Home** > 
- 2) Tap the **Flight Plan Transfer** Tab.
- 3) Tap **Send**.

*Flight Plan Transfer Tab*



*Tap to Load Flight Plan to Navigator*

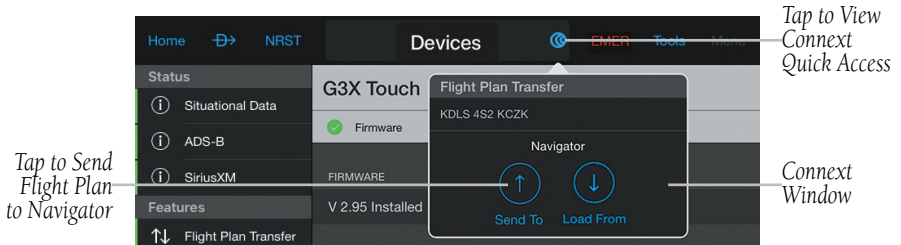
*Tap to Send Active Flight Plan to Navigator*

*Tap to Send Stored Flight Plans to Navigator*

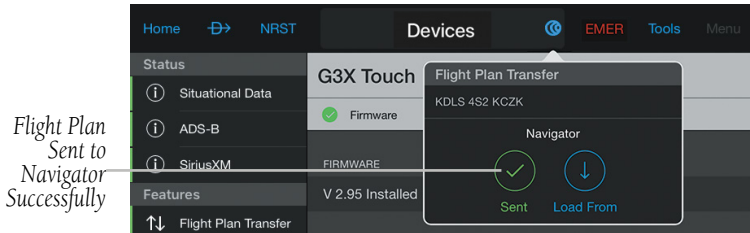
**Devices Page - Flight Plan Transfer Tab**

Or:

- 1) From any screen tap to display the Devices Quick Access.
- 2) Tap **Send To** .
- 3) **Sent** is displayed momentarily.



Devices Window



Flight Plan Sent to G3X Touch

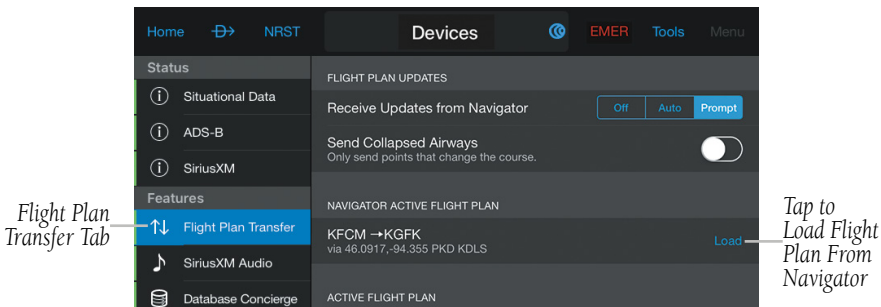
### Loading a flight plan from the G3X Touch to Garmin Pilot:



**NOTE:** Ensure the G3X Touch is paired to an iOS device.

- 1) From any screen, tap **Home** >
- 2) Tap the **Flight Plan Transfer** Tab.
- 3) Tap **Load**.





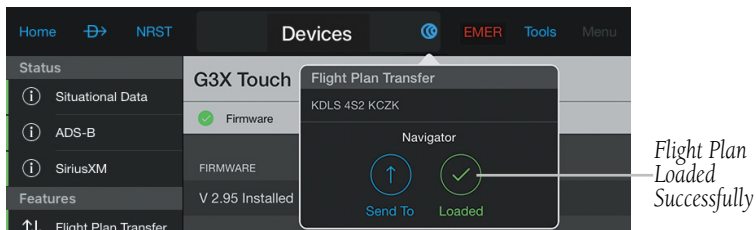
Devices Page - Flight Plan Transfer Tab

Or:

- 1) From any screen, tap to display the Devices Quick Access.
- 2) Tap **Load From** .
- 3) **Loaded** is displayed momentarily.




Devices Window



Flight Plan Loaded From G3X Touch

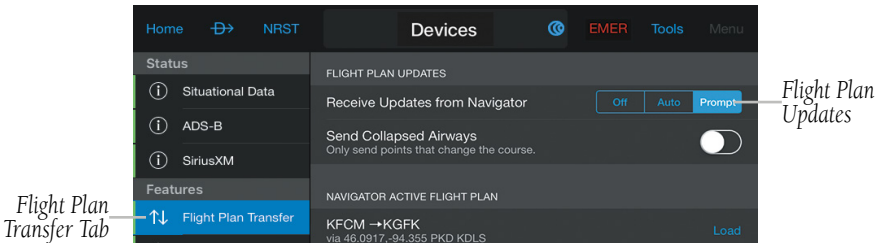
### Receiving flight plan updates from a display unit:

- 1) From any screen, tap **Home** >  .
- 2) Tap the **Flight Plan Transfer** Tab.
- 3) Tap **Off**, **Auto**, or **Prompt**.

**Off:** Flight plan updates are not received from navigator.

**Auto:** Flight plan changes made on the navigator are automatically activated in Garmin Pilot.

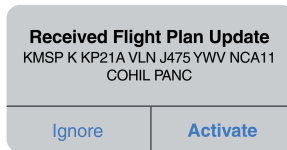
**Prompt:** A prompt is displayed allowing the flight plan update to be activated or ignored.



Devices Page - Flight Plan Transfer Tab

### Activating/ignoring flight plan updates from a display unit:

Tap **Ignore** or **Activate** when the Flight Plan Update Window appears.



Flight Plan Update Window

## GPS 175/GNX 375/GNC 355

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The GPS 175, GNX 375, and GNC 355 are 2" by 6.25" panel mount navigators with full color capacitive touchscreen technology.

The GPS 175 is a GPS/WAAS navigator with en route, terminal, and precision/non-precision approach capabilities. The GNX 375 combines the functionality of the GPS 175 with a mode S transponder. The GNC 355 is a GPS navigator with LPV approach capabilities and a 10W Comm radio for Part 23 Class I/II and experimental/amateur-built aircraft.

Each unit is Bluetooth compatible, providing flight plan, traffic, weather, and position data to an available portable device.

### Pairing an iOS device with the GPS 175/GNX 375/GNC 355:

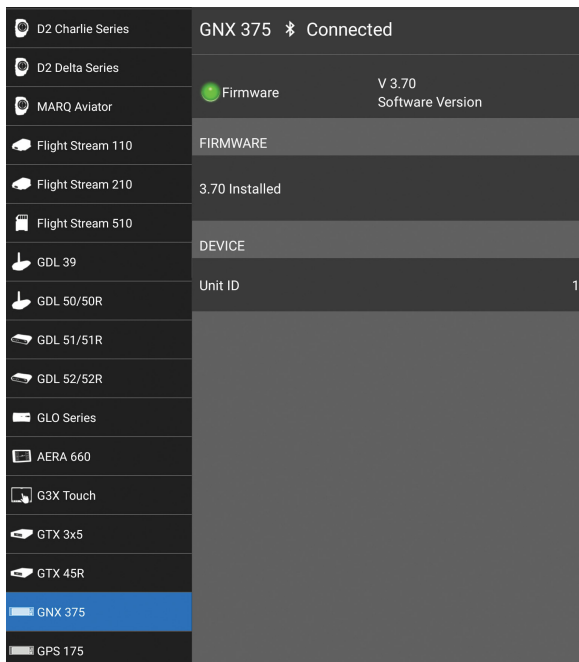
- 1) Power on the iPad and ensure Bluetooth® is turned on in Settings.
- 2) Refer to the iOS documentation for instructions on making the device discoverable.
- 3) Refer to the iOS documentation for instructions on finding the device name. Take note of the device name as it is used in step 6.
- 4) From the GPS 175/GNX 375/GNC 355 touch **Setup** > **Bluetooth** > **On**.
- 5) When the GPS 175/GNX 375/GNC 355 has completed the search for available devices, touch **Not Paired** next to the iPad to be paired.
- 6) The first time a device is paired, a Bluetooth Pairing Request may be displayed to confirm what device to pair with. Tap **Pair** on the iPad to confirm the passkey is displayed on the GPS 175/GNX 375/GNC 355.
- 7) Touch **OK** on the GPS 175/GNX375/GNC 355. When the device is paired, **Connected** is displayed next to the device.



---

**NOTE:** Once an iPad is initially paired to the GPS 175, GNX 375, or GNC 355, the Bluetooth connection is automatic each time both devices are powered up.

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Devices Page - GNX 375

## TROUBLESHOOTING GPS 175/GNX 375/GNC 355

If a Bluetooth connection cannot be established, it may be necessary to remove the GPS 175/GNX 375/GNC 355 from the list of available devices on the iOS device and repeat the pairing instructions.

### Removing GPS 175/GNX 375/GNC 355 from the list of available devices:

- 1) On the iOS device, go to **Settings** > **Bluetooth**. Ensure Bluetooth is **On**.
- 2) In the list of devices, tap the  symbol next to the GPS 175/GNX 375/GNC 355.
- 3) Tap **Forget this Device**.
- 4) Repeat the pairing instructions.

## SITUATIONAL DATA

When paired with the GPS 175/GNX 375/GNC 355, Garmin Pilot will use the GPS position data from the hardware. In addition, the GPS 175/GNX 375/GNC 355 shares attitude and altitude information to the Garmin Pilot displays.

### Viewing situational data:



**NOTE:** Ensure the GPS 175/GNX 375/GNC 355 is paired to an iOS device.

- 1) From Garmin Pilot, touch **Menu** >
- 2) Touch the **Situational Data** Tab.



Status	GPS	GPS 175
Situational Data	AHRS	GPS 175
ADS-B		
SiriusXM	GPS	
Iridium	Status	Receiving GPS
Features	Source	GPS 175
Flight Plan Transfer	Update Frequency	5 Hz
SiriusXM Audio	AHRS	
Database Concierge	Status	Receiving AHRS
Devices	Source	GPS 175
D2 Pilot Watch	Update Frequency	5 Hz
D2 Bravo Series		
D2 Charlie Series	ALTITUDE	
D2 Delta Series	Geometric Altitude	5000 ft

Devices Page - GPS 175

## AHRS AND ALTITUDE INFORMATION

When connected to the GPS 175/GNX 375/GNC 355, Garmin Pilot will display GPS derived backup Attitude Indicator, Altimeter, VSI, HSI, and Ground Speed on the Panel. 'Pitch' and 'Roll' become available Nav Bar options on the Map Pane.



Panel - GPS 175/GNX 375/GNC 355 Connected

## ADS-B

A GPS 175/GNX 375/GNC 355 with a compatible ADS-B device hardwired or connected via Bluetooth, traffic and FIS-B weather information are available by pairing an iOS device directly to the compatible ADS-B device.

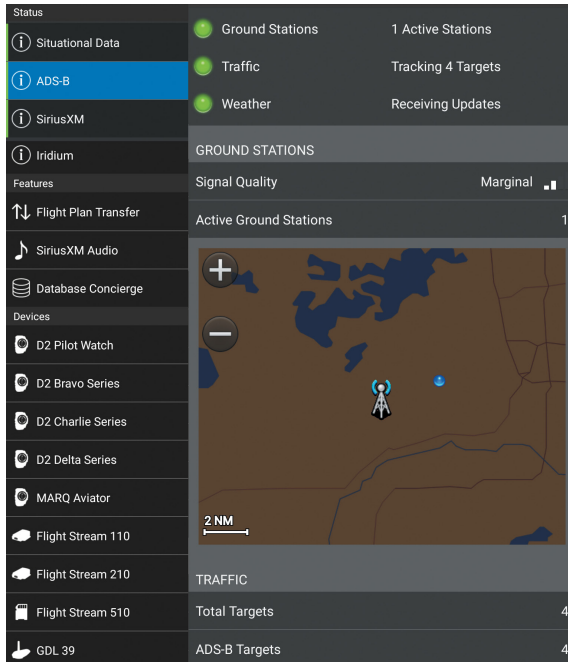
### Viewing ADS-B traffic and weather data:



**NOTE:** Ensure the GPS 175/GNX 375/GNC 355 and the compatible ADS-B device are paired to an iOS device.

- 1) From anywhere in Garmin Pilot, touch **Home** >
- 2) Touch the **ADS-B** Tab.





Devices Page - ADS-B

## WIRELESS FLIGHT PLAN TRANSFER


GPS 175/GNX 375/GNC 355 uses Bluetooth technology to transfer flight plan information between Garmin Pilot and the GPS 175/GNX 375/GNC 355.

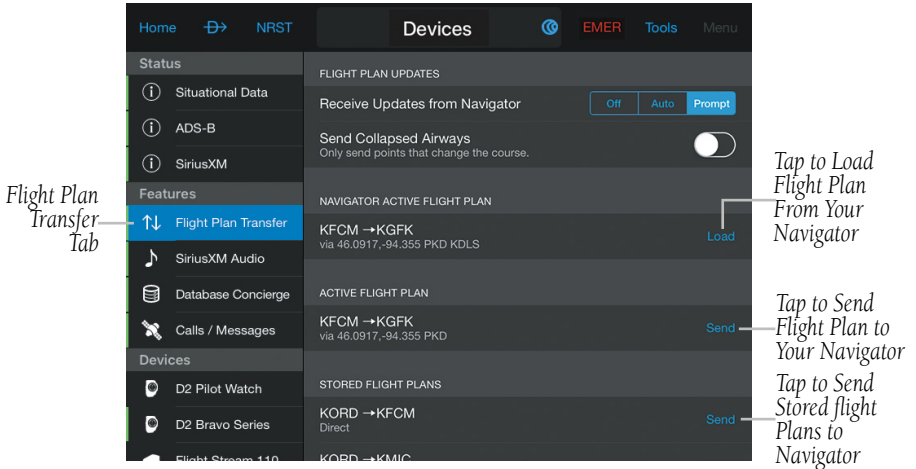
### Sending a flight plan from Garmin Pilot:



**NOTE:** Ensure the GPS 175/GNX 375/GNC 355 is paired to an iOS device.






- 1) From Garmin Pilot, touch **Home** > .
- 2) Touch the **Flight Plan Transfer** Tab.
- 3) Touch **Send**.



**Devices Page - Flight Plan Transfer Tab**

**Or:**

- 1) From anywhere in Garmin Pilot, touch  to display the Devices Window.
- 2) Touch **Send To** .
- 3) **Sent**  is displayed.




## Loading a flight plan from the GPS 175/GNX 375/GNC 355 to Garmin Pilot:

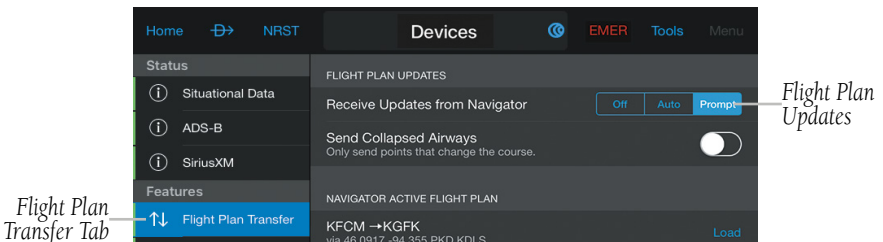


**NOTE:** Ensure the GPS 175/GNX 375/GNC 355 is paired to an Android device.

- 1) From Garmin Pilot, touch **Home** > .
- 2) Touch the **Flight Plan Transfer** Tab.
- 3) Touch **Load**.


**Or:**

- 1) From Garmin Pilot, touch  to display the Devices Window.
- 2) Touch **Load From** .
- 3) **Loaded**  is displayed.



Devices Page - Flight Plan Transfer Tab

## Receiving flight plan updates from a GPS 175/GNX 375/GNC 355:

- 1) From Garmin Pilot, touch **Home** > .
- 2) Touch the **Flight Plan Transfer** Tab.
- 3) Touch **Off**, **Auto**, or **Prompt**.

## Activating/Ignoring flight plan updates from a GPS 175/GNX 375/ GNC 355:

Touch **Ignore** or **Activate** when the Flight Plan Update Window appears.

## AERA 660

The aera 660 is a handheld touchscreen GPS navigator. Pairing an iPad with an aera 660 enables wireless transfer of flight plans to/from the device and Garmin Pilot.


### Pairing an iOS device with the aera 660:



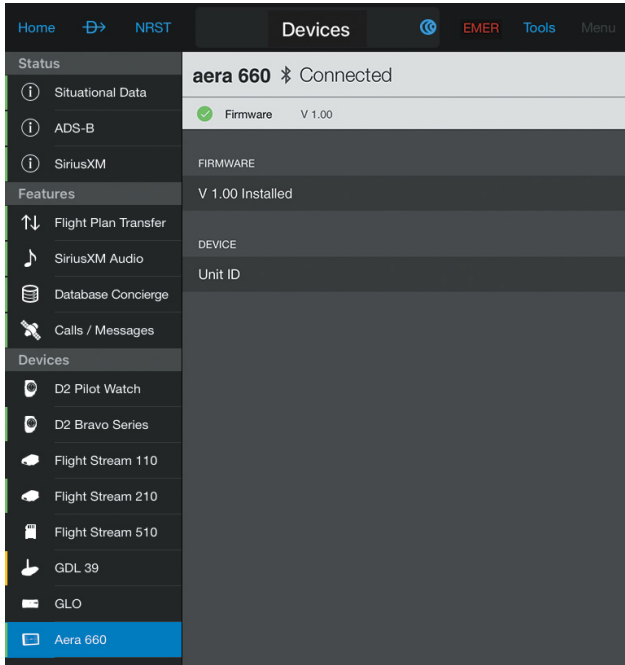
**NOTE:** Bluetooth pairing to the aera 660 may be established from the iPad with the aera 660 Bluetooth Setup Page selected and visible.



**NOTE:** Once an iPad is initially paired to the aera 660, the Bluetooth connection is automatic each time both devices are powered up.

- 1) Power on the iPad and ensure Bluetooth<sup>®</sup> is turned on in Settings.
- 2) Refer to the iOS documentation for instructions on making the device discoverable.
- 3) Refer to the iOS documentation for instructions on finding the device name. Take note of the device name as it is used in step 6.
- 4) From the aera 660, touch **Setup > Bluetooth**.
- 5) If Bluetooth is set to **Off** on the aera 660, touch the **Bluetooth**  **>** **On**. The aera 660 will begin searching for devices.
- 6) When the aera 660 has completed the search for available devices, touch **Not Paired** next to the iPad to be paired.
- 7) The first time a device is paired, a Bluetooth Pairing Request may be displayed to confirm what device to pair with. Tap **Pair** on the iPad to confirm the passkey is displayed on the aera 660.

- 8) Touch **OK** on the aera 660. When the device is paired, **Connected** is displayed next to the device.



Devices Page - aera 660 Tab

## TROUBLESHOOTING AERA 660

If a Bluetooth connection cannot be established, it may be necessary to remove the aera 660 from the list of available devices on the iOS device and repeat the pairing instructions.

### Removing aera 660 from the list of available devices:

- 1) On the iPad, go to **Settings > Bluetooth**. Ensure Bluetooth is **On**.
- 2) In the list of devices, tap the **i** next to the aera 660.
- 3) Tap **Forget**. Repeat pairing instructions.

## WIRELESS FLIGHT PLAN TRANSFER (AERA 660)

aera 660 uses Bluetooth technology to transfer flight plan information between Garmin Pilot and the aera 660.

### Sending a flight plan from Garmin Pilot to the aera 660:

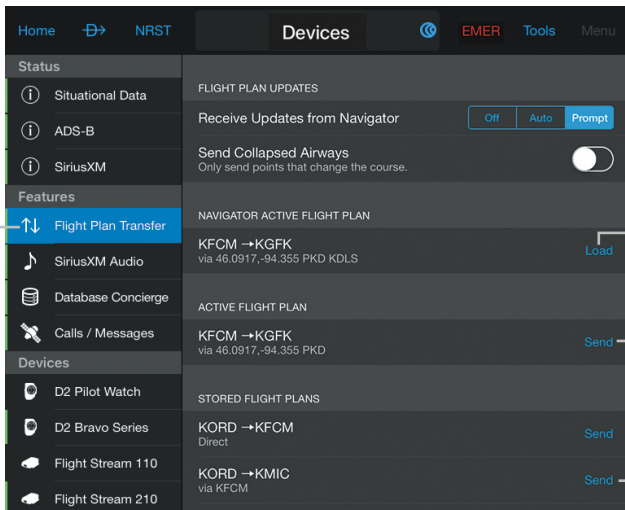


**NOTE:** Ensure the aera 660 is paired to an iOS device.

- 1) From anywhere in Garmin Pilot, tap **Home** >
- 2) Tap the **Flight Plan Transfer** Tab.
- 3) Tap **Send**.



Flight Plan Transfer Tab



Tap to Load Flight Plan From Navigator

Tap to Send Flight Plan to Navigator

Tap to Send Stored Flight Plans to Navigator

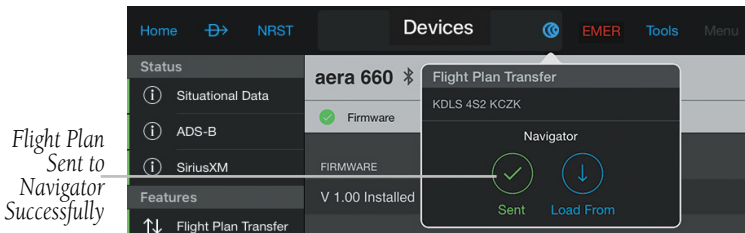
Devices Page - Flight Plan Transfer Tab

Or:

- 1) From any screen tap to display the Devices Quick Access.
- 2) Tap **Send To** .
- 3) **Sent** is displayed.



## Devices Quick Access



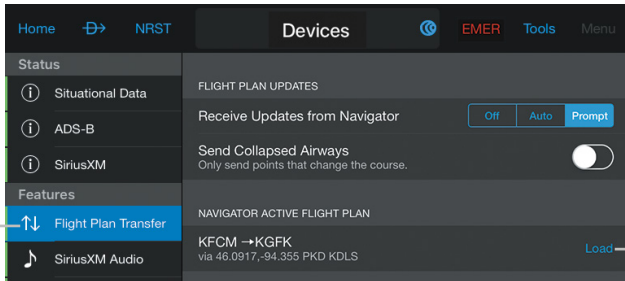
## Flight Plan Sent to aera 660

## Loading a flight plan from the aera 660 to Garmin Pilot:



**NOTE:** Ensure the aera 660 is paired to an iOS device.

- 1) From any screen, tap **Home** > .
- 2) Tap the **Flight Plan Transfer** Tab.
- 3) Tap **Load**.



Flight Plan Transfer Tab

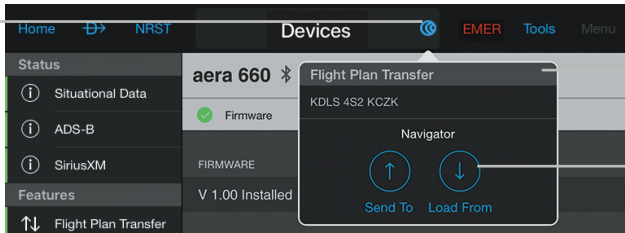
Tap to Load Flight Plan From Navigator

Devices Page - Flight Plan Transfer Tab

Or:

- 1) From any screen, tap to display the Devices Window.
- 2) Tap **Load From** .
- 3) **Loaded** is displayed.

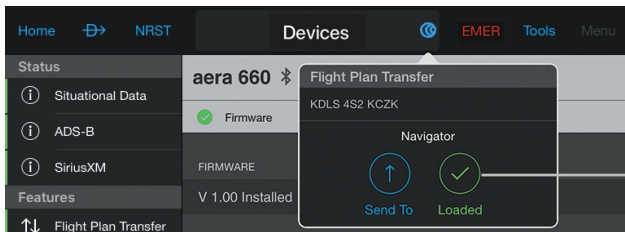
Tap to View Devices Window



Devices Window

Tap to Load Flight Plan From Navigator


Devices Window



Flight Plan Loaded Successfully

Flight Plan Loaded From aera 660

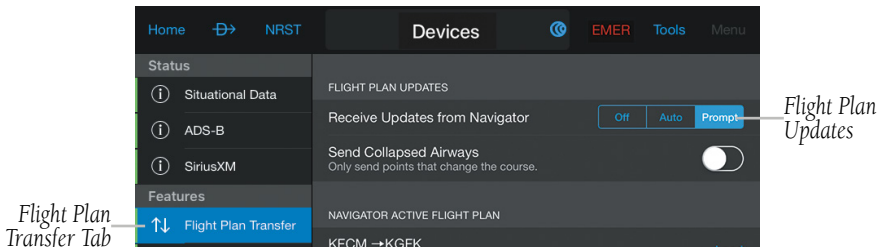
## Receiving flight plan updates from a handheld navigator:

- 1) From any screen, tap **Home** > .
- 2) Tap the **Flight Plan Transfer** Tab.
- 3) Tap **Off**, **Auto**, or **Prompt**.

**Off:** Flight plan updates are not received from navigator.

**Auto:** Flight plan changes made on the navigator are automatically activated in Garmin Pilot.

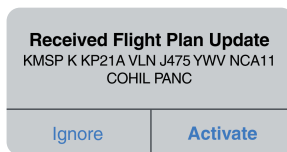
**Prompt:** A prompt is displayed allowing the flight plan update to be activated or ignored.



Devices Page - Flight Plan Transfer Tab

## Activating/ignoring flight plan updates from a display unit:

Tap **Ignore** or **Activate** when the Flight Plan Update Window appears.



Flight Plan Update Window



## GTX 345 AND GTX 45R

The GTX 345 and GTX 45R are Bluetooth® enabled all-in-one ADS-B transponders with on-board GPS, 978 MHz (Universal Access Transceiver), and Extended Squitter receiver, supporting ADS-B Out and dual-link ADS-B In. They are designed to receive, process, and output traffic (ADS-B air-to-air and Traffic Information Service-Broadcast (TIS-B) traffic information) and weather (Flight Information Service-Broadcast (FIS-B)) information to Garmin Pilot wirelessly through Bluetooth®. The Traffic information includes the number and source (e.g., ADS-B air-to-air, or TIS-B) of traffic the device is currently tracking. The Weather information provides the age of weather products received through (FIS-B).

The GTX 345 and GTX 45R also have pressure altitude sensors to aid in displaying the relative altitude of received traffic information. If these devices are used onboard a pressurized aircraft the pressure altitude sensor should be turned off.

### Pairing an iOS device with the GTX 345:

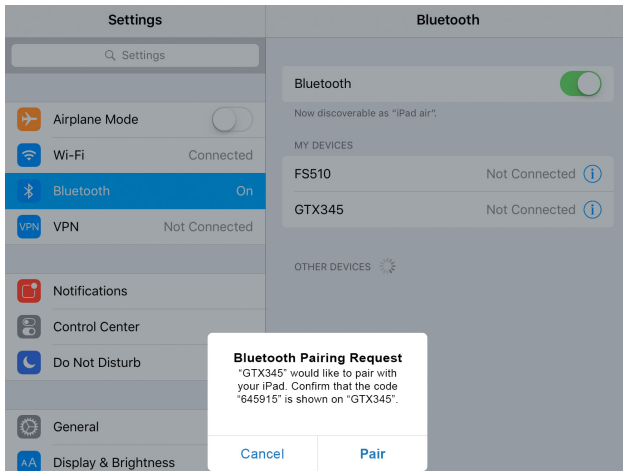
- 1) From the GTX 345, press the **FUNC** Key until "SYS" is selected.
- 2) Press the up and down arrow keys (8 and 9 respectively) until "BLUETOOTH" is selected.
- 3) Press the **CRSR** key to highlight "ON/OFF."
- 4) Use the up and down arrow keys to select "ON."
- 5) On the iOS device, ensure Bluetooth is enabled in **Settings > Bluetooth**.
- 6) Tap the GTX device in list of available Bluetooth devices.
- 7) A Bluetooth Pairing Request may be displayed to confirm the pairing. Tap **Pair** on the iOS device to confirm the passkey is displayed on the GTX 345.
- 8) On the GTX 345, press the **ENT** Key to accept the pairing.

## Pairing an iOS device with the GTX 45R:

- 1) Power on your GTX 45R with your aircraft avionics.
- 2) Enable Bluetooth pairing mode using the instructions in the GTX 45R Pilot's Guide.
- 3) Power on the iOS device. Ensure Bluetooth is enabled in **Settings > Bluetooth**.
- 4) Tap the GTX 45R device in list of available Bluetooth devices.



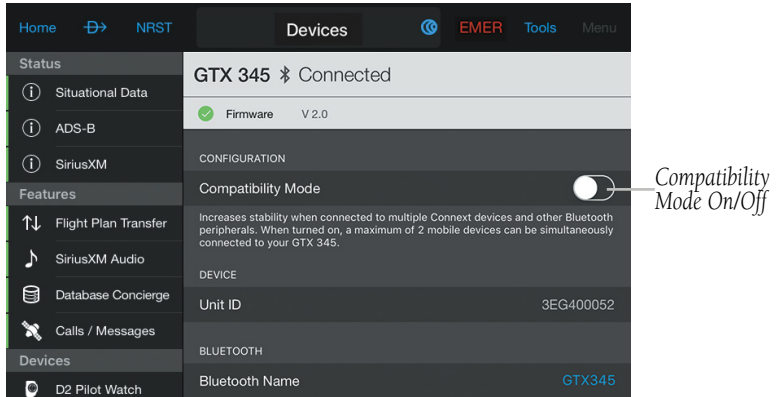
**NOTE:** Once an iOS device is initially paired to a GTX 345 or GTX 45R, the Bluetooth connection is automatic each time both devices are powered up.



iOS Settings Page

## COMPATIBILITY MODE

Enabling Compatibility Mode will limit GTX 345 and GTX 45R devices to connect to two Bluetooth devices, and will improve Bluetooth connectivity to those devices.



Devices Page - GTX 345 Tab

## GI 275

The GI 275 is an electronic flight instrument that directly replaces legacy primary flight instruments in the cockpit. The GI 275 is suitable as a direct replacement for a variety of instruments, including an attitude indicator, attitude directional indicator (ADI), course deviation indicator (CDI), horizontal situation indicator (HSI), multi-function display (MFD) and engine indication system (EIS). Capable of serving as a 4-in-1 flight instrument with attitude, airspeed, altitude, and heading information, the GI 275 can also be installed as a standby to a number of glass flight displays and is available with a 60-minute backup battery.

The GI 275 boasts a standard 3.125" form factor and rear-mount design that minimizes panel modification. Several variants of the GI 275 are available to meet the needs of many business and general aviation aircraft models. Units can be configured in many different ways to display flight plan, traffic, terrain, weather, and position data to an available portable device thanks to Bluetooth connectivity. For additional information, please refer to the GI 275 Pilot's Guide.



GI 275 - ADI

## STRATUX INTEGRATION

When properly configured and paired, Garmin Pilot will display ADS-B weather and traffic information, backup attitude and GPS position from the Stratux.

### Pairing Stratux with Garmin Pilot:

- 1) Power On the Stratux.
- 2) On the iOS device, go to **Settings** and ensure Wi-Fi is enabled.
- 3) Select the Stratux to pair the device with Garmin Pilot.



ADS-B Equipment - Stratux

## BAD ELF GPS

When properly configured and paired, the Bad Elf GPS will provide position data to Garmin Pilot.

### Pairing Bad Elf GPS with Garmin Pilot:

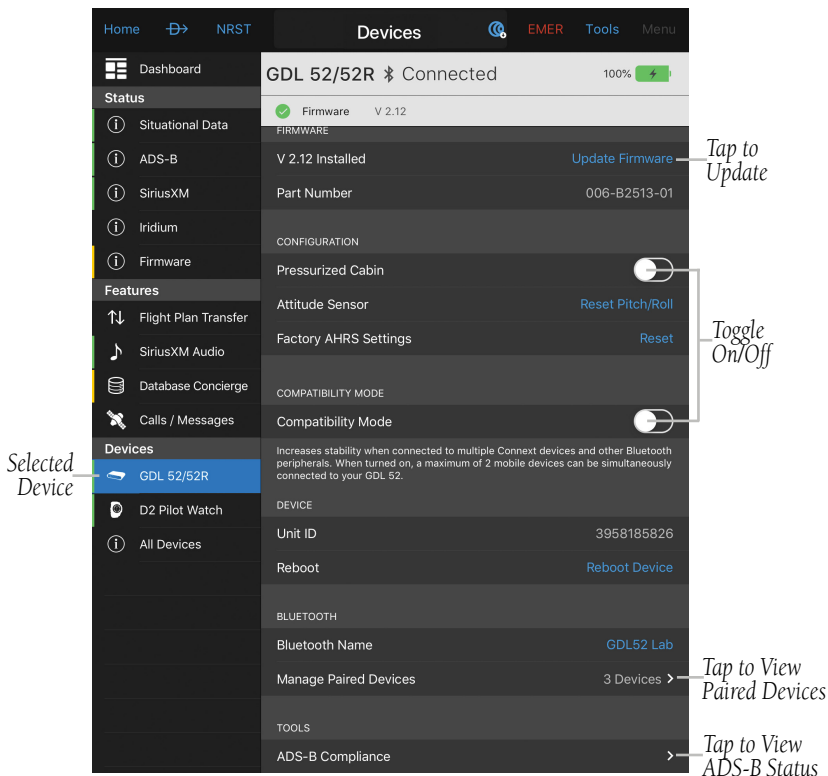
- 1) Power On the Bad Elf GPS.
- 2) On the iOS device, go to **Settings** and ensure Bluetooth is enabled.
- 3) Select the Bad Elf to pair the device with Garmin Pilot.



Bad Elf GPS

## ADS-B COMPLIANCE TOOL

Garmin Pilot allows you to verify your ADS-B equipment is functioning properly via Devices and our ADS-B Compliance Tool, which is designed to augment installation materials and ensure all ADS-B Out hardware is correctly configured. The ADS-B Compliance Tool provides real-time monitoring for ADS-B data transmitted on either 1090ES (1090 MHz) or UAT (978 MHz) to help both you and your avionics technician verify proper functionality.



Devices Page - GDL 52 Tab

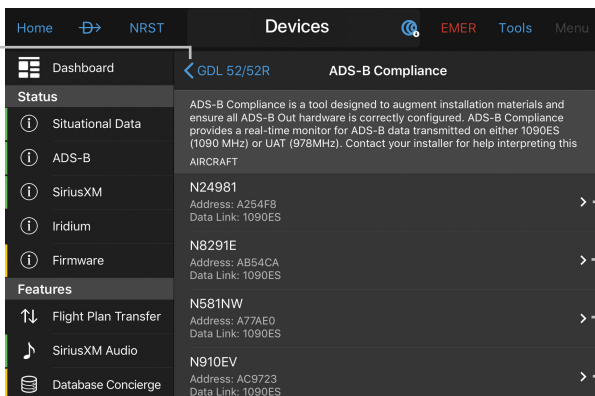
### Verifying ADS-B Signal:

- 1) From any page, tap **Home** > .
- 2) Select desired equipment from the 'Devices' section.
- 3) Tap **ADS-B Compliance**.
- 4) Select desired aircraft to view diagnostic data for your ADS-B equipment.



**NOTE:** Green text indicates the ADS-B signal is satisfactory. Red text indicates the equipment and/or configuration requires additional troubleshooting.

Tap to Return to Device Tab



Tap to View ADS-B Status For Aircraft

### ADS-B Compliance - Aircraft



Tap to Return to Aircraft Page

Home → NRST      Devices      EMER Tools Menu

Dashboard      Aircraft      DAL1947

Status

- Situational Data
- ADS-B
- SiriusXM
- Iridium
- Firmware

Features

- Flight Plan Transfer
- SiriusXM Audio
- Database Concierge
- Calls / Messages

Devices

- GDL 52/52R** (Selected Device)
- D2 Pilot Watch
- All Devices

MESSAGE CONTROLS

- Receiving Messages [Pause](#)
- Message Count 2
- Last Message 1 seconds ago

COMPLIANCE

- Compliance Criteria USA [View/Adjust](#)

REQUIRED

- Datalink 1090ES [View/Adjust](#)
- Address A77AE0 [View/Adjust](#)
- Address Type ICAO [View/Adjust](#)
- Flight ID DAL1947 [View/Adjust](#)
- Emitter Category High vortex large [View/Adjust](#)
- MOPS Version v2 [View/Adjust](#)
- NIC 8 (< 0.1nm) [View/Adjust](#)
- NACp 9 (< 30m) [View/Adjust](#)
- NACv 1 (< 10m/s) [View/Adjust](#)
- SDA 2 (C) [View/Adjust](#)
- SIL 3 (<= 0.0000001) [View/Adjust](#)
- SILSupp 0 (per hour) [View/Adjust](#)

Selected Device

Tap to View/Adjust

Green Text Indicates Status is Satisfactory

Tap to View

### ADS-B Compliance - Status

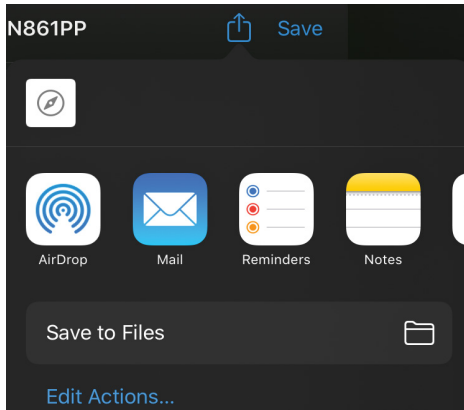
## EXPANDED DATA SHARING

Garmin Pilot's expanded data sharing capabilities, allows the pilot to share data with other users including:

• Flight Plans	• User Waypoints
• Aircraft Data	• Logbook Entries
• Weight & Balance	• Scratch Pad
• Performance Data	• Annotated Charts
• Checklists	• Trips

### Data Sharing Capabilities

Select the Apple action icon to share data with others via AirDrop or email.



### Data Sharing

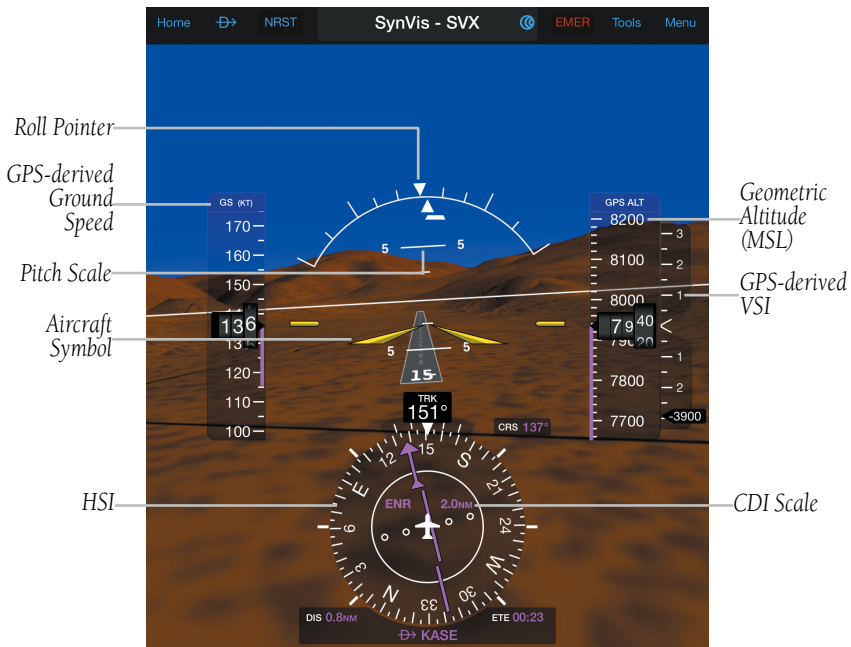


## SYNTHETIC VISION - 3D VISION



**NOTE:** Synthetic Vision requires either a Flight Stream 510/210, GDL 52/52R, GDL 39 3D, GTX 345, GTX 45R, G3X Touch, or a Premium subscription.

Synthetic Vision depicts a forward-looking attitude display of the topography immediately in front of the aircraft. The depicted imagery is derived from the aircraft attitude, heading, GPS three-dimensional position, and databases of terrain, obstacles, and other relevant features.



Synthetic Vision - GDL 39


The Synthetic Vision terrain display shows land contours (colors are consistent with those of the topographical map display), large water features, towers, and other obstacles over 200' AGL that are included in the obstacle database. Cultural features on the ground such as roads, highways, railroad tracks, cities, and state boundaries are not displayed.

Terrain is integrated within Synthetic Vision to provide visual alerts to indicate the presence of terrain and obstacle threats relevant to the projected flight path. Terrain alerts are displayed in red and yellow shading. The terrain display is intended for situational awareness only. It may not provide the accuracy or fidelity on which to base decisions and plan maneuvers to avoid terrain or obstacles. Navigation must not be predicated solely upon the use of the terrain or obstacle data displayed by Synthetic Vision.




**NOTE:** 'No Attitude Information' is displayed in place of the Attitude Indicator when compatible devices are not configured.

## SYNTHETIC VISION OPERATION

Synthetic Vision is activated by tapping **Home** > .

### Activating night mode:

- 1) From any page, tap **Home** > .
- 2) Tap **Menu** > **Night Mode**.

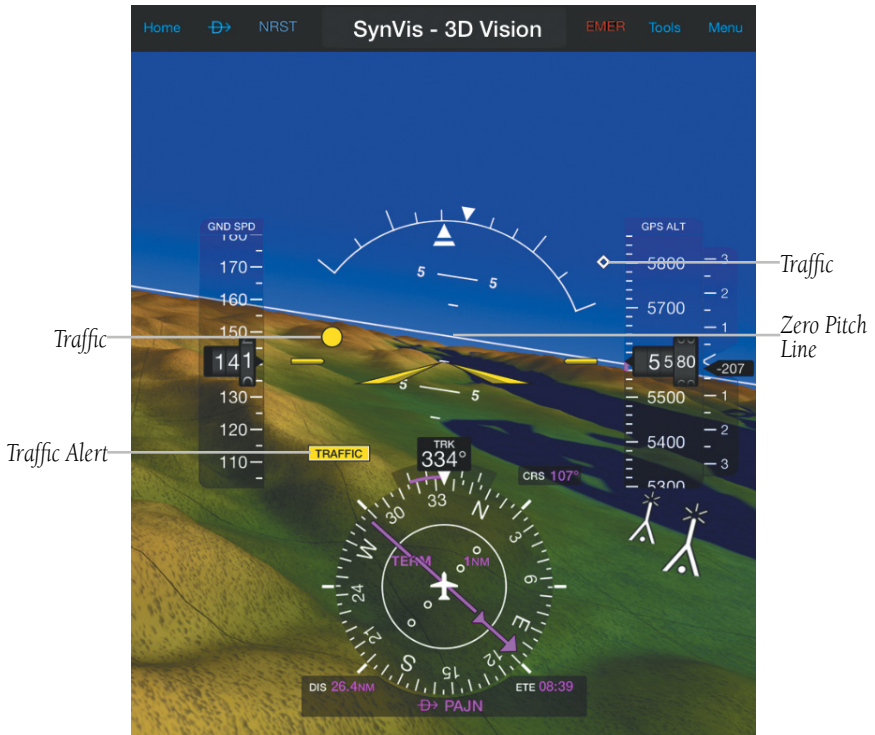
**Or:** From any page, tap  >  > **Widgets** > .

## ZERO PITCH LINE

The Zero Pitch Line is drawn completely across the display and represents the aircraft attitude with respect to the horizon. It may not align with the terrain horizon, particularly when the terrain is mountainous or when the aircraft is flown at high altitudes.

### TRAFFIC (OPTIONAL)

When paired with a Flight Stream 510, Flight Stream 210, GDL 52/52R, GDL 39/ GDL 39 3D, GTX 345, or GTX 45R Synthetic Vision displays ADS-B traffic information. Traffic symbols are displayed in their approximate locations. Traffic symbols are displayed in three dimensions, appearing larger as they are getting closer, and smaller when they are further away. Traffic within 250 feet laterally of the aircraft will not be displayed. Traffic symbols and coloring are consistent with that used for traffic displayed on the Map Page. If the traffic altitude is unknown, the traffic will not be displayed.



Synthetic Vision - Traffic

## RUNWAYS

Runway data provides improved awareness of runway location with respect to the surrounding terrain. All runway thresholds are depicted at their respective elevations as defined in the database. In some situations, where threshold elevations differ significantly, crossing runways may appear to be layered. As the aircraft gets closer to the runway, more detail such as runway numbers and centerlines are displayed.



Synthetic Vision - Runway

## SYNTHETIC VISION TERRAIN AND OBSTACLE DATA

Terrain alerting on the synthetic vision display corresponds to the red and yellow X symbols on the Map Page.

In some instances, a terrain or obstacle alert may be issued with no conflict shading displayed on the synthetic vision. In these cases, the conflict is outside the Synthetic Vision field of view.

Obstacles are represented on the synthetic vision display by standard two-dimensional tower symbols found on the Inset Map and Navigation Map. Unlike the Map Page, obstacles on the synthetic vision display do not change colors to warn of potential conflict with the aircraft's flight path until the obstacle is associated with an actual terrain alert. Obstacles greater than 1000 feet below the aircraft altitude are not shown.

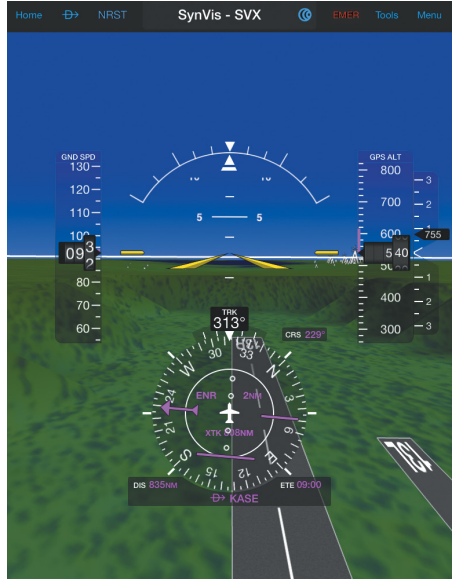


Synthetic Vision - Terrain

It is preferred to download the medium or high resolution terrain data when using Synthetic Vision. The 3D view may not draw correctly with low resolution terrain data.



**Synthetic Vision - High Resolution Terrain Data**



**Synthetic Vision - Low Resolution Terrain Data**





## LOGBOOK

The Garmin Pilot Logbook feature allows the pilot to record pertinent flight information to include the following:

- Generate automatic logbook entries using GPS data collected during the flight.
- Add manual entries or modify auto-entries.
- Notification of auto-generated entries via green badges on Logbook icon.
- Smart Suggestions auto-populates previously used instructor and aircraft information.
- Track currency information including day and night take-offs, night duration, and cross country.
- Enter signed endorsements and generate reports.
- Optional automatic synchronization with the flyGarmin website.
- Adding photographs to logbook entries.
- Logbook auto-logging captures real-time flight data to a specific logbook entry.
- Automatically creates a flight track and attaches it to the entry in the logbook.
- Track CFI endorsements given to students.
- Currency alert notification when a currency is about to expire.

Lock Entry

Add Entry

Flight Log Entries

Configure Form

Flight Log Fields

### Logbook - Entries



The Garmin Pilot logbook requires at least one aircraft entered in **Home** > **Aircraft** in order to create valid entries. If a logbook entry is created without any aircraft types, the Aircraft Type field will prompt to add an aircraft type.

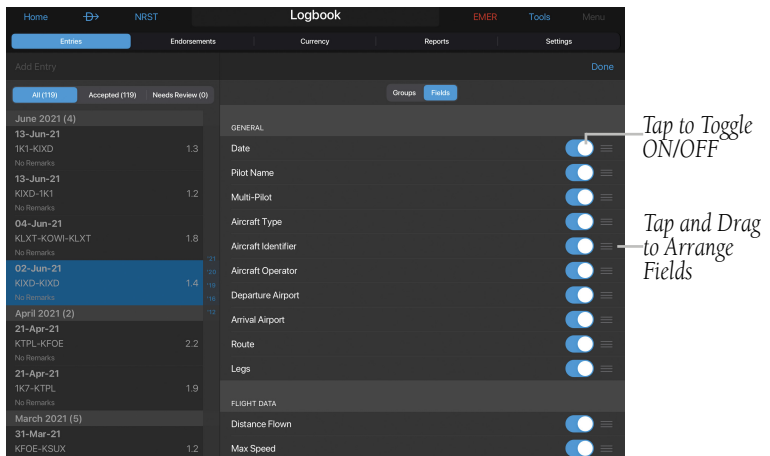


## FLIGHT LOG FIELDS

The order of the Flight Log Fields can be arranged, and each flight log field can be configured ON or Off.

### Configuring logbook fields:


- 1) From any page, tap **Home** > .
- 2) If necessary, tap **Entries** at the bottom of the page.
- 3) Tap the desired entry to configure or tap **Add Entry** to create a new entry.
- 4) Tap **Configure Form**.
- 5) Tap  and drag to arrange the fields in the desired order.
- 6) Tap and drag the Flight Log field switch ON/OFF to display the desired fields.
- 7) Tap **Done**.



Logbook - Flight Log Field Configuration

# FLIGHT LOG ENTRIES

## Manually adding a logbook entry:

- 1) From any page, tap **Home** > .
- 2) If necessary, tap **Entries** at the bottom of the page.
- 3) Tap **Add Entry**. Garmin Pilot will create a new entry.
- 4) Tap the desired Flight Log entry field(s) to add an entry.
- 5) If the flight included an approach, tap **Add Approach**.
  - a) Tap the desired fields to add an approach.
  - b) Tap **Save**.
- 6) If the flight was dual given, the instructor enters the following fields: **Instructor Name**, **Certificate Number**, and **Certificate Expiration**.
  - a) Tap **Add Signature** to sign the entry.
  - b) Tap **Save**.

*Tap Add Entry*

*New Entry*


*Tap to Display by Year*

*Tap to Lock/Unlock Entry*

*Tap to Enter/Change Info*

Logbook - Manual Flight Log Entry


### Viewing flight log entries:

- 1) From any page, tap **Home** > .
- 2) If necessary, tap **Entries** at the bottom of the page.
- 3) If necessary, tap **Automatic Flight Logs**.
- 4) Tap the desired entry to view.

### Enabling automatic flight log entries:

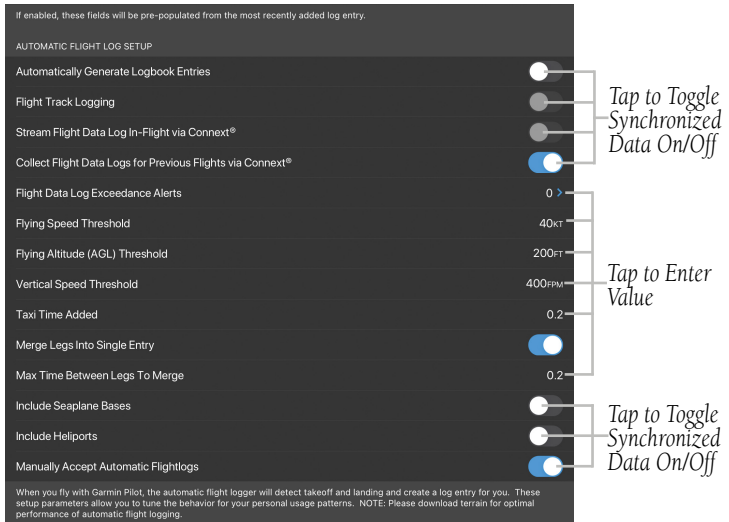


**NOTE:** The terrain download is recommended for optimum performance of Automatic Flight Logging.

- 1) From any page, tap **Home** > .
- 2) Tap **Settings**.
- 3) Scroll down to the **Automatic Flight Log Setup** fields.
- 4) Tap **Automatically Generate Logbook Entries** switch to ON.
- 5) If desired, enter a value for any of the following **Automatic Flight Log Setup** fields.

• Flying Speed Threshold	• Taxi Time Added
• Flying Altitude (AGL) Threshold	• Max Time Between Legs To Merge
• Vertical Speed Threshold	

Automatic Flight Log Setup Fields




## Logbook - Settings- Automatic Flight Log Set-up


### Accepting automatic flight log entries:

- 1) From any page, tap **Home** > .
- 2) Tap the '**Auto-Generated Flight Logs...**' flight log entry.
- 3) Tap **Accept** or **Accept All**.


### Deleting automatic flight log entries:

- 1) From any page, tap **Home** > .
  - 2) Tap the '**Auto-Generated Flight Logs...**' flight log entry.
  - 3) Tap **Delete**
- Or:** Swipe entry to display **Delete** button.


### Modifying a flight log entry:

- 1) From any page, tap **Home** > .
- 2) If necessary, tap **Entries** at the bottom of the page.
- 3) If necessary, tap **Auto-Generated Flight Logs**.
- 4) Tap the desired entry to modify.
- 5) Modify the desired Flight Log entry fields.

### Deleting a flight log entry:

- 1) From any page, tap **Home** > .
- 2) If necessary, tap **Entries** at the bottom of the page.
- 3) If necessary, tap **Auto-Generated Flight Logs**.
- 4) Tap the desired entry to delete.
- 5) Tap **Delete Entry**, at the top of the entry.

### Viewing flight log entries by year:

- 1) From any page, tap **Home** > .
- 2) If necessary, tap **Entries** at the bottom of the page.
- 3) Tap the desired blue two digit year.

## LOGBOOK PHOTOS

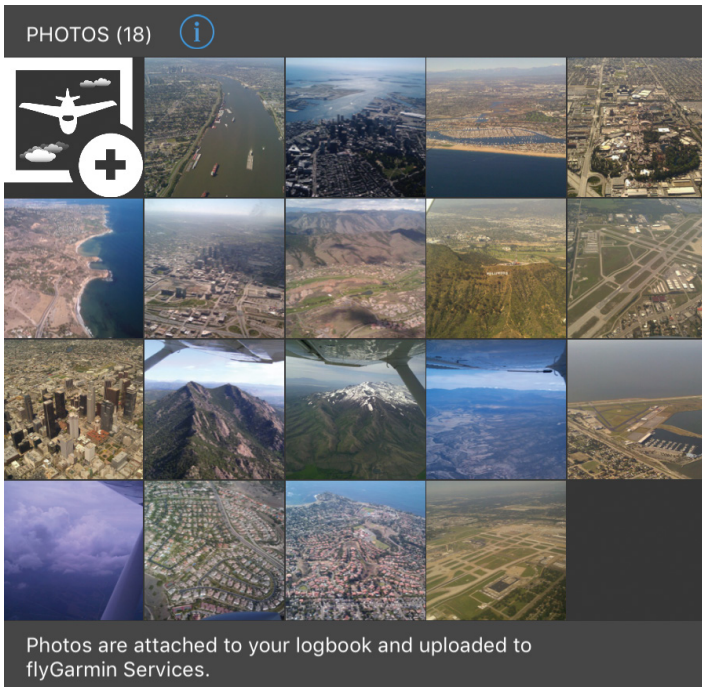
---

The Logbook Photos feature allows the pilot to attach unlimited photos to logbook flight entries.

- Logbook photos may be taken while in flight using a device's camera, and are automatically added to the provisional logbook entry based on time matching.
- Logbook photos can be attached to existing logbook entries from the device's photo library or flyGarmin, where photos are securely stored within flyGarmin, allowing the user to sync photos across all devices.

## Adding photos to a logbook entry:

- 1) From any page, tap **Home** > .
- 2) Tap **Add Entry** or an existing logbook entry and select the **Add Photo** icon.
- 3) Take a photo from the device, add one from the device's photo library, or add a photo from the Virb photo library.



Logbook Photos



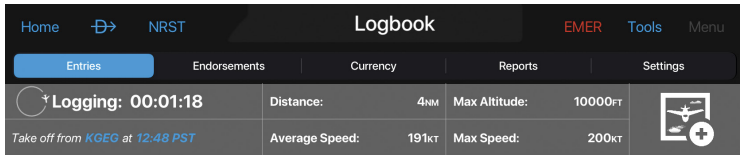
## LOGBOOK AUTO-LOGGING

The Logbook Auto-logging view on the logbook entries tab captures and displays real-time flight data including:

• Duration of flight	• Time of departure
• Distance flown	• Average speed
• Maximum altitude	• Maximum speed

### Logbook Auto-Logging Data

Logbook Auto-Logging also supports taking photos while in flight or attaching images from the device's library to the logbook entry.




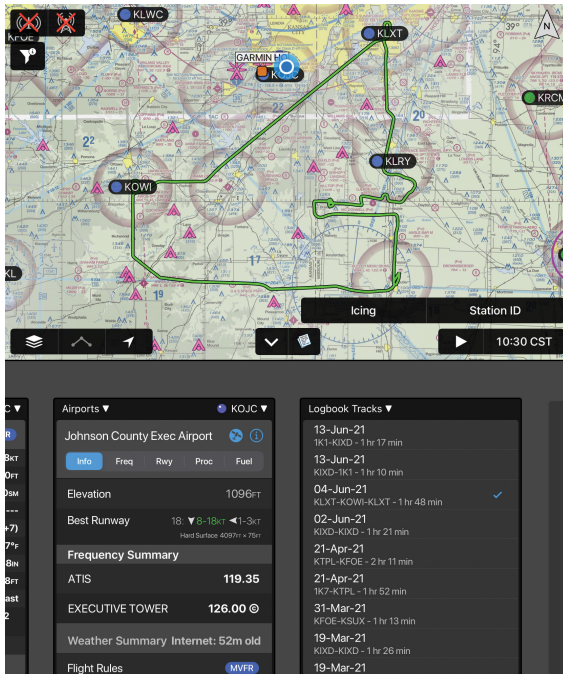
### Logbook Auto-Logging

# LOGBOOK TRACKS

Garmin Pilot automatically creates a track of a flight and attaches the file to the logbook.


## Viewing logbook tracks:

- 1) From any page, tap **Home** > .
- 2) Tap **Show on Map** on a selected logbook entry.



Split Screen - Widgets - Logbook Tracks

## Adding logbook widget from split screen mode:

- 1) From any page, tap **Home** > .
- 2) Tap **Widgets** from the split screen mode.
- 3) Tap Add Widget and select **Logbook Tracks**.

## Hiding logbook tracks from the map:

- 1) Select the **Track** icon from the Radial Menu.
- 2) Tap on the **Hide** button to remove the track on the map.

## LIVE TRACK LOG



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**NOTE:** *The Live Track Log requires Flight Track Logging to be enabled in the logbook settings, and uses the selected thresholds to start recording. Please refer to the Logbook Settings section for additional information.*

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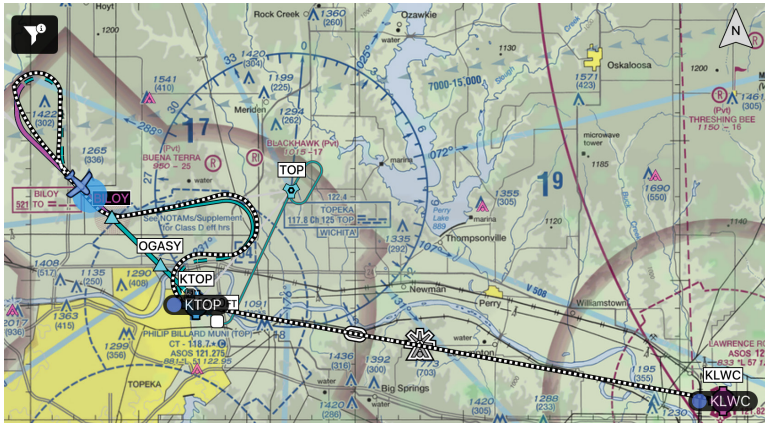
**NOTE:** *For the best Live Track Log experience, downloading a terrain database is recommended.*

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Users are able to view their live track log, or breadcrumb trail, as a checkered line on the map, displaying the current flight. Upon landing, the Live Track Log will display the last recorded track for up to 60 minutes, or until Garmin Pilot is closed and restarted. The Track Log will be attached to the logbook entry and may be viewed via the Logbook Tracks feature.

## Enabling Live Track Log:

- 1) From any screen, tap **Home** > .
- 2) Select **Live Track Log** from **Overlays** tab.

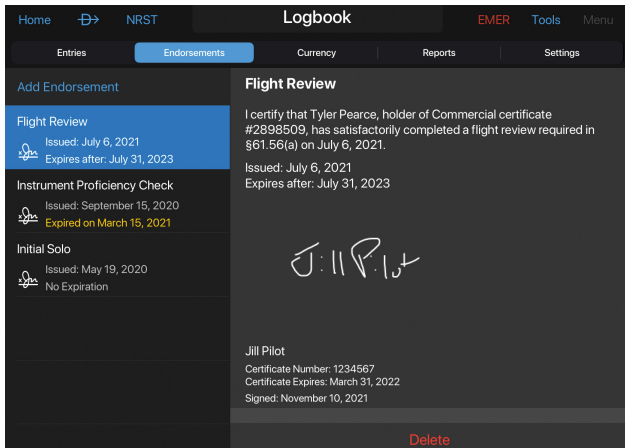


Overlays - Live Track Log

# ENDORSEMENTS


## Viewing endorsements:

- 1) From any page, tap **Home** > .
- 2) If necessary, tap **Endorsements** at the bottom of the page.
- 3) Tap the desired endorsement.



Logbook - Endorsements

### Adding endorsements:

- 1) From any page, tap **Home** > .
- 2) If necessary, tap **Endorsements** at the bottom of the page.
- 3) Tap **Add Endorsement**.
- 4) Tap **Received Endorsement** or **Given Endorsement**.
- 5) Tap **Type** and select the desired entry from the list.
- 6) Tap **FAA Category** and select the desired entry from the list.
- 7) Tap **Make and Model** and select the desired entry from the list.
- 8) The instructor enters the following fields: **Instructor Name**, **Certificate Number**, and **Certificate Expiration**.
  - a) Tap **Add Signature** to sign the entry.
  - b) Tap **Save**.

Tap to Add  
Endorsements  
New  
Endorsement

Home → NRST Logbook EMER Tools Menu

Entries Endorsements Currency Reports Settings

Add Endorsement

**Instrument Proficiency Check**  
Issued: November 10, 2021  
Expires after: May 31, 2022

Flight Review  
Issued: July 6, 2021  
Expires after: July 31, 2023

Initial Solo  
Issued: May 19, 2020  
No Expiration

Type Instrument Proficiency Check (IPC)  
Date Issued November 10, 2021  
FAA Category Airplane

ENDORSEMENT FIELDS

Make and Model Cessna CESSNA 206H

ENDORSEMENT

Title Instrument Proficiency Check

I certify that Tyler Pearce, holder of Commercial certificate #2898509, has satisfactorily completed the instrument proficiency check required in §61.157(d) in a Cessna CESSNA 206H on November 10, 2021.

INSTRUCTOR

Instructor Name Required  
Certificate Number Required  
Certificate Expiration Required

Add Signature

Delete Endorsement

Tap to  
Enter Info

Tap to Sign


Tap to Delete

### Logbook - Adding Endorsement

### Editing an endorsement:

- 1) From any page, tap **Home** > .
- 2) If necessary, tap **Endorsements** at the bottom of the page.
- 3) Tap the desired endorsement.
- 4) Tap the desired **Endorsement** entry field(s) edit.


### Deleting an endorsement:

- 1) From any page, tap **Home** > .
- 2) If necessary, tap **Endorsements** at the bottom of the page.
- 3) Tap the desired endorsement.
- 4) Scroll to the bottom of the entry and tap **Delete Endorsement**.

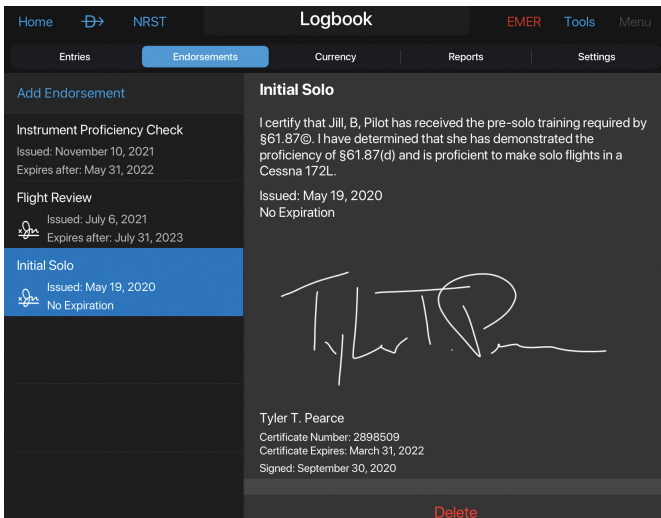
## CFI ENDORSEMENTS GIVEN

Garmin Pilot allows CFIs to keep track of endorsements given to flight students.

### Using the CFI Endorsements Given feature:

- 1) From any page, tap **Home** > .
- 2) Tap **Settings** button.
- 3) Tap **Pilot Is CFI** button to designate the pilot as a CFI.
- 4) Tap **Endorsements**.
- 5) Tap **Add Endorsement**.
- 6) Tap **Given Endorsement** to add a new endorsement.
- 7) Tap the **Share Endorsement** button to share the endorsement with flight students.




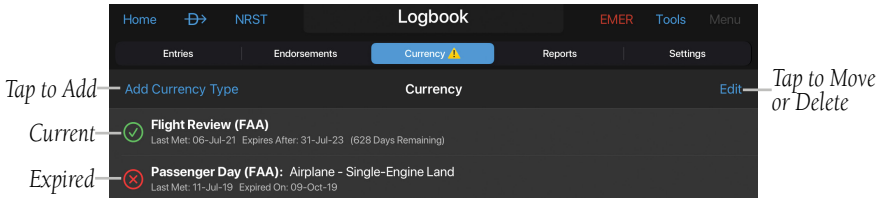


Logbook - Endorsement - CFI Given

## CURRENCY

### Viewing currency information:

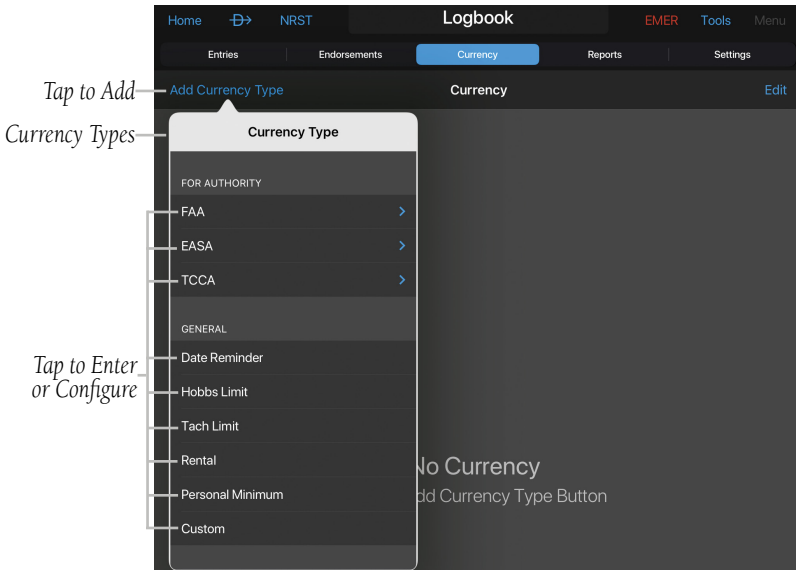
- 1) From any page, tap **Home** > .
- 2) If necessary, tap **Currency** at the top of the page. When the currency type has been met, a green check mark is displayed as well as the date last met, expiration date, and days remaining. When the currency type has not been met a red 'X' is displayed.



Logbook - Currency



## Adding a currency type:

- 1) From any page, tap **Home** > .
- 2) If necessary, tap **Currency** at the bottom of the page.
- 3) Tap **Add Currency Type**.
- 4) Tap the desired Currency Type from the list.





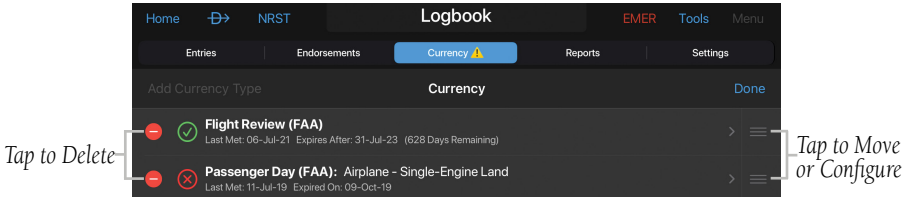
Logbook - Adding Currency Type

**Moving currency types:**

- 1) From any page, tap **Home** > .
- 2) If necessary, tap **Currency** at the bottom of the page.
- 3) Tap **Edit**.
- 4) Tap  and drag to the desired location.

**Deleting a currency type:**

- 1) From any page, tap **Home** > .
- 2) If necessary, tap **Currency** at the bottom of the page.
- 3) Tap **Edit**.
- 4) Tap  > **Delete** to delete the Currency Type.




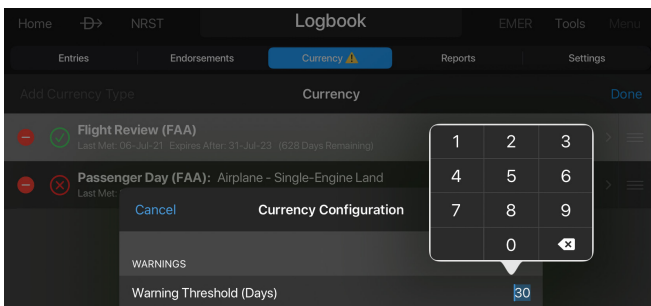
Logbook - Currency - Edit

## CURRENCY ALERTS

The Currency Alerts feature may be set up to alert the pilot of an impending currency expiration or an impending expiration by presenting a message to advise the pilot.

### Adding a currency alert:


- 1) From any page, tap **Home** > .
- 2) Tap the **Currency** button at the bottom of the page.
- 3) Tap **Add Currency Type**.
- 4) Tap which corresponding **Authority** or **General** category.
- 5) Tap selected **Category**.
- 6) Tap **Warning Threshold (Days)** in the **Currency Configuration** and select number of days desired.
- 7) Tap **Done**.

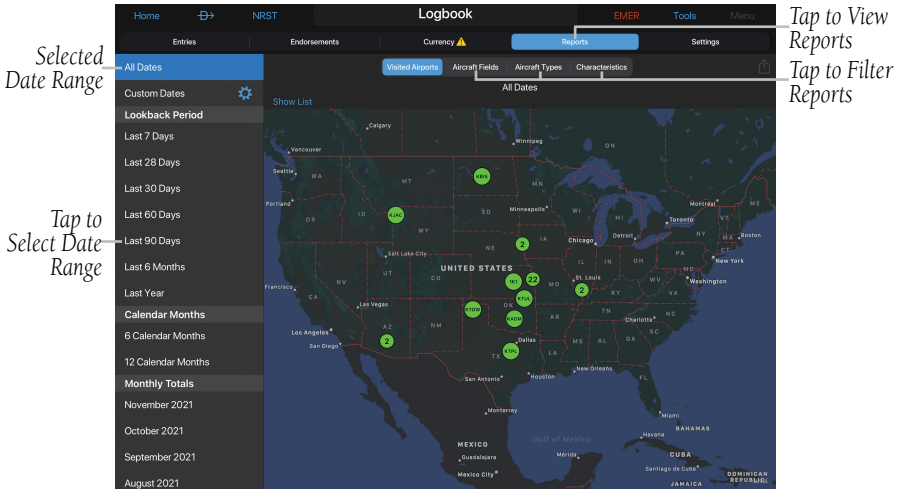


Logbook - Currency Configuration

# REPORTS


Displaying all logbook data entry fields by days, months, or years:

- 1) From any page, tap **Home** > .
- 2) Tap **Reports** at the bottom of the page.
- 3) Tap the desired number of days, months, or years.



Logbook - Reports - Visited Airports

## Displaying logbook data for Visited Airports:

- 1) From any page, tap **Home** > .
- 2) Tap **Reports** at the bottom of the page.
- 3) Tap the desired number of days, months, or years.
- 4) Tap **Visited Airports** from the reports list.
- 5) Tap the airport pin to view detailed information.
- 6) Tap the specific flight to view the full logbook entry.

*Tap to Display Visited Airports*

*Tap to View Airport Visits*

*Tap to Select Date Range*


*Tap to View Reports*

*Tap to View Logbook Entry*

Date	Departure	Duration
13-Jun-21	1K1	1.3
02-Jun-21	KIXD	1.4
19-Mar-21	KIXD	1.4
20-Feb-21	K34	0.3
12-Jan-21	KTOP	0.9
04-Dec-20	KOWI	1.1

Logbook - Reports - Visited Airports - Details

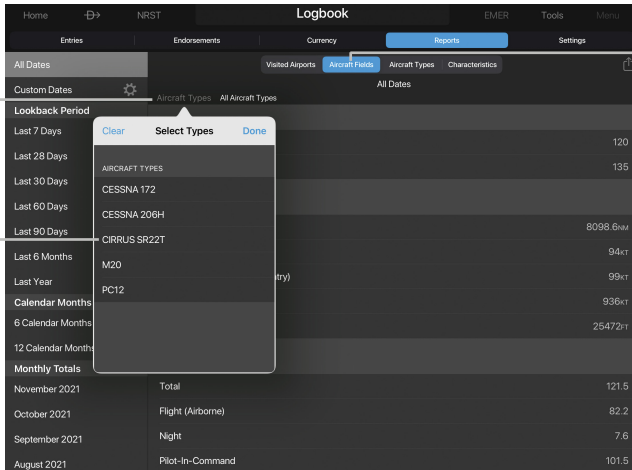
## Displaying logbook data entry totals for each aircraft type by days, months, or years:

- 1) From any page, tap **Home** > .
- 2) Tap **Reports** at the bottom of the page.
- 3) Tap the desired number of days, months, or years.
- 4) Tap **Aircraft Fields**.
- 5) Tap **Aircraft Types** above the entry fields column.
- 6) Tap the desired aircraft type(s).
- 7) Tap **Done**.

*Tap to View Aircraft Types*


*Tap to Select Specific Aircraft Type*

*Tap to View Aircraft Fields*



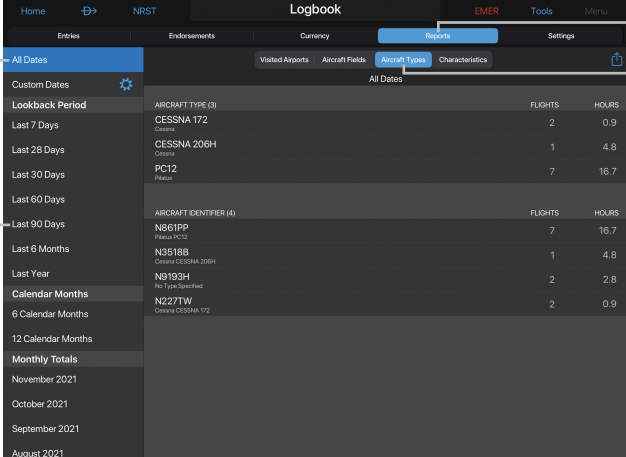
**Logbook - Reports - Aircraft Fields - Selecting Aircraft Type**

## Displaying total flights and hours for each aircraft type by days, months, or years:

- 1) From any page, tap **Home** > .
- 2) Tap **Reports** at the bottom of the page.
- 3) Tap the desired number of days, months, or years.
- 4) Tap the **Aircraft Types** Tab.

*Selected Date Range*

*Tap to View Reports*  
*Tap to Display Aircraft Type*




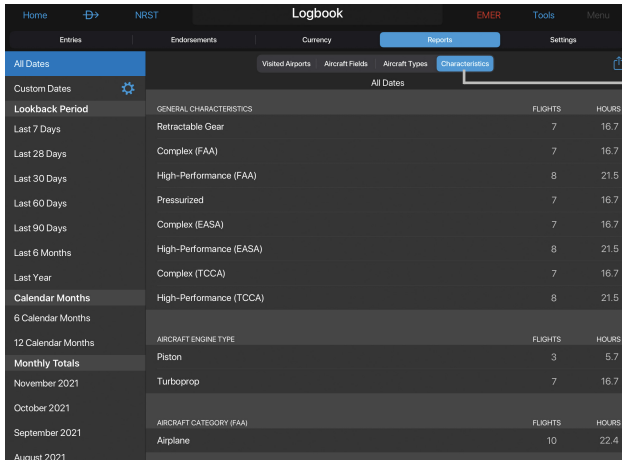
Lookback Period	AIRCRAFT TYPE (3)	FLIGHTS	HOURS
Last 7 Days	CESSNA 172 <small>Cessna</small>	2	0.9
Last 28 Days	CESSNA 206H <small>Cessna</small>	1	4.8
Last 30 Days	PC12 <small>Pittbull</small>	7	16.7
Last 60 Days			
	AIRCRAFT IDENTIFIER (4)	FLIGHTS	HOURS
Last 90 Days	N819PP <small>Pittbull PC12</small>	7	16.7
Last 6 Months	N551BB <small>Cessna CESSNA 206H</small>	1	4.8
Last Year	N819H <small>N819H Type II Sport</small>	2	2.8
Calendar Months			
6 Calendar Months	N227TW <small>Cessna CESSNA 172</small>	2	0.9
12 Calendar Months			
Monthly Totals			
November 2021			
October 2021			
September 2021			
August 2021			

Logbook - Reports - Aircraft Type



## Displaying total flights and total hours for each aircraft characteristic by aircraft days, months, or years:

- 1) From any page, tap **Home** > .
- 2) Tap **Reports** at the bottom of the page.
- 3) Tap the desired number of days, months, or years.
- 4) Tap the **Characteristics** Tab.



Lookback Period	GENERAL CHARACTERISTICS	FLIGHTS	HOURS
Last 7 Days	Retractable Gear	7	16.7
Last 28 Days	Complex (FAA)	7	16.7
Last 90 Days	High-Performance (FAA)	8	21.5
Last 60 Days	Pressurized	7	16.7
Last 90 Days	Complex (EASA)	7	16.7
Last 6 Months	High-Performance (EASA)	8	21.5
Last Year	Complex (TCCA)	7	16.7
Calendar Months	High-Performance (TCCA)	8	21.5
6 Calendar Months			
12 Calendar Months	AIRCRAFT ENGINE TYPE	FLIGHTS	HOURS
Monthly Totals	Piston	3	5.7
November 2021	Turboprop	7	16.7
October 2021			
September 2021	AIRCRAFT CATEGORY (#AA)	FLIGHTS	HOURS
August 2021	Airplane	10	22.4

Tap to Display Aircraft Characteristics

Logbook - Reports - Aircraft Characteristics

## LOGBOOK SETTINGS

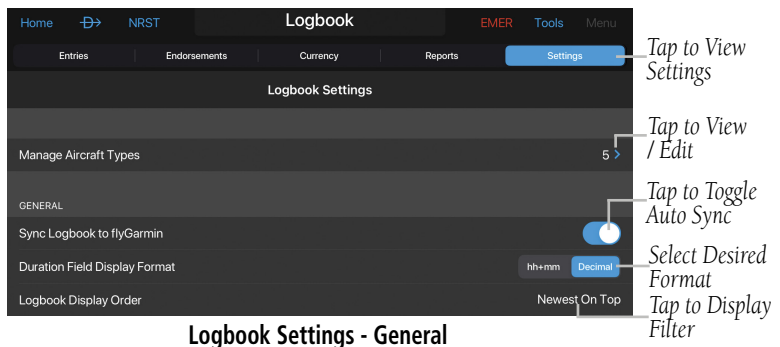
Accessing logbook settings:

- 1) From any page, tap **Home** > .
- 2) Tap **Settings**.

### GENERAL SETTINGS

Modifying logbook display settings:

- 1) From any page, tap **Home** > .
- 2) Tap **Settings**.
- 3) In the **Sync Logbook to flyGarmin** field, tap button to On to sync the Garmin Pilot logbook to a the current flyGarmin user account.
- 4) In the **Duration Field Display Format** field, tap **hh+mm** or **Decimal**.
- 5) In the **Logbook Display Order** field, tap **Newest On Top** or **Oldest On Top**.



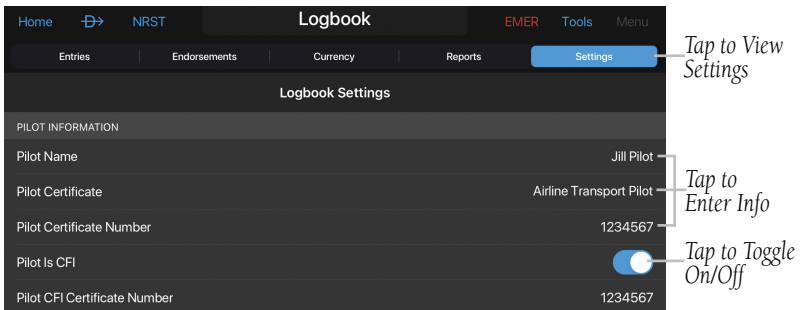
Logbook Settings - General

## PILOT INFORMATION

The following **Pilot Information** settings are used to automatically populate new endorsements and new logbook entries.

### Modifying pilot information:

- 1) From any page, tap **Home** > .
- 2) Tap **Settings**.
- 3) Tap the **Pilot Name** field.
- 4) Enter a name using the keypad and tap **Done**.
- 5) Tap the **Pilot Certificate** field and tap **Private, Commercial, Airline Transport Pilot, Sport, or Recreational**.
- 6) Tap the **Pilot Certificate Number** field.
- 7) Enter a certificate number using the keypad and tap **Done**.
- 8) Tap the **Pilot Is CFI** button to On, if the pilot is a CFI.
- 9) Tap the **Pilot CFI Certificate Number** field.
- 10) Enter a certificate number using the keypad and tap **Done**.




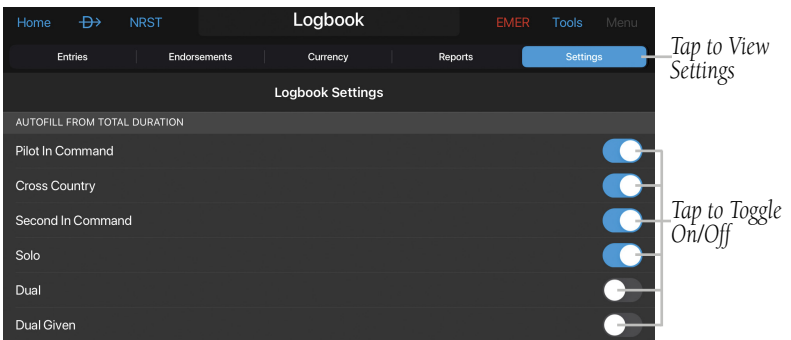
Logbook Settings - Pilot Info

## AUTOMATIC UPDATES

If enabled, the following values will be automatically updated with the Total Duration of the flight. This applies to both manual and automatic flight logs.

### Enabling/disabling automatic updates:

- 1) From any page, tap **Home** > .
- 2) Tap **Settings**.
- 3) Tap the **Pilot In Command**, **Cross Country**, **Second In Command**, **Solo**, **Dual**, or **Dual Given** field.
- 4) Tap the switch ON/OFF to enable/disable automatic updates for the field.




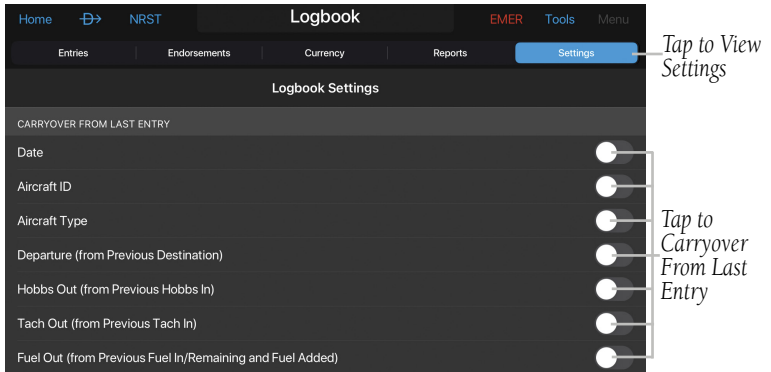
Logbook Settings - Autofill From Total Duration

## CARRYOVER FROM LAST ENTRY

If enabled, the following data will be automatically populated from the last logbook entry.

### Enabling/disabling auto-populated fields:

- 1) From any page, tap **Home** > .
- 2) Tap **Settings**.
- 3) Tap the **Date**, **Aircraft ID**, **Aircraft Type**, **Departure (from Previous Destination)**, **Hobbs Out (from Previous Hobbs In)**, **Tach Out (from Previous Tach In)**, or **Fuel Out (from Previous Fuel In/Remaining and Fuel Added)** field.
- 4) Tap the switch ON/OFF to enable/disable.



Logbook Settings - Carryover From Last Entry

# AUTOMATIC FLIGHT LOG SETUP



**NOTE:** The terrain download is recommended for optimum performance of Automatic Flight Logging.

When **Automatic Flight Log** is enabled, Garmin Pilot detects takeoff and landing to automatically create a flight log entry. The settings below allow the pilot to configure the behavior of the flight log function.

## Enabling automatic flight log entries:

- 1) From any page, tap **Home** > .
- 2) Tap **Settings**.
- 3) Scroll down to the **Automatic Flight Log Setup** fields.
- 4) Tap the **Automatically Generate Logbook Entries** switch to ON.
- 5) If desired, adjust any other **Automatic Flight Log Setup** fields.

The screenshot shows the 'AUTOMATIC FLIGHT LOG SETUP' settings screen. The settings are as follows:

- Automatically Generate Logbook Entries:  (Annotated: Tap to Toggle On/Off)
- Flight Track Logging:  (Annotated: Tap to Toggle On/Off)
- Stream Flight Data Log In-Flight via Connex<sup>®</sup>:  (Annotated: Tap to Toggle On/Off)
- Collect Flight Data Logs for Previous Flights via Connex<sup>®</sup>:  (Annotated: Tap to Toggle On/Off)
- Flight Data Log Exceedance Alerts: 0 > (Annotated: Tap to Enter Info)
- Flying Speed Threshold: 40KT (Annotated: Tap to Enter Info)
- Flying Altitude (AGL) Threshold: 200FT (Annotated: Tap to Enter Info)
- Vertical Speed Threshold: 400FPM (Annotated: Tap to Enter Info)
- Taxi Time Added: 0.2 (Annotated: Tap to Enter Info)
- Merge Legs Into Single Entry:  (Annotated: Tap to Toggle On/Off)
- Max Time Between Legs To Merge: 0.2 (Annotated: Tap to Enter Info)
- Include Seaplane Bases:  (Annotated: Tap to Toggle On/Off)
- Include Heliports:  (Annotated: Tap to Toggle On/Off)
- Manually Accept Automatic Flightlogs:  (Annotated: Tap to Toggle On/Off)


Logbook Settings - Automatic Flight Log Setup

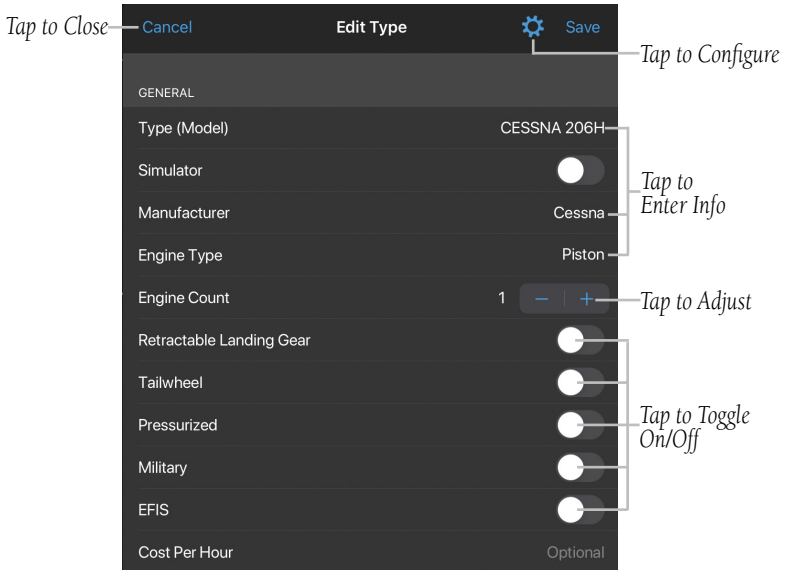
<ul style="list-style-type: none"> <li>• <b>Automatically Generate Logbook Entries</b></li> </ul>	Allows Garmin Pilot to automatically generate flight logs.
<ul style="list-style-type: none"> <li>• <b>Flight Track Logging</b></li> </ul>	Garmin Pilot will monitor location information to ensure the complete flight is logged, but may impact battery life.
<ul style="list-style-type: none"> <li>• <b>Stream Flight Data Log In-Flight via Devices</b></li> </ul>	Allows real-time flight data synchronization with various Garmin Devices devices.
<ul style="list-style-type: none"> <li>• <b>Collect Flight Data Logs for Previous Flights via Devices</b></li> </ul>	Harvests previous flight data from various Garmin Devices devices.
<ul style="list-style-type: none"> <li>• <b>Flying Speed Threshold</b></li> <li>• <b>Flying Altitude (AGL) Threshold</b></li> <li>• <b>Vertical Speed Threshold</b></li> </ul>	Used to optimize the detection of takeoff. If terrain has been downloaded then it is used to determine when the aircraft is flying.
<ul style="list-style-type: none"> <li>• <b>Taxi Time Added</b></li> </ul>	Automatically added to the total duration to account for taxi time on the ground. Defaults to zero.
<ul style="list-style-type: none"> <li>• <b>Merge Legs Into Single Entry</b></li> <li>• <b>Max Time Between Legs To Merge</b></li> </ul>	These parameters control if two flights will be automatically merged into one logbook entry.
<ul style="list-style-type: none"> <li>• <b>Include Seaplane Bases</b></li> <li>• <b>Include Heliports</b></li> </ul>	Enable these options if operating out of a seaplane base or heliport.
<ul style="list-style-type: none"> <li>• <b>Manually Accept Automatic Flightlogs</b></li> </ul>	When enabled, the user must manually review and accept all auto-generated flight log entries.

### Automatic Flight Log Setup Fields

## MANAGING AIRCRAFT TYPES

### Viewing an aircraft type:



- 1) From any page, tap **Home** > .
- 2) Tap **Settings**.
- 3) Tap **Manage Aircraft Types**.
- 4) Tap the desired aircraft type to view the fields.

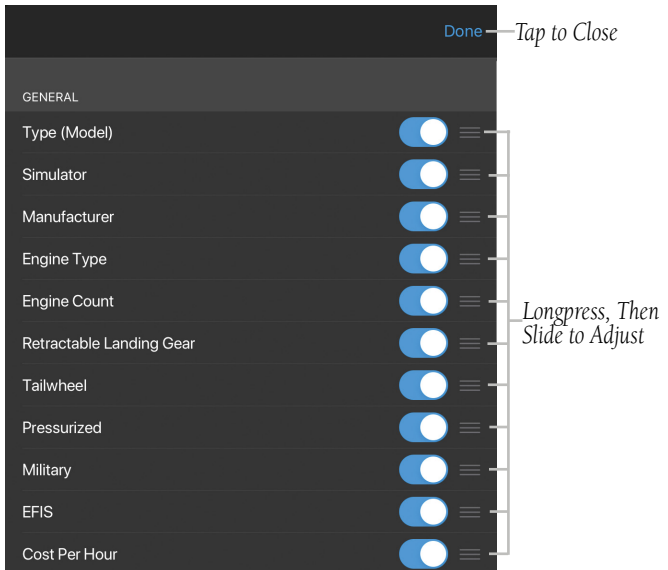


Logbook Settings - Manage Aircraft Types - Edit Type




### Configuring aircraft type fields:

- 1) From any page, tap **Home** > .
- 2) Tap **Settings**.
- 3) Tap **Manage Aircraft Types**.
- 4) Tap the desired aircraft Type.
- 5) Tap the Settings 'Gear' icon.
- 6) Tap the switch ON/OFF to display the desired fields.
- 7) Longpress  and slide to adjust the order of data.
- 8) Tap to enter desired and/or required info.
- 9) Tap **Done** to close the configuration dialogue menu.




Logbook Settings - Manage Aircraft Types - Configuration


### Adding an aircraft type:

- 1) From any page, tap **Home** >  .
- 2) Tap **Settings**.
- 3) Tap **Manage Aircraft Types**.
- 4) Tap **Add Aircraft Type**. Garmin Pilot will create a new aircraft type entry.
- 5) Tap the desired Aircraft Type entry field(s) to add an entry.


### Modifying an aircraft type:

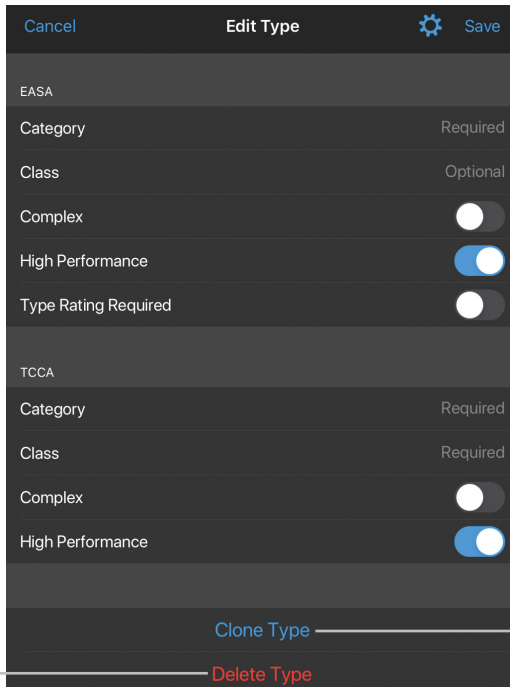
- 1) From any page, tap **Home** >  .
- 2) Tap **Settings**.
- 3) Tap **Manage Aircraft Types**.
- 4) Tap the desired Aircraft Type to modify.
- 5) Tap the desired Aircraft Type entry field(s) to modify.

### Copying an aircraft type:

- 1) From any page, tap **Home** >  .
- 2) Tap **Settings**.
- 3) Tap **Manage Aircraft Types**.
- 4) Tap the desired aircraft type to copy.
- 5) Scroll to the bottom of the entry and tap **Clone Type**.

## Deleting an aircraft type:

- 1) From any page, tap **Home** > .
- 2) Tap **Settings**.
- 3) Tap **Manage Aircraft Types**.
- 4) Tap the desired aircraft type to delete.
- 5) Scroll to the bottom of the entry and tap **Delete Type**.



Tap to Delete

Tap to Clone

Logbook Settings - Manage Aircraft Types - Clone or Delete







## FLIGHT DATA LOG VISUALIZATION (EIS)

Garmin Pilot displays real-time engine information in-flight, including cylinder head temperatures (CHT) and exhaust gas temperatures (EGT), when paired with an EIS-capable TXi flight display or the G1000 NXi integrated flight deck and the Flight Stream 510.

Upon landing, the flight data log is wirelessly uploaded to the flyGarmin website and is securely stored. The data log is incorporated into the logbook entry for post flight analysis using either Garmin Pilot or flyGarmin. User-configurable, detailed graphs assists pilots in understanding engine performance and trend data to help identify potential maintenance-related issues.

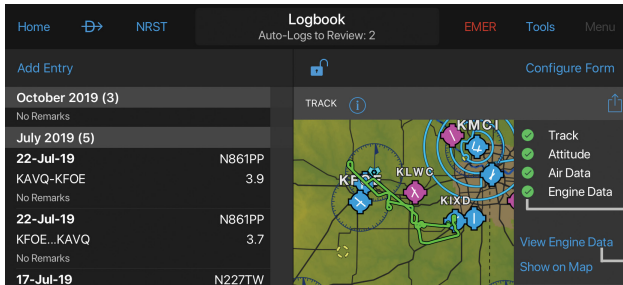
In addition, pilots may set exceedance alerts for every phase of flight on the flyGarmin website as well as Garmin Pilot. If any limits were exceeded during a particular flight, pilots will receive an email notification upon landing and connecting to the internet on the Garmin Pilot equipped device.

### Viewing engine data in flight:

- 1) From any page, tap **Home** > .
- 2) Tap  when in split screen mode from the  or  page.

### Viewing engine data post-flight:

- 1) From any page, tap **Home** > .
- 2) Tap **Entries**.
- 3) Tap **View Engine Data** from the desired logbook entry.



Engine Data Available  
Tap to View Engine Data

### Viewing Engine Data Post-Flight

Tap to Change Aircraft



Tap to Adjust Playback

Tap to Change Data

Tap to Add Data Layer

Tap to View Data

### Flight Data Log Visualization (EIS)



## DOCUMENTS

### DOCUMENTS

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Garmin Pilot includes a document viewer making it easy for pilots to access, organize and annotate electronic documents required for flying.

For users with a Garmin Pilot Standard license, the document viewer contains a catalog of FAA Documents, chart legends and more. The catalog also provides access to Garmin aviation manuals, such as pilot and cockpit reference guides. Simply browse the catalog and select a document to download to the device for offline use. Pilots may search, annotate, bookmark, and share electronic documents for easy recall within Garmin Pilot. Documents saved in folders will be automatically updated when a new version becomes available when the user toggles the Auto Download switch in Settings.

In addition, the premium version of Garmin Pilot will allow users to access third-party cloud storage providers, including Dropbox, Google Drive and iCloud, to add documents in PDF, JPG, or PNG formats.



**NOTE:** Documents on third-party cloud storage providers must be within the 'Garmin Pilot' folder, which will be automatically created when you log into that provider in order to be accessible from within Garmin Pilot.





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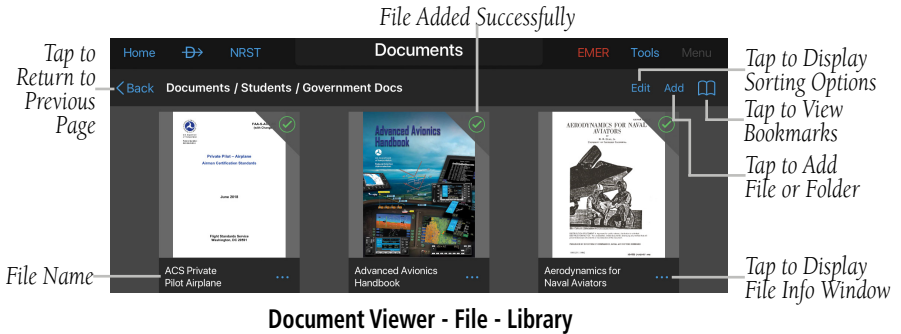
#### Accessing Document Viewer:

- 1) From any page, tap **Home** >




Or:





- 2) From the  or  page, tap  > **Widgets** > 
- 3) Tap the desired folder.
- 4) Tap the desired document in order to open the file.

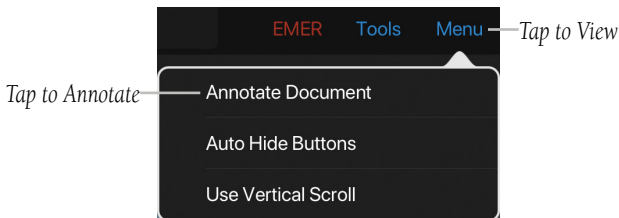


## Annotating Document:

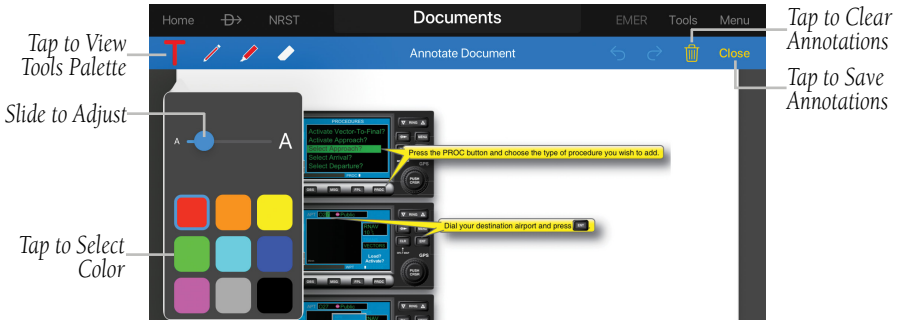
- 1) From any page, tap **Home** > 

Or:

- 2) From the  or  page, tap  > **Widgets** > 
- 3) Tap the desired folder.
- 4) Tap the desired document in order to open the file.
- 5) Tap **Menu** > **Annotate Document**.

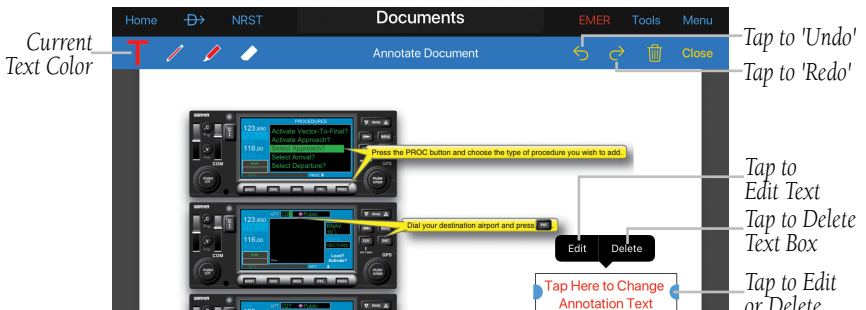


- 6) Double Tap the desired tool ( = Text, = Draw, = Highlight, or = Erase) to display the associated Tools Palette.
- 7) Tap the desired color.
- 8) Adjust the slider as desired, then tap outside of the options menu to annotate.



**Documents - Annotate - Text - Tools Palette**

- 9) If entering text, a text box will be displayed. Tap the text box to Change, Enter, or Delete text. Tap to "Undo" or to "Redo" an entry. Once the text has been entered, tap outside the text box to continue.



**Documents - Annotate - Text - Tools Palette**



10) Tap **Close** to save annotations and exit Annotation Mode.

11) Tap > **Clear Page** or **Clear All**, as desired.

Current Annotation Tool is Emphasized

Tap to Clear Annotations

Tap to Save Annotations

Tap to Outside Text Box to Continue Annotating

Press the PROC button and choose the type of procedure you wish to add.

Dial your destination airport and press [OK].

I can also add Approaches, SIDs, & STARs into my Flight Plan via Garmin Pilot.

Choose your approach from the approach menu.

Choose your transition from the transition menu.

Press [OK] to load the approach into your flight plan.

**Figure 3-12.** Inserting published instrument procedures into a flight route.


**Check the Waypoints**  
On the flight planning page, compare the sequence of waypoints with that prescribed by his or her clearance. Are any waypoints missing? Did you mistakenly include any extra waypoints in the route? Did you misspell any waypoints? Did the computer mistakenly include any extra waypoints in the route?

**Check the Distances**  
On the flight planning page, you can see that the computer has calculated the distances between the waypoints in the route. These distances can be checked against the en route charts. A common error is to misspell the name of a waypoint and, thus, mistakenly enter a waypoint not appropriate to the planned route (e.g., KHEE versus KHEF). Checking the waypoint distances for unusual numbers is a good way to spot these errors.


Highlighter Annotation

### Documents - Annotate - Text Box Added






### Adding a Document to Document Viewer:

- 1) From any page, tap **Home** > .
- 2) Tap the desired folder in which you would like to place the file, or select **Add Folder** to create a new folder to contain the document.
- 3) Choose **Catalog** to browse FAA documents and Garmin manuals or select a **Provider** (e.g. Google Drive, iCloud) to access your third-party storage account.
- 4) Tap the document to add the desired document to the folder.
- 5) Tap **Done**.

### Adding a Bookmark to Document Viewer:

- 1) From any page, tap **Home** > .


Or:

- 2) From the  or  page, tap  > **Widgets** > .
- 3) Tap the **Documents** or user named Folder to view Files.
- 4) Tap the desired file, then tap .



Document Viewer - File - Selection Bar

## Sorting Files in Document Viewer:

1) From any page, tap **Home** >  .

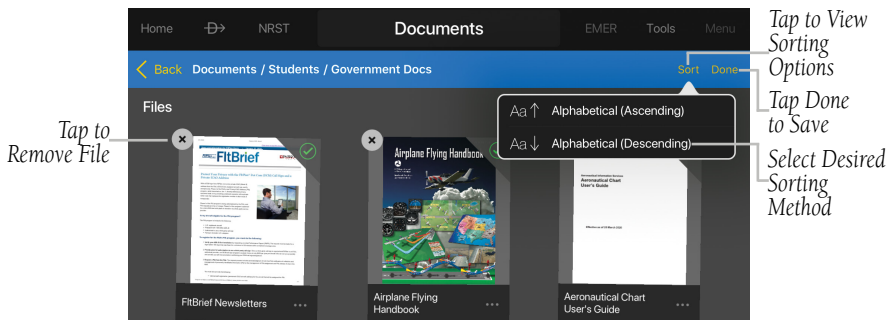
Or:

2) From the  or  page, tap  > **Widgets** >  .

3) Tap the **Documents** or user named Folder to view Files.


4) Long press any file or tap **Edit** to display a blue action bar across the top of the screen and tap **Sort**.

5) Select desired sorting method and tap **Done**.



Document Viewer - File - Sorting

## Sorting Folders in Document Viewer:

1) From any page, tap **Home** >  .

Or:

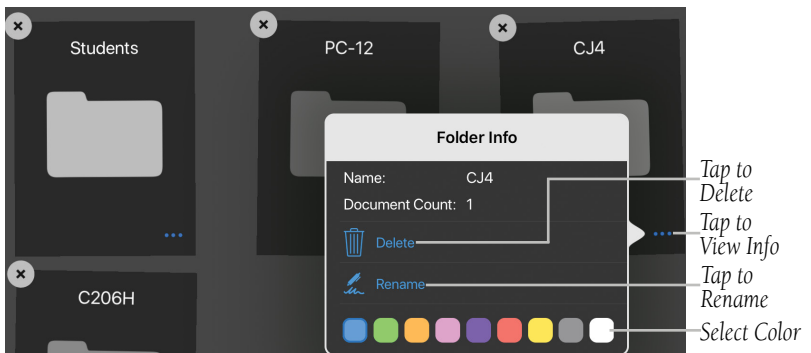
2) From the  or  page, tap  > **Widgets** >  .

3) Long press any folder or tap **Edit** to display a blue action bar across the top of the screen and tap **Sort**.

4) Select the desired sorting method and Tap **Done**.

### Customizing Folders in Document Viewer:

- 1) From any page, tap **Home** > .  
Or:
- 2) From the or page, tap > **Widgets** > .
- 3) Tap to View Info, Rename and/or select desired folder color.
- 4) Select the desired color and/or folder name, and Tap **Done**.



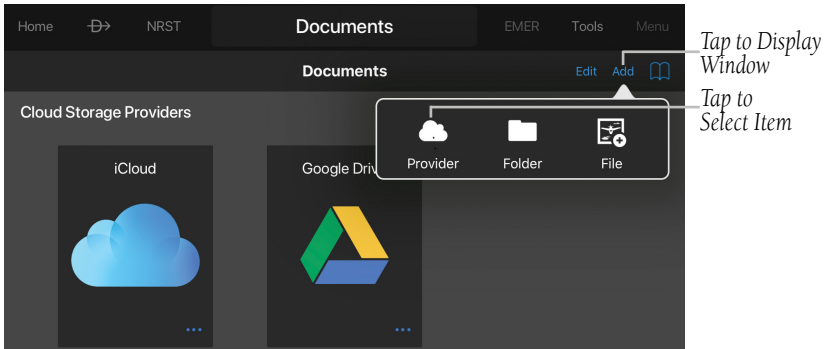
Document Viewer - Folder Info



**NOTE:** Documents deleted from third-party cloud storage providers will also be deleted from its stored folder within Garmin Pilot.


## Linking a third-party storage account to Document Viewer:

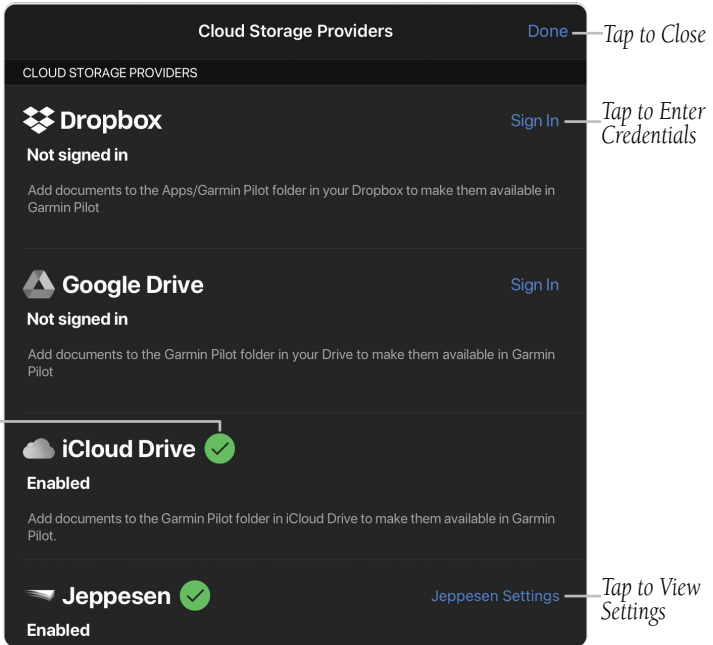
- 1) From any page, tap **Home** > .
- 2) Tap **Add** > **Provider** > **Sign In** to login with your third-party storage account credentials.



Document Viewer - Adding Provider

**Or:**

- 1) From any page, tap **Home** > .
- 2) Select **Documents** on the left, then select **Sign In** to login with your third-party account credentials.
- 3) Tap **Done**.



**Document Viewer - Cloud Storage Providers**



## WEIGHT AND BALANCE

### WEIGHT AND BALANCE FOR AIRPLANES


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Weight and balance is calculated within Garmin Pilot to determine if the airplane is properly loaded within CG limits. Garmin Pilot syncs the current flight plan to incorporate initial fuel and winds aloft data into the weight and balance calculations. Aircraft performance data may be imported from Garmin's aircraft library or manually entered from the aircraft's Pilot Operating Handbook (POH), into Garmin Pilot.

Garmin Pilot will display the following:

- Green circle with a check mark to denote the aircraft is properly loaded.
- Yellow circle with an exclamation point to indicate the aircraft is out of CG limits and a message identifying the problem to be resolved.

#### Accessing Weight and Balance:

- 1) From any page, tap **Home** > .
- 2) Tap to manually enter specific weight and balance data from the aircraft's Pilot Operating Handbook (POH) or import the data from Garmin's Aircraft Library.

Tap to Adjust View    Tap to Edit FPL



The screenshot shows the 'Weight & Balance' app interface for an N841LM aircraft. The left sidebar lists weight and balance items with 'Add Item' buttons. The right side shows a summary of aircraft weight and fuel load, a CG chart, and fuel usage details. Callouts point to various interactive elements:

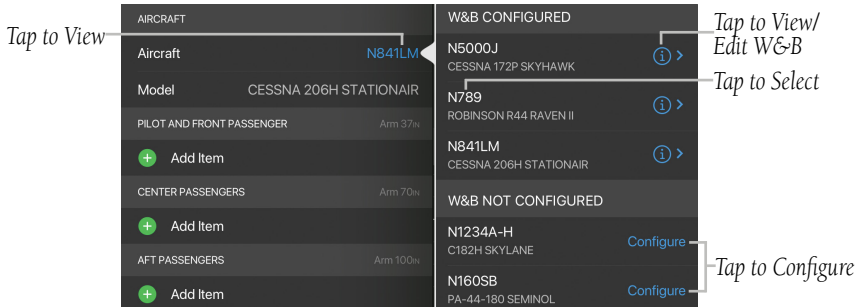
- Tap to Save Configuration:** Points to the top-left navigation icon.
- Tap to Select Aircraft:** Points to the aircraft model 'N841LM'.
- Tap to Adjust Arm:** Points to the 'Add Item' button for 'CENTER PASSENGERS'.
- Tap to Enter/Adjust:** Points to the 'Add Item' button for 'BAGGAGE (MAX 180 LB)'.
- Slide to Adjust Fuel:** Points to the fuel slider set at 118 GAL.
- Tap to View Quick Set Info:** Points to the 'Quick Set Fuel' button.
- Tap to Toggle On/Off:** Points to the 'Sync With Active FPL' toggle.
- CG Envelope Status:** Points to the green checkmark indicating the aircraft is loaded within the envelope.
- Tap to View/Edit:** Points to the fuel load value '118 GAL → 59.6 GAL'.
- CG Movement For Flight Plan:** Points to the CG chart showing Takeoff, Landing, and Zero Fuel points.
- Tap to Adjust Chart Display:** Points to the 'CG Envelope' button in the chart controls.
- Tap to Share:** Points to the 'Share Load Sheet' button.
- Tap to Toggle On/Off:** Points to the 'Show Detailed Results' toggle.

Weight and Balance - Airplane - List View






### Adjusting Weight and Balance - List View:

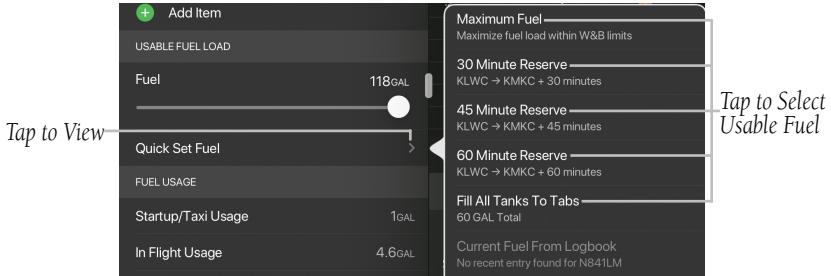
- 1) From any page, tap **Home** >  > **Show List View**.
- 2) Tap an Aircraft I.D., e.g. N841LM, to view a list of 'Configured' and 'Not Configured' aircraft.
- 3) Tap  to adjust Aircraft Weight and Balance info, if necessary, then tap the desired Aircraft I.D., e.g. N841LM.



#### Weight and Balance - Airplane - List View - Select Aircraft

- 4) Tap  **Add Item**.
- 5) Enter a **Name** (Optional) and **Weight** (lbs). Tap  **Save As Favorite**, if necessary.
- 6) Tap **Save** to continue or **Cancel** to exit without saving.
- 7) Tap  next to the desired item to remove.
- 8) Adjust the **Usable Fuel Load** slider, as desired.

**Or:** Tap **Quick Set Fuel** to view fuel load options, e.g. '60 Minute Reserve'.



**Weight and Balance - Airplane - List View - Usable Fuel - Quick Set Menu**

- 9) Scroll down to Settings, then toggle the button 'On/Off' next to **Sync With Active FPL, Weight Sliders, and Quick Entry Mode**, as desired.
- 10) If necessary, tap **Clear** to remove all data inputs.
- 11) In the Summary section on the right side of the screen, tap the Fuel Load to adjust, if necessary.
- 12) In the Chart section, adjust the display by tapping **CG Envelope, Moment Envelope, or Station Chart**.
- 13) Tap **Share Load Sheet** to view options, e.g. Email, AirDrop, Messages, etc.
- 14) Toggle the **Show Detailed Results** button 'On'/'Off', as desired.

✈️ NRST EMER
**Weight & Balance**  
KLWC → KMKC - Tap to Edit
Tools Menu

---

*Tap & Slide to Adjust Order*

*Tap to Delete*

*Scroll to View Additional Info*

Show Graphical View

**AIRCRAFT**

N841LM - Loaded Within Envelope ✔

Takeoff Weight 3,596.0.Lb

Landing Weight 3,568.1.Lb

Fuel Load 118.0gal → 112.4gal

**PILOT AND FRONT PASSENGER** Arm 37in

➖ Capt. Jill 200.Lb

➖ Capt. Jack 180.Lb

➕ Add Item

**CENTER PASSENGERS** Arm 70in

➖ Camera System 150.Lb

➕ Add Item

**AFT PASSENGERS** Arm 100in

➖ Spare Parts Kit 25.Lb

➕ Add Item

**BAGGAGE (MAX 180 LB)** Arm 127in

➖ Spare SSD's 10.Lb

➕ Add Item

**CARGO PACK (MAX 300 LB)** Arm 50in

➕ Add Item

**USABLE FUEL LOAD**

Fuel 118.gal

Quick Set Fuel >

**SUMMARY**

N841LM - Loaded Within Envelope ✔

Takeoff Weight 3,596.0.Lb

Landing Weight 3,568.1.Lb

Fuel Load 118.0gal → 112.4gal

**CHART**

● Takeoff ● Landing ● Zero Fuel

← Forward Longitudinal CG Aft →

CG Envelope Moment Envelope Station Chart

Share Load Sheet




Show Detailed Results

**FLIGHT PHASES**

Phase	Weight	CG	Moment
Empty	2,327 LB	42.32 IN	98,479 LB-IN
Ramp	3,602 LB	44.37 IN	159,824 LB-IN
Takeoff	3,596 LB	44.37 IN	159,544 LB-IN

**Weight and Balance - Airplane - List View - Data Entered**

## Adjusting Weight and Balance - Graphical View - Seats:

- 1) From any page, tap **Home** >  > **Show Graphical View**.
- 2) Tap an Aircraft I.D., e.g. N841LM, to view a list of 'Configured' and 'Not Configured' aircraft.
- 3) Tap  to adjust Aircraft Weight and Balance info, if necessary, then Tap the desired Aircraft I.D., e.g. N841LM.
- 4) Tap **Seats** to adjust the graphical display and view Pilot and Front Passenger, Center Passengers, and Aft Passengers.
- 5) Tap the appropriate 'seat' and enter weight (lbs).
- 6) To save to favorites, tap **Favorites > Add Favorites >  Add New Favorite**.
- 7) Enter a Name and Weight, then tap **Close**. The entry will now be saved and visible from the Favorites menu. Repeat steps 5-7 as needed, for the Center Passengers and Aft Passengers.
- 8) Adjust the **Usable Fuel Load** slider, as desired.  
**Or:** Tap **Quick Set Fuel** to view fuel load options, e.g. '60 Minute Reserve'.
- 9) Scroll down to Settings, then toggle the button 'On'/'Off' next to **Sync With Active FPL**, as desired.
- 10) If necessary, tap **Clear** to remove all data inputs.
- 11) In the Summary section on the right side of the screen, tap the Fuel Load to adjust, if necessary.
- 12) In the Chart section, adjust the display by tapping **CG Envelope, Moment Envelope**, or **Station Chart**.
- 13) Tap **Share Load Sheet** to view options, e.g. Email, AirDrop, Messages, etc.
- 14) Toggle the **Show Detailed Results** button 'On'/'Off', as desired.

Tap to Adjust View    Tap to Edit FPL

Tap to Save Configuration

Tap to Select Aircraft

Tap to View

Tap to Enter/Adjust

Slide to Adjust Fuel

Tap to View Quick Set Info

CG Envelope Status

Tap to View/Edit

CG Movement For Flight Plan

Tap to Adjust Chart




Tap to Share

Tap to Toggle On/Off

**Weight and Balance - Airplane - Graphical View - Seats**

The screenshot displays the 'Weight & Balance' interface for an airplane. The top bar shows 'NRST' and 'EMER' status, along with 'Tools' and 'Menu' options. The aircraft information includes 'N841LM' and 'CESSNA 206H STATIONAIR'. The 'SUMMARY' section shows 'N841LM - Loaded Within Envelope' with a green checkmark, 'Takeoff Weight' of 3,031.0 lb, 'Landing Weight' of 2,675.6 lb, and 'Fuel Load' of 118 GAL → 57.9 GAL. The 'CHART' section features a graph with 'Weight' on the y-axis and 'Longitudinal CG' on the x-axis, with points for 'Takeoff', 'Landing', and 'Zero Fuel'. The 'CG Envelope' is highlighted in blue. At the bottom, there is a 'USABLE FUEL LOAD' section with a 'Fuel' slider set to 118 GAL and a 'Quick Set Fuel' button.

## Adjusting Weight and Balance - Graphical View - Cargo:

- 1) From any page, tap **Home** >  > **Show Graphical View.**
- 2) Tap an Aircraft I.D., e.g. N841LM, to view a list of 'Configured' and 'Not Configured' aircraft.
- 3) Tap  to adjust Aircraft Weight and Balance info, if necessary, then Tap the desired Aircraft I.D., e.g. N841LM.
- 4) Tap **Cargo** towards the top of the screen to adjust the graphical display and view Cargo Pack and Baggage.
- 5) Tap the appropriate 'seat' and enter weight (lbs).
- 6) To save to favorites, tap **Favorites > Add Favorites >  Add New Favorite.**
- 7) Enter a Name and Weight, then tap **Close**. The entry will now be saved and visible from the Favorites menu. Repeat steps 5-7 as needed, for the Cargo Pack and Baggage.
- 8) Adjust the **Usable Fuel Load** slider, as desired.  
**Or:** Tap **Quick Set Fuel** to view fuel load options, e.g. '60 Minute Reserve'.
- 9) Scroll down to Settings, then toggle the button 'On/Off' next to **Sync With Active FPL**, as desired. If necessary, tap **Clear** to remove all data inputs.
- 10) In the Summary section on the right side of the screen, tap the Fuel Load to adjust, if necessary.
- 11) In the Chart section, adjust the display by tapping **CG Envelope, Moment Envelope**, or **Station Chart**.
- 12) Tap **Share Load Sheet** to view options, e.g. Email, AirDrop, Messages, etc.
- 13) Toggle the **Show Detailed Results** button 'On'/'Off', as desired.

Tap to Adjust View    Tap to Edit

The screenshot displays the 'Weight & Balance' interface for an airplane. The left pane shows aircraft details (Aircraft: N841LM, Model: CESSNA 206H STATIONAIR) and load sections for 'Cargo' (150.LB) and 'Baggage' (20.LB). The right pane shows a 'SUMMARY' with 'N841LM - Loaded Within Envelope' (green checkmark), 'Takeoff Weight: 3,546.0.Lb', 'Landing Weight: 3,186.9.Lb', and 'Fuel Load: 118.GAL → 57.3.GAL'. Below this is a 'CHART' showing 'Longitudinal CG' with 'CG Envelope', 'Moment Envelope', and 'Station Chart' options. A 'CG Movement for Flight Plan' diagram shows weight points for 'Takeoff', 'Landing', and 'Zero Fuel' relative to a 'Max TO/LDG' line. At the bottom, there are options for 'Share Load Sheet' and 'Show Detailed Results'.

Tap to View/Adjust Aircraft

Tap to View

Tap to Enter/Adjust

Load Allowance Status Bar

Slide to Adjust Usable Fuel

Tap to View Quick Set Info

Tap to Adjust

CG Movement for Flight Plan



Tap to Adjust Chart Display

Tap to Share

Tap to Toggle 'On/Off'

Weight and Balance - Airplane - Graphical View - Cargo - Data Entered

## Adjusting Weight and Balance - Graphical View - Fuel:

- 1) From any page, tap **Home** >  > **Show Graphical View**.
- 2) Tap an Aircraft I.D., e.g. N841LM, to view a list of 'Configured' and 'Not Configured' aircraft.
- 3) Tap  to adjust Aircraft Weight and Balance info, if necessary, then Tap the desired Aircraft I.D., e.g. N841LM.
- 4) Tap **Fuel** towards the top of the screen on the lefthand side to adjust the graphical display and view the fuel tank(s).
- 5) Tap the appropriate fuel tank and enter the number of gallons.
- 6) Adjust the **Usable Fuel Load** slider, as desired.  
**Or:** Tap **Quick Set Fuel** to view fuel load options, e.g. '60 Minute Reserve'.
- 7) Scroll down to Settings, then toggle the button 'On/Off' next to **Sync With Active FPL**, as desired. If necessary, tap **Clear** to remove all data inputs.
- 8) In the Summary section on the right side of the screen, tap the Fuel Load to adjust, if necessary.
- 9) In the Chart section, adjust the display by tapping **CG Envelope**, **Moment Envelope**, or **Station Chart**.
- 10) Tap **Share Load Sheet** to view options, e.g. Email, AirDrop, Messages, etc.
- 11) Toggle the **Show Detailed Results** button 'On'/'Off', as desired.



Tap to Adjust View    Tap to Edit

Tap to View/Adjust Aircraft

Tap to View

Tap to Enter/Adjust Load Allowance Status Bar

Tap to Adjust

CG Movement for Flight Plan

Tap to Adjust Chart Display

Tap to Share

Tap to Toggle 'On/Off'

Slide to Adjust Usable Fuel

Tap to View Quick Set Info

Category	Value
Aircraft	NB41LM
Model	CESSNA 206H STATIONAIR
Takeoff Weight	3,546.0 lb
Landing Weight	3,186.9 lb
Fuel Load	118 GAL → 57.3 GAL

Phase	Weight	Longitudinal CG
Takeoff	3,546.0 lb	CG Point 1
Landing	3,186.9 lb	CG Point 2
Zero Fuel	~3,000 lb	CG Point 3

Weight and Balance - Airplane - Graphical View - Fuel - Data Entered


## WEIGHT AND BALANCE FOR HELICOPTERS

Rotary-wing pilots can calculate weight and balance calculations for helicopters within Garmin Pilot to determine if the helicopter is properly loaded within CG limits. Garmin Pilot syncs the current flight plan to incorporate initial fuel and winds aloft data into the weight and balance calculations. Helicopter performance data may be imported from Garmin's aircraft library or manually entered from the Helicopter Flight Manual into Garmin Pilot.



Garmin Pilot will display the following:

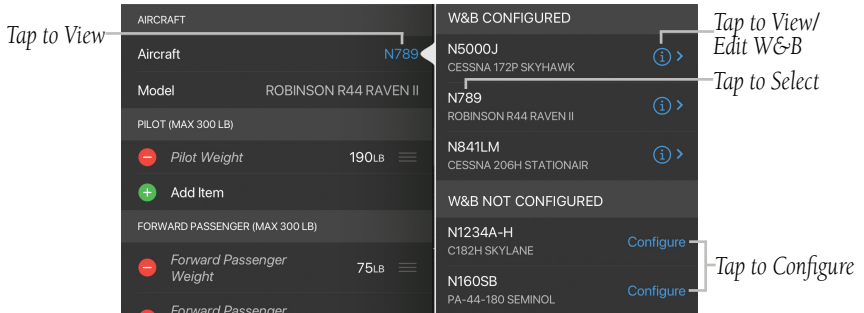
- Green circle with a check mark to denote the helicopter is properly loaded.
- Yellow circle with exclamation point to indicate the helicopter is out of CG limits and a message identifying the problem to be resolved.

### Accessing Weight and Balance:

- 1) From any page, tap **Home** > .
- 2) Tap to manually enter longitudinal, lateral and 2-D station, and equipment positioning data from the helicopter's flight manual or import data from Garmin's aircraft library.

### Adjusting Weight and Balance - List View:

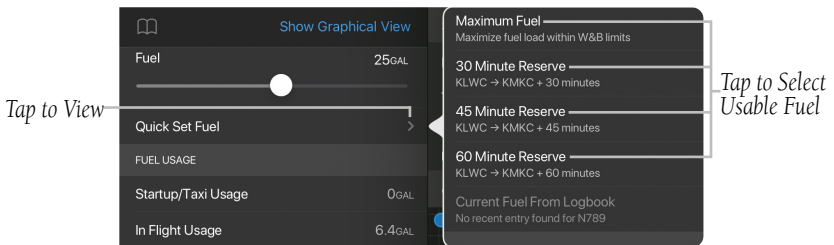
- 1) From any page, tap **Home** >  > **Show List View**.
- 2) Tap an Aircraft I.D., e.g. N789, to view a list of 'Configured' and 'Not Configured' aircraft.
- 3) Tap  to adjust Aircraft Weight and Balance info, if necessary, then Tap the desired Aircraft I.D., e.g. N789.



**Weight and Balance - Rotorcraft - List View - Select Aircraft**

- 4) Tap **Add Item**.
- 5) Enter a **Name** (Optional) and **Weight (lbs)**. Tap **Save As Favorite**, if necessary.
- 6) Tap **Save** to continue or **Cancel** to exit without saving.
- 7) Tap next to the desired item to remove.
- 8) Adjust the **Usable Fuel Load** slider, as desired.

**Or:** Tap **Quick Set Fuel** to view fuel load options, e.g. '60 Minute Reserve'.



**Weight and Balance - Rotorcraft - List View - Usable Fuel - Quick Set Menu**

- 9) Scroll down to Optional Equipment, then check the necessary equipment, e.g. Removeable Pedals, Removeable Cyclic, etc.
- 10) Scroll down to Settings, then toggle the button 'On/Off' next to **Sync With Active FPL, Weight Sliders**, and **Quick Entry Mode**, as desired.
- 11) If necessary, tap **Clear** to remove all data inputs.
- 12) In the Summary section on the upper right side of the screen, tap the Fuel Load to adjust, if necessary.
- 13) In the Chart section, adjust the display by tapping **CG Envelope, Moment Envelope, Station Chart, Longitudinal Axis**, or **Lateral Axis**.
- 14) Tap **Share Load Sheet** to view options, e.g. Email, AirDrop, Messages, etc.
- 15) Toggle the **Show Detailed Results** button 'On'/'Off', as desired.
- 16) Tap the desired Detailed Results Axis, **Longitudinal** or **Lateral**.

Tap to Adjust View      Tap to Edit FPL

Tap to Save Configuration

Tap to View/Adjust Aircraft

Tap to Delete

Tap to Add Max Load for Area

Tap & Slide to Adjust Order

Scroll to View Additional Info

CG Envelope Status

Tap to View/Edit

CG Movement for Flight Plan

Tap to Adjust Chart

Tap to Adjust Axis




Tap to Share

Toggle On/Off

Tap to Adjust Axis

**Weight and Balance - Rotorcraft - List View - Data Entered**

## Adjusting Weight and Balance - Graphical View - Seats:

- 1) From any page, tap **Home** >  > **Show Graphical View.**
- 2) Tap an Aircraft I.D., e.g. NN789, to view a list of 'Configured' and 'Not Configured' aircraft.
- 3) Tap  to adjust Aircraft Weight and Balance info, if necessary, then Tap the desired Aircraft I.D., e.g. N789.
- 4) Tap **Seats** to adjust the graphical display and view Forward Passenger, Pilot, Left Aft Passenger, Right Aft Passenger, and Fuel.
- 5) Tap the appropriate 'seat' and enter weight (lbs).
- 6) Tap the Fuel tank and enter the amount of fuel (gallons).
- 7) To save to favorites, tap **Favorites > Add Favorites >  Add New Favorite.**
- 8) Enter a Name and Weight, then tap **Close**. The entry will now be saved and visible from the Favorites menu. Repeat steps 5-7 as needed, for the remaining 'seats'.
- 9) Adjust the **Usable Fuel Load** slider, as desired.  
**Or:** Tap **Quick Set Fuel** to view fuel load options, e.g. '60 Minute Reserve'.
- 10) Scroll down to Settings, then toggle the button 'On'/'Off' next to **Sync With Active FPL**, as desired.
- 11) If necessary, tap **Clear** to remove all data inputs.
- 12) In the Summary section on the upper right side of the screen, tap the Fuel Load to adjust, if necessary.
- 13) In the Chart section, adjust the display by tapping **CG Envelope, Moment Envelope, Station Chart, Longitudinal Axis, or Lateral Axis.**
- 14) Tap **Share Load Sheet** to view options, e.g. Email, AirDrop, Messages, etc.
- 15) Toggle the **Show Detailed Results** button 'On'/'Off', as desired.
- 16) Tap the desired Detailed Results Axis, **Longitudinal** or **Lateral**.

*Tap to Adjust View*      *Tap to Edit FPL*

*Tap to Save Configuration*

*Tap to Select Aircraft*

*Tap to View*

*Tap to Adjust View*

*CG Envelope Status*

*Tap to View/Edit*

*CG Movement For Flight Plan*

*Tap to Adjust Chart*

*Tap to Adjust Axis*

*Tap to Share*

*Toggle On/Off*

*Tap to Adjust Axis*

*Tap to Enter/Adjust*




*Load Allowance Status Bar*

*Scroll to View Additional Info*

Phase	Weight	Longitudinal	
		CG	Moment
Empty	1,523 LB	107 IN	162,961 LB-IN
Ramp	2,393.4 LB	93.87 IN	224,669 LB-IN

**Weight and Balance - Rotorcraft - Graphical View - Seats**

## Adjusting Weight and Balance - Graphical View - Cargo:

- 1) From any page, tap **Home** >  > **Show Graphical View.**
- 2) Tap an Aircraft I.D., e.g. NN789, to view a list of 'Configured' and 'Not Configured' aircraft.
- 3) Tap  to adjust Aircraft Weight and Balance info, if necessary, then Tap the desired Aircraft I.D., e.g. N789.
- 4) Tap **Cargo** to adjust the graphical display and view Bag Under Passenger, Baggage Under Pilot, Left Aft Bag Under Seat, and Right Aft Bag Under Seat.
- 5) Tap the appropriate 'seat' and enter weight (lbs).
- 6) To save to favorites, tap **Favorites** > **Add Favorites** >  **Add New Favorite.**
- 7) Enter a Name and Weight, then tap **Close.** The entry will now be saved and visible from the Favorites menu. Repeat steps 5-7 as needed, for the remaining 'seats'.
- 8) Adjust the **Usable Fuel Load** slider, as desired.  
**Or:** Tap **Quick Set Fuel** to view fuel load options, e.g. '60 Minute Reserve'.
- 9) Scroll down to Settings, then toggle the button 'On'/'Off' next to **Sync With Active FPL**, as desired.
- 10) If necessary, tap **Clear** to remove all data inputs.
- 11) In the Summary section on the upper right side of the screen, tap the Fuel Load to adjust, if necessary.
- 12) In the Chart section, adjust the display by tapping **CG Envelope, Moment Envelope, Station Chart, Longitudinal Axis**, or **Lateral Axis.**
- 13) Tap **Share Load Sheet** to view options, e.g. Email, AirDrop, Messages, etc.
- 14) Toggle the **Show Detailed Results** button 'On'/'Off', as desired.
- 15) Tap the desired Detailed Results Axis, **Longitudinal** or **Lateral.**



*Tap to Adjust View*      *Tap to Edit FPL*

*Tap to Save Configuration*

*Tap to Select Aircraft*

*Tap to View*

*Tap to Enter/Adjust*

*Load Allowance Status Bar*

*CG Envelope Status*

*Tap to View/Edit*

*Tap to Adjust Chart*

*Tap to Share*



*Toggle On/Off*

*Tap to Adjust Axis*

*Scroll to View Additional Info*

**Weight and Balance - Rotorcraft - Graphical View - Cargo**

## Adjusting Weight and Balance - Graphical View - Optional:

- 1) From any page, tap **Home** >  > **Show Graphical View.**
- 2) Tap an Aircraft I.D., e.g. NN789, to view a list of 'Configured' and 'Not Configured' aircraft.
- 3) Tap  to adjust Aircraft Weight and Balance info, if necessary, then Tap the desired Aircraft I.D., e.g. N789.
- 4) Tap **Optional** to adjust the graphical display and view Removeable Pedals, Collective, Forward and Aft Doors.
- 5) Tap to toggle whether the equipment is installed or not. When equipment is adjusted, the weight and balance automatically adjusts.
- 6) Adjust the **Usable Fuel Load** slider, as desired.  
**Or:** Tap **Quick Set Fuel** to view fuel load options, e.g. '60 Minute Reserve'.
- 7) Scroll down to Settings, then toggle the button 'On'/'Off' next to **Sync With Active FPL**, as desired.
- 8) If necessary, tap **Clear** to remove all data inputs.
- 9) In the Summary section on the upper right side of the screen, tap the Fuel Load to adjust, if necessary.
- 10) In the Chart section, adjust the display by tapping **CG Envelope, Moment Envelope, Station Chart, Longitudinal Axis**, or **Lateral Axis**.
- 11) Tap **Share Load Sheet** to view options, e.g. Email, AirDrop, Messages, etc.
- 12) Toggle the **Show Detailed Results** button 'On'/'Off', as desired.
- 13) Tap the desired Detailed Results Axis, **Longitudinal** or **Lateral**.

Tap to Adjust View    Tap to Edit FPL

Tap to Save Configuration

Tap to Select Aircraft

Tap to View

Tap to View Info

Tap to Toggle Equipment 'On/Off'

CG Envelope Status

Tap to View/Edit

CG Movement For Flight Plan

Tap to Adjust Chart

Tap to Adjust Axis

Tap to Share

Toggle On/Off

Tap to Adjust Axis

Scroll to View Additional Info

Phase	Weight	CG	Longitudinal Moment
Empty	1,516 LB	107.15 IN	162,433 LB-IN
Ramp	2,386.4 LB	93.92 IN	224,141 LB-IN


### Weight and Balance - Rotorcraft - Graphical View - Optional



## CHECKLISTS

Specific aircraft electronic checklists can be viewed in Garmin Pilot to ensure proper flight procedures. Checklists display the item with the preferred state or outcome, along with a green checkmark to confirm the step has been completed. Checklists are fully customizable to meet the pilot's preferences.

### Viewing an aircraft checklist:

- 1) From any page, tap **Home** > .
- 2) Tap the desired aircraft model from the Garmin library under **Checklist Binders** or add a new checklist binder by manually entering the information from the aircraft's Pilot Operating Handbook (POH), into Gamin Pilot or flyGarmin.
- 3) Tap the desired procedure.
- 4) Tap the appropriate step to indicate that is has been completed. A green checkmark will indicate the step has been completed.
- 5) Tap the **Clear** button to clear all of the completed checklist items in the selected checklist category.
- 6) Tap the **Clear All** button to clear all of the completed checklist items.

Current Aircraft Binder

Tap to Clear Current Checklist

Tap Checklist Category

Tap Checklist Type

Tap to Check Item Complete or Incomplete

Tap to Clear All Checklists

Tap to Progress Through Checklist

Tap to Edit



Checklist Item	Status
Required Documents	ON BOARD
Avionics Power Switch	OFF
Battery 2 Master Switch	ON
PFD	VERIFY ON
Essential Bus Voltage	23-25 VOLTS
Flap Position Light	OUT
Battery 1 Master Switch	ON
Avionics Cooling Fan	AUDIBLE
Avionics Master Switch	ON
Fuel Quantity	CHECK
Fuel Selector	SELECT FULLEST TANK
Flaps	100%, CHECK LIGHT ON

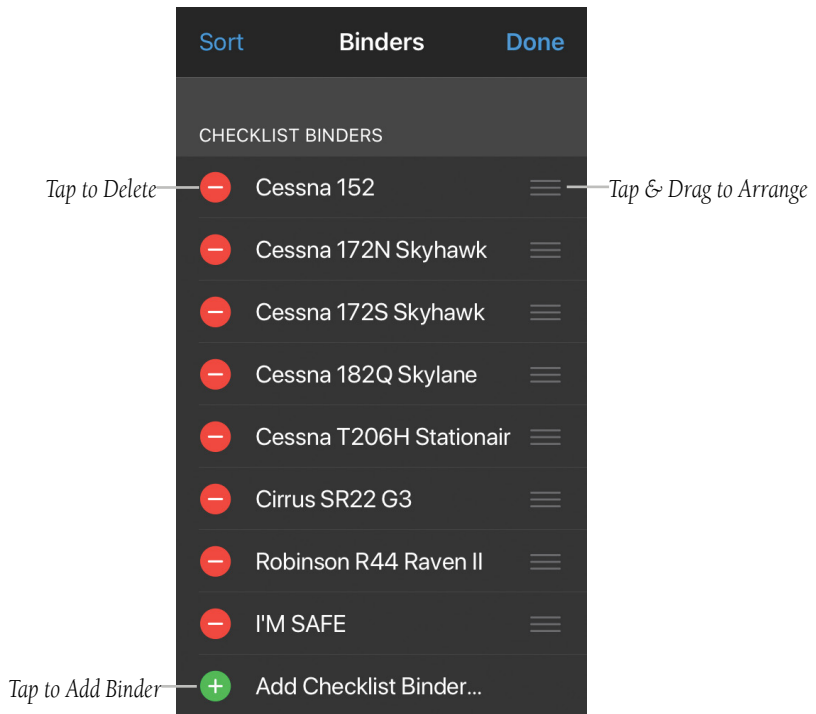
### Digital Aircraft Checklists - Preflight

## CUSTOMIZE ORDER OF CHECKLIST BINDERS

Pilots who operate multiple aircraft types are able to customize the order of their checklist binders.

### Arranging the order of checklist binders:

- 1) From any page, tap **Home** >  .
- 2) Tap **Edit**.
- 3) Tap  and drag to arrange the fields in the desired order.
- 4) Tap **Done**.



Sorting Checklist Binders Order



## DOWNLOADS



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**NOTE:** If charts are not downloaded to the device they will not be available for viewing without a data connection. Download all applicable charts for your planned flight including alternates.

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**NOTE:** Chart files can be very large and may take some time to download. It is recommended that downloads be done over Wi-Fi. Additional charges may apply for downloads done over a cellular network. Ensure adequate space is available on the device for all applicable charts to download.

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**NOTE:** With the availability of electronic charts in Garmin Pilot, it is still advisable to carry another source of charts on board the aircraft.

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### Key points to remember about downloads:

- On-demand content may be downloaded anytime the app is running and the unit is receiving Wi-Fi or Cell service.
- On-demand content may not work in the air when data coverage is weak or unavailable.
- Charts and navigation data should be downloaded or updated prior to flight. This ensures that charts and navigation data will be available even when out of data coverage.
- The onboard weather and aviation databases (NOTAMs, TFRs, PIREPs, Winds, METARs, TAFs, and AIR/SIGMETs) are automatically updated when the app is running and the unit is within data coverage.

The Downloads Menu is divided into six sections. The Navigation & Basemaps section allows for downloading Navigation Data, OpenStreetMap, and Enhanced Map Data. The Terrain & Obstacles sections allows for downloading Obstacle Databases and Terrain Databases. The Airport Information section allows for downloading Airport Info, Runway Diagrams, Airport/Facility Directory (A/FD), Canada Flight Supplement (CFS) information, and Aeronautical Information Publications (AIP) for Europe. The VFR/IFR ENROUTE CHARTS section allows for downloading VFR Aeronautical Charts, VFR Helicopter Charts, and IFR Low and High Altitude Charts. TAXI DIAGRAMS (GEO-REFERENCED) section allows for downloading SafeTaxi Airport Diagrams. The Terminal Procedures & Airport Diagrams section allows downloading FliteCharts for Instrument Procedures.

The Downloads Menu is divided into two columns. The Left column shows items available for download as indicated by the blue down arrows () or blue text. The right column is the Download Queue which shows the download status and a list of queued downloads. The available space on the host device is shown at the bottom of the Downloads Page. If the device does not have enough free space to support the queued downloads, the app will generate a pop up notification.

The submenus for VFR Aeronautical Charts, and IFR Low and High Altitude Charts display the Chart Selection Screen, which is a map showing the charts areas as blue outlines, or in some cases a blue arrow next to the chart name will indicate available for download. To select all available charts tap **Select All** in the lower left corner or tap the area outlined in a different color for the desired chart(s). After selecting the chart(s) to be downloaded tap **Download** in the upper right corner. Terminal Procedure charts can be viewed and downloaded from the Airport Info Page, under the Procedures tab as well.



Downloads

U.S. VFR Sectionals CONUS Download

Tools Menu

Chart Selection - VFR - CONUS

Tap to Select All Charts

Tap to Delete All Charts

Chart is Onboard & Up-to-date

Chart is Ready For Download

Tap to Download

Download Item Quantity & Time Remaining

The screenshot shows the 'Downloads Page' in the Garmin Pilot app. At the top, it indicates 'Downloading 6 items' with '22 minutes remaining'. The page is divided into several sections: 'Downloads in progress...', 'Downloaded', and 'Queued'. The 'Downloads in progress...' section includes categories like 'Regions' (United States), 'NAVIGATION & BASEMAPS', 'TERRAIN & OBSTACLES', and 'AIRPORT INFORMATION'. Each item shows its name, progress bar, and a 'Cycle' number. For example, 'U.S. OpenStreetMap' is 'Queued (55)', 'U.S., Canada & Europe Obstacles' is 'Valid to Aug 14, 2019 - 7ms' and 'U.S. Airport Information' is 'Valid to Aug 14, 2019 - 7ms'. The 'Downloaded' section shows 'U.S. IFR Enroute High Charts: H08' (36ms of 132ms) and 'U.S. IFR Enroute High Charts: H02' (15ms of 44ms). The 'Queued' section shows 'U.S. OpenStreetMap: Pennsylvania' (10ms of 76ms) and 'U.S. OpenStreetMap: Utah' (15ms of 49ms). At the bottom, a 'Device Capacity Info' bar shows 'Other Apps / Data' (11.46 GB), 'Garmin Pilot' (9.27 GB), and 'Available' (36.88 GB). Annotations on the right side include: 'Download Size & Status' pointing to the progress bar, 'Cancel Download' pointing to the 'X' icon, 'Pause Download' pointing to the pause icon, 'Download Progress & Cycle Number' pointing to the progress bar and cycle number, and 'Tap to Expand Submenu' pointing to the right arrow icon.

Regions Filter

Download All Button

Update All Button

Update Status

Download Size & Status

Cancel Download

Pause Download

Download Progress & Cycle Number

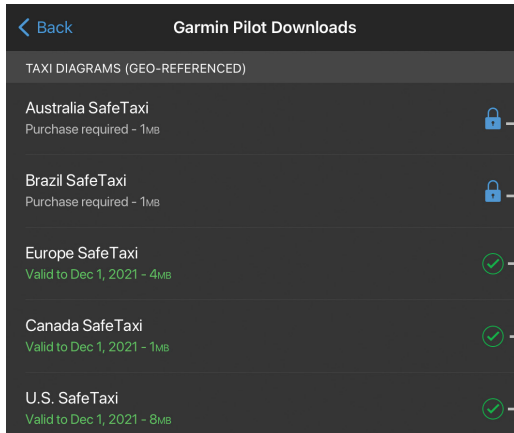
Tap to Expand Submenu

Device Capacity Info

Downloads Page



**NOTE:**  = an appropriate subscription is required before downloading.



Subscription Needed




Successful Download

Downloads - Locked





## DOWNLOADING JEPPESEN CHARTS

Jeppesen charts and procedures are available in Garmin Pilot when the app is configured with an active Jeppesen subscription. When Jeppesen charts are downloaded onto the tablet, the Downloads page displays either Garmin-published downloads or Jeppesen downloads. If the Downloads page is not showing the desired set of downloads, tap the 'Back' button in the upper left to choose the other set.


### Downloading Navigation Data, Enhanced Basemap, Airport Info, Obstacle, Terrain or SafeTaxi:

- 1) From any page, tap **Home** > .
- 2) If prompted, choose either **Garmin Pilot Downloads** or **Jeppesen Charts Downloads**.
- 3) If necessary, tap **Regions** and enable the desired regions in the list.
- 4) If necessary, tap the  and select the desired region.
- 5) Tap  to begin downloading the desired information.


### Downloading Current Airport/Facility Directory:

- 1) From any page, tap **Home** > .
- 2) If prompted, choose either **Garmin Pilot Downloads** or **Jeppesen Charts Downloads**.
- 3) Tap the '**U.S. Chart Supplement (A/FD)** or **Airport Documents**'  to display the submenu.
- 4) Tap  for the Region to download.  The download will begin immediately as shown in the Download Queue.

### Downloading Next Cycle Airport/Facility Directory:

- 1) From any page, tap **Home** > .
- 2) If prompted, choose either **Garmin Pilot Downloads** or **Jeppesen Charts Downloads**.
- 3) Tap '**U.S. Chart Supplement (A/FD)** or **Airport Documents**'  to display the submenu.
- 4) Tap  for the Region and tap the desired cycle from the popup menu.

### Downloading Aeronautical, IFR Low Altitude, or IFR High Altitude Charts:




- 1) From any page, tap **Home** > .
- 2) If prompted, choose either **Garmin Pilot Downloads** or **Jeppesen Charts Downloads**.
- 3) If necessary, tap **Regions** and enable the desired regions in the list.
- 4) Tap  next to the desired chart to display the submenu.
- 5) If necessary, tap  next to the desired country.
- 6) Tap  next to the desired region.

- 7) If applicable, tap **Next: Starts...** to view the charts available for the next update cycle.
- 8) Tap the desired area on the Chart Selection Screen for the desired chart(s).
- 9) Tap **Download** to download the selected chart(s). The download will begin immediately as shown in the Download Queue.




**Or:**

Tap **Select All > Download**, to download all available charts.

**Downloading Current Instrument Procedures:**

- 1) From any page, tap **Home** > .
- 2) If prompted, choose either **Garmin Pilot Downloads** or **Jeppesen Charts Downloads**.
- 3) If necessary, tap **Regions** and enable the desired regions in the list.
- 4) Tap the  next to the desired FliteCharts to display the submenu.
- 5) Tap  for the Region or State to download. The download will begin immediately as shown in the Download Queue.


**Downloading Next Cycle Instrument Procedures:**

- 1) From any page, tap **Home** > .
- 2) If prompted, choose either **Garmin Pilot Downloads** or **Jeppesen Charts Downloads**.
- 3) If necessary, tap **Regions** and enable the desired regions in the list.
- 4) Tap the  next to the desired FliteCharts to display the submenu.
- 5) Tap  for the Region and tap the desired cycle from the popup menu.


### Refreshing the Downloads Page:

- 1) From any page, tap **Home** > .
- 2) If prompted, choose either **Garmin Pilot Downloads** or **Jeppesen Charts Downloads**.
- 3) Tap the left side of the page and drag down.

### Downloading U.S. VFR Helicopter Charts:

- 1) From any page, tap **Home** > .
- 2) If prompted, choose either **Garmin Pilot Downloads** or **Jeppesen Charts Downloads**.
- 3) If necessary, tap **Regions** and enable the desired regions in the list.
- 4) Tap '**VFR - Helicopter Charts**' > to display the submenu.
- 5) Tap '**U.S. VFR - Helicopter Charts**' > to display the submenu.

**Or:**

- Tap '**Gulf VFR - Helicopter Charts**' > to display the submenu.
- 6) Tap  next to the desired map. The download will begin immediately as shown in the Download Queue.

## CHART UPDATES



**NOTE:** *Electronic Charts are updated frequently. Always ensure the charts saved to the device are up-to-date prior to each flight. With the availability of electronic charts, it is still advisable to carry another source of charts onboard the aircraft.*

Garmin Pilot makes it easy to ensure that charts are always up-to-date by displaying the number of available updates in a banner on the Garmin Pilot App Icon as well as on the Downloads Button. Also when updates are available the **Update All** button becomes active. If no updates are available, **Update All** is subdued, indicating that no updates are available.

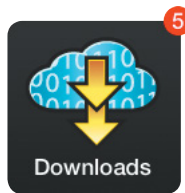
Charts that have been downloaded to the device are always available for viewing even after their expiration date, but are replaced with current charts when an update is downloaded.

### Selecting Auto-Download for Jeppesen Updates:

- 1) From any page, tap **Home** >  > **Downloads**.
- 2) Tap the **Auto-Download Jeppesen Updates** button.






Updates Available




Updates Available




## Updating Aeronautical, IFR Low, or IFR High Altitude Charts:

- 1) From any page, tap **Home** > .
- 2) If necessary, tap **Regions** and enable the desired regions in the list.
- 3) Tap the  next to the desired chart to display the submenu.
- 4) If necessary, tap the  next to the desired country.
  - a) Tap **Update All** to update all available charts.
  - b) Tap **Update**.

**Or:**

  - a) Tap the  next to the desired region.
  - b) Tap the expired chart(s) shown in red.
  - c) Tap **Download**.

## Updating Instrument Procedures:

- 1) From any page, tap **Home** > .
- 2) If necessary, tap **Regions** and enable the desired regions in the list.
- 3) Tap the  next to the desired FliteCharts to display the submenu.
- 4) Tap  for the Region or State to update.

**Or:**

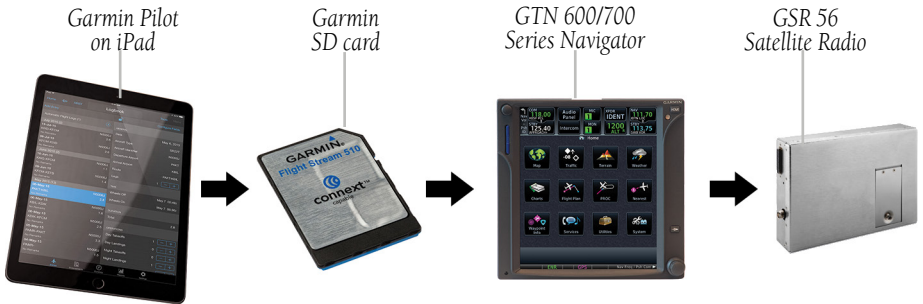
Tap **Update All** > **Update**.





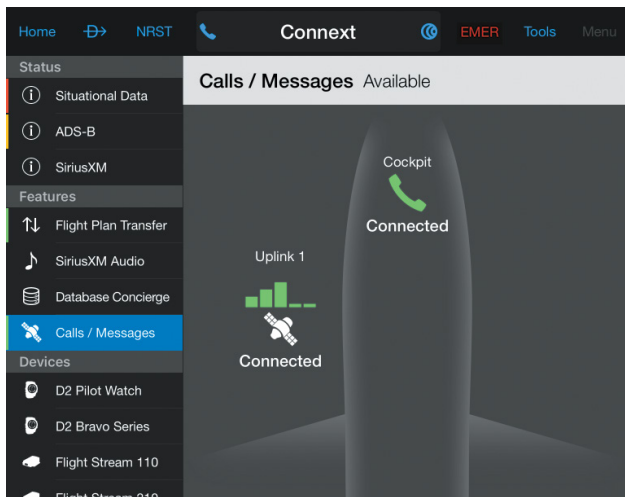
## IRIDIUM DATALINK

Garmin Pilot can connect to the Iridium satellite network in aircraft equipped with a Flight Stream 510, GTN 6xx/7xx series navigator and a GSR 56 satellite radio.



**Iridium Datalink Connection Equipment**





Once connected, Garmin Pilot has access to Iridium phone services and SMS text messaging. In addition, if the GTN navigator is connected to the cockpit audio panel, Garmin Pilot can be used to make and receive phone calls over the intercom.



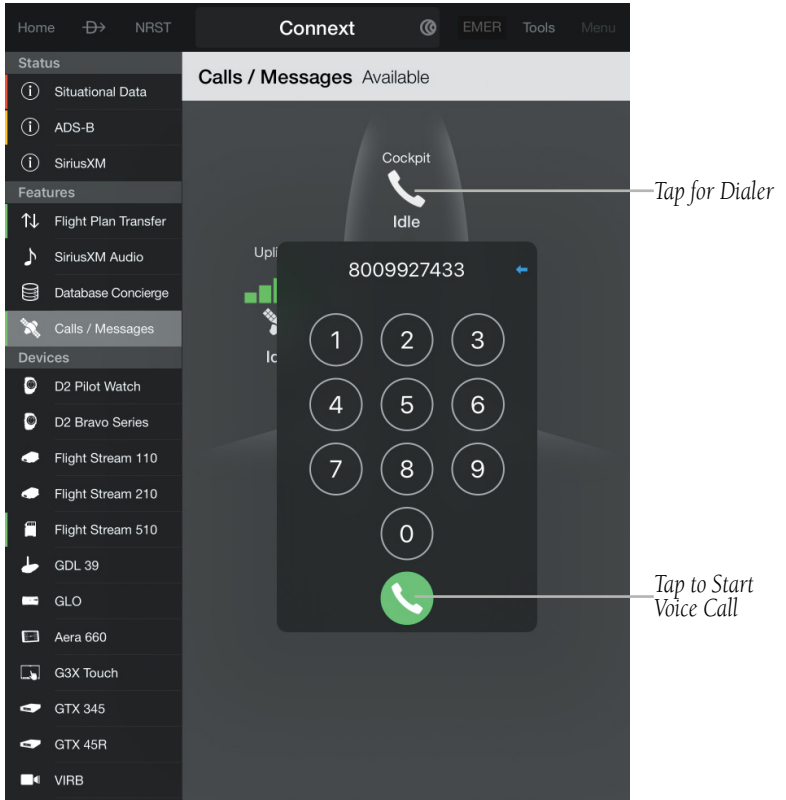
Calls &amp; Messages Connxt Page

Garmin Pilot can both dial phone numbers directly, and can use the phone numbers and e-mail addresses in the iOS Contacts app. Dialed phone calls are made from the Devices page and call audio is routed through the GTN navigator, and then to the audio panel connected to the GTN.

### Making a Phone Call:




- 1) From any screen, tap **Home** >  > **Calls / Messages**.
- 2) Tap any green phone icon .
- 3) Enter the phone number to call.
- 4) Tap the green send icon .
- 5) To disconnect when the conversation is done, tap the green phone icon .

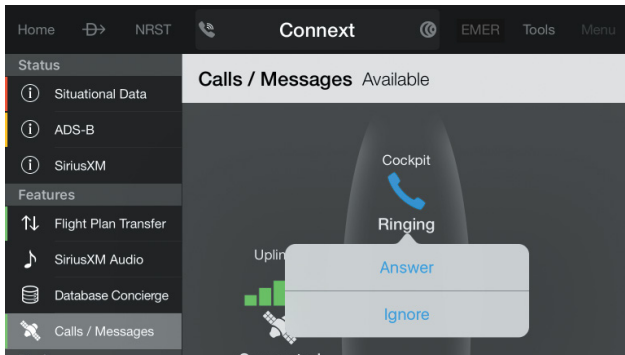
6) Tap End Call.



Calls & Messages - Outgoing Call

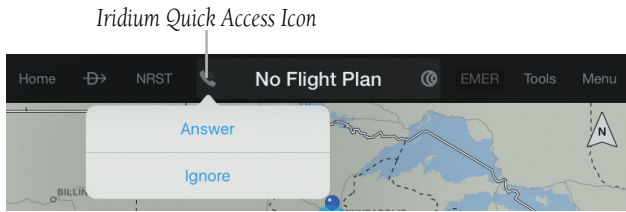
### Answering a Phone Call:

- 1) From any screen, tap **Home** >  > **Calls & Messages**.
  - 2) Tap a blue ringing phone icon .
  - 3) Tap **Answer** to receive the call.
- Or:** Tap **Ignore** to decline the call.
- 4) To disconnect when the conversation is done, tap the green phone icon .
  - 5) Tap **End Call**.



**Calls & Messages - Incoming Call**

Additionally, active Iridium connections add a Calls and Messages Quick Access Icon to the title bar. This icon shows when calls are ringing or active from any Garmin Pilot page. Tapping the Quick Access Icon provides options to answer, ignore, and hang up calls.

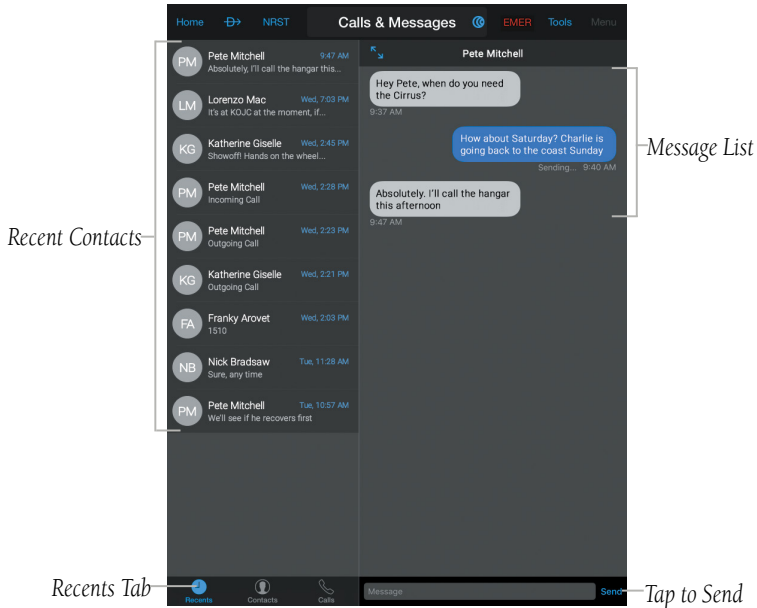


Iridium Phone Access From Map Page



The majority of call and messages options are available from the Calls & Messages page. From any page, tap **Home** > **Calls & Messages**. The Calls & Messages page shows Recent, Contacts, and Calls tabs.

The **Recents** tab shows a log of recent contacts on the left hand side, sorted by time with the most recent on top. This list shows only contacts that have communicated through Garmin Pilot. Tapping one of these entries will display, on the right hand side of the page, the communications for that contact.

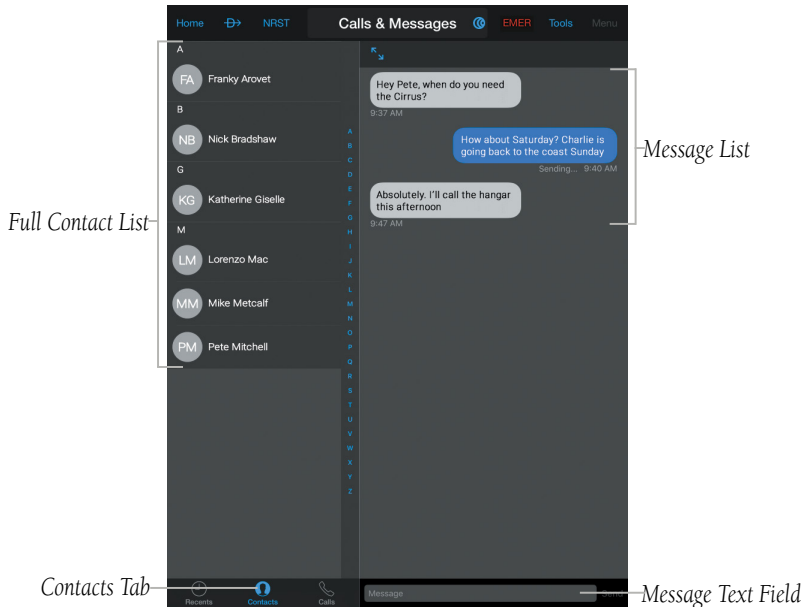


## Calls & Messages - Recents Tab

The Contacts tab shows the full list of contacts on the left hand side, sorted alphabetically. This list is pulled from the iOS Contacts app common to every iOS device. Tapping one of these entries will display the communications for that contact on the right hand side of the page. Tap on the Message text field to send a new message.



## Sending a Text Message:

- 1) From any screen, tap **Home** > **Calls & Messages**.
- 2) Tap the **Contacts** button.
- 3) Select a contact from the list to send a text message to.
- 4) Tap the Message text field and enter desired message.
- 5) Tap **Send**.



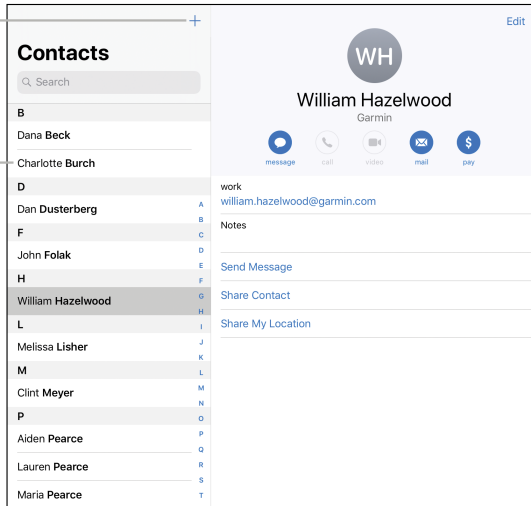
**Calls & Messages - Contacts Tab**

### Adding or Editing a Contact:

- 1) From the iPad home screen, tap .
- 2) Tap the plus button .
- Or:** Tap **Edit** to edit an existing contact.
- 3) Enter any relevant contact information. Iridium calling requires a working phone number, and Iridium messaging requires a phone number that can receive SMS messages.
- 4) Tap **Done**.
- 5) Return to the Garmin Pilot app and tap **Home > Calls & Messages**.

Add New Contact

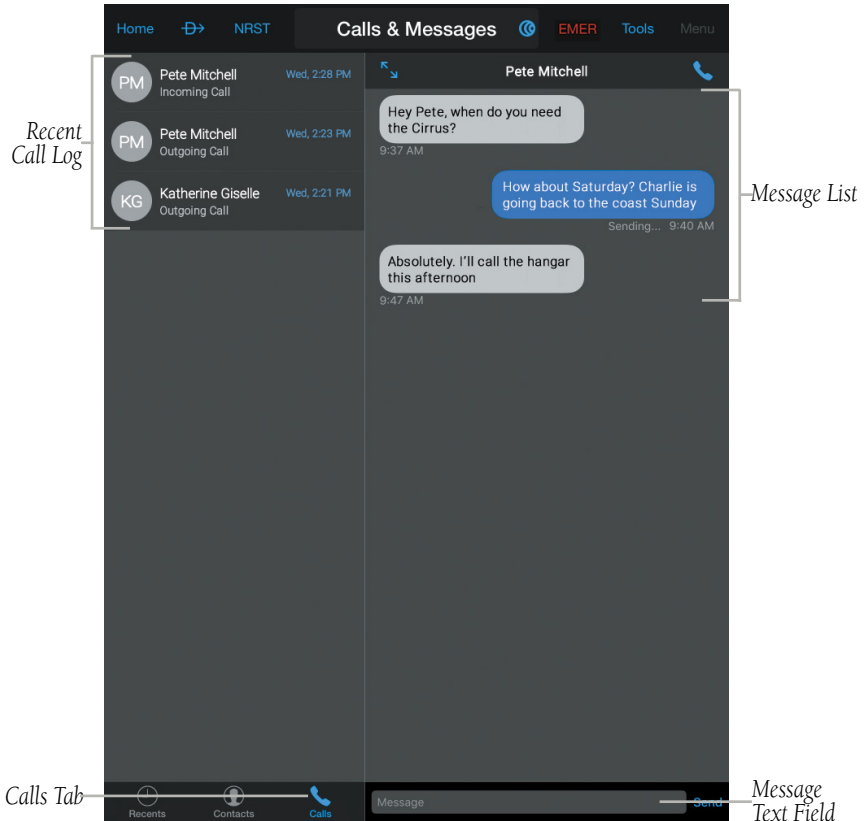
Contacts List



iOS Contacts App

The Calls tab shows a log of incoming and outgoing phone calls, sorted by time.





**Calls & Messages - Calls Tab**

Garmin Pilot's powerful capabilities start with pre-flight planning, providing pilots with the most comprehensive aviation weather information to make better-informed flight decisions. Pilots can check the following:

• Weather	• NOTAMs
• Visible and Infrared Cloud Imagery	• Winds & Temperatures Aloft
• Radar	• TFRs
• METARs	• Lightning Data
• TAFs	• Storm Cells
• AIRMETs	• Echo Tops
• SIGMETs	• Icing
• PIREPs	• Graphical Turbulence

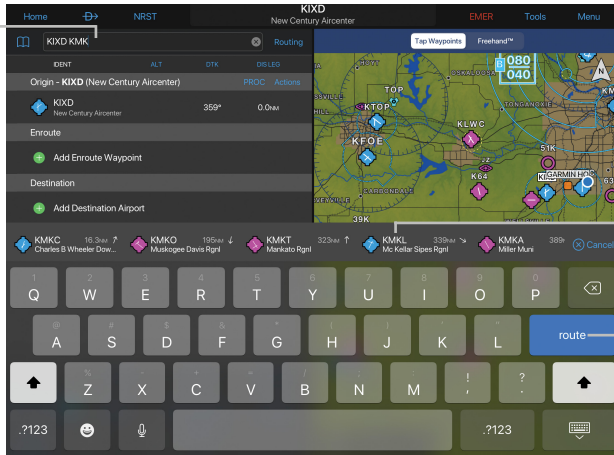
### Weather Overlay Options

With Garmin Pilot, weather data can be overlaid on VFR Aeronautical Charts, IFR low altitude en route charts, IFR high altitude en route charts, Roads/Borders, or OpenStreetMap basemaps to visualize the weather for your route. Add text-based weather widgets and use the exclusive NavTrack feature to view weather information along the planned route.

# FASTFIND PREDICTIVE WAYPOINT ENTRY

When entering a waypoint into the flight plan, FastFind Predictive Waypoint Entry populates airport identifiers and navigation aids nearest your location or previous point in the flight plan.

*Begin Typing  
Waypoint*



*Tap Desired  
Waypoint  
From  
FastFind List*

*Tap to View  
Route*

**Fastfind Predictive Waypoint Entry**





Blank Page

## PLAN




### FLIGHT PLAN

Flight plans can be created, bookmarked (stored), shared, and reversed from the Flight Plan page. From the Flight Plan page, flight plans can be created by the following:

- Tap within the **Enter Route** field and use the keyboard to add waypoint identifiers separated by spaces.
- Tap the  **Add Origin Airport** button in the flight plan list and use the map to graphically create a flight plan, or the keypad to enter the waypoint identifier.
- Tap the  **Add Enroute Waypoint** button in the flight plan list and use the map to graphically create a flight plan, or the keypad to enter the waypoint identifier.
- Tap the  **Add Destination Airport** button in the flight plan list and use the map to graphically create a flight plan, or the keypad to enter the waypoint identifier.
- Tap the desired FastFind waypoint above the keypad, or tap the Freehand™ button on the map preview screen on the Flight Plan page.
- Select  from the Home Menu and tap **Menu > Activate** to load the desired flight plan into the Flight Plan page.

## Creating a Flight Plan:

- 1) From any page, tap **Home** > .
- 2) Tap within the **Enter Route** field to activate the cursor.
- 3) Use the keyboard to insert waypoints. Separate each waypoint with a space.

*Tap to Display Menu*

*Route Field*

*Flight Plan Waypoints*

*Tap to Add Altitude Flight Plan Summary*

*Map Pane*

*Map Pane Controls*





IDENT	ALT	DTK	DIS LEG	ETETO
Origin - KRNO (Reno/Tahoe International Airport)				
KRNO Reno/Tahoe International Airport	---	---	---	---
Enroute				
FMG Mustang	057°	5.5NM	03:43	
LLC Lovelock	041°	61.3NM	36:37	
BAM Battle Mountain	057°	80.5NM	1+20	

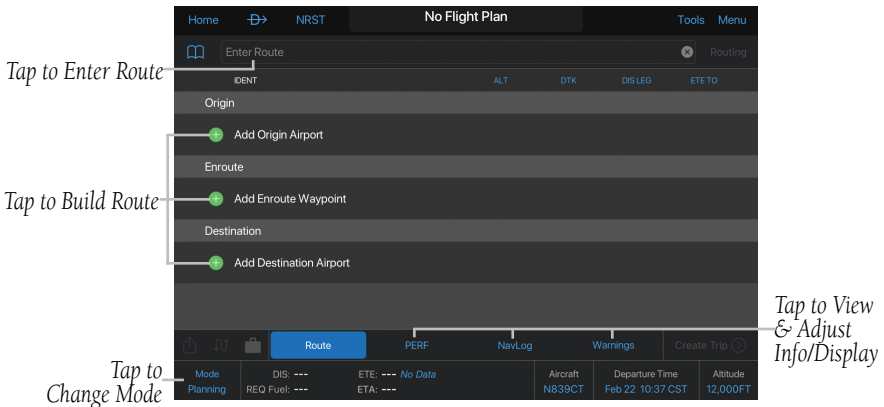
Route: KRNO FMG LLC BAM PIH VIPUC IDA KWYS

Mode: Planning | DIS: 511.5NM | ETE: 4+43 | Tail Tex: 13:13 MDT 06-AUG | Aircraft: N841LM | Departure Time: Aug 6, 07:30 PDT | Altitude: 11,000FT

Flight Plan Page

Or:

- 1) From any page, tap **Home** > .
- 2) Tap the  **Add Origin Airport** button.
- 3) Use the keyboard to insert waypoints. Separate each waypoint with a space.
- 4) Tap the  **Add Enroute Waypoint** button.
- 5) Use the keyboard to insert waypoints. Separate each waypoint with a space.
- 6) Tap the  **Add Destination Airport** button.
- 7) Use the keyboard to insert waypoints. Separate each waypoint with a space.



**Or:** Enter Lat/Lon information in one of the following formats:

Lat/Lon	Lat/Lon
####N#####W	N##.#/W##.#
N#####/W#####	##.#/-##.#
####/-#####	##.#N/O##.#W
##.#N/##.#W	##.#/-0##.#
N##.#/W0##.#	
Spaces are not allowed, slash (/) or (,) is required. Any Latitude format can be combined with any longitude format in the same string.	

#### Lat/Lon Formats

**Or:** Enter Radial/Distance waypoint in one of the following formats:

Radial/Distance	Descriptions
MSP/190/035 or MSP/190/35	Identifier/Radial/Distance
MSP190035	IdentifierRadialDistance
Spaces are not allowed, when slashes (/) are used the leading zero can be left off the radial and/or distance.	


#### Radial/Distance Formats

**Or:** Enter a waypoint at the intersection of two VOR radials in the following format:

VOR/Radial	Descriptions
OKB100MZB020	VORRadialVORRadial

#### Radial Intercept Waypoint

**Or:**

- 1) Tap  **Add Enroute Waypoint** Button.
- 2) Use the keyboard to input the waypoint identifier and tap the **return** key.



**Or:**

Use the keyboard to begin entering the waypoint identifier and tap the desired waypoint from the FastFind List.

- 3) Tap the  **Add Enroute Waypoint** Button to add additional waypoints.

**Or:**



- 1) Use one of the above methods to enter a departure point.
- 2) In the Map View area tap on any location or flight plan leg, to display the rubber-band, drag the rubber-band to the desired map location.
- 3) Once the rubber-band is on or near the desired location release the rubber-band. A list of nearby waypoints is displayed.
- 4) Select the desired waypoint from the list. Or create a User Waypoint, add latitude/longitude coordinates, or insert a Search and Rescue pattern.
- 5) Repeat steps 2-4 to add additional waypoints.

## FREEHAND™


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Freehand™ automatically creates flight plans, including airports, VORs, and intersections, as drawn on the map pane. Freehand™ also allows for quick and easy flight planning around hazards such as weather, airspaces, and more.

### Adding a Freehand™ route on the Map page:

- 1) From any page, tap **Home** > .
- 2) Tap anywhere on the map to reveal the Radial Menu.
- 3) Tap  icon from the Radial Menu.
- 4) Tap the Freehand™ button.
- 5) Long press on initial starting point and draw the desired route on the map.

## Adding a Freehand™ route on the Flight Plan page:

- 1) From any page, tap **Home** > .
- 2) Tap the Freehand™ button.
- 3) Long press on initial starting point and draw the desired route on the map.

Graphical  
FPL Editing  
Mode Active



Tap to Save  
Select Mode

Freehand™

## Modifying an existing flight plan route with Freehand:

- 1) Select Freehand™ to draw the desired route.
- 2) Long press on the existing route line and draw the desired route on the map.

Graphical  
FPL Editing  
Mode Active



Tap to Save  
Select Mode



Waypoints Loaded via Freehand™

## ADVANCED AIRCRAFT PERFORMANCE

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Garmin Pilot incorporates cruise, climb, and descent performance tables to increase the accuracy of Estimated Time Enroute (ETE) and fuel burn calculations.

### Configuring and Viewing Advanced Aircraft Performance data:

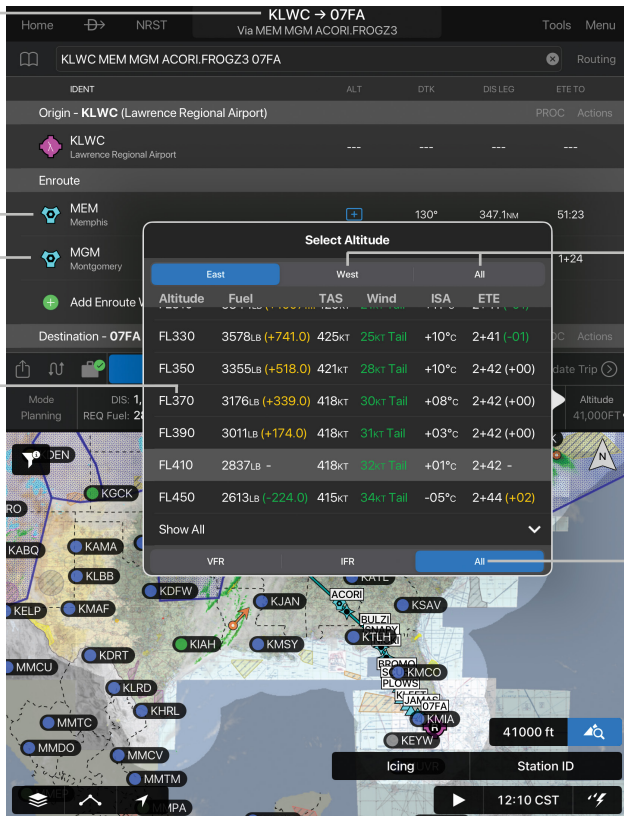
- 1) From any page, tap **Home** >  > **Aircraft**.
- 2) Tap **Add Aircraft** and select the aircraft model data from the Garmin library or manually enter the information from the aircraft's Pilot Operating Handbook (POH) into Gamin Pilot or flyGarmin.
- 3) Tap Home > .
- 4) Tap **Altitude** in the flight plan summary page to determine the best flight altitude based upon fuel consumption and winds.

## ACTIONS MENU

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The Flight Plan Page contains a waypoint-sensitive Actions Menu related to the portion of the flight you wish to modify. For example, if the selected waypoint is the departure airport, the Actions Menu will include an **Add/Remove Departure** action item. If the selected point is the final destination airport, the Actions Menu will include an **Add/Remove Arrival** action item. Or, if the selected waypoint is a valid Airway entry point, the Actions Menu will include a **Load Airway** action item. The Actions Menu also has Action Items for adding, removing, changing flight plan waypoints, insert a SAR pattern, Activate Leg, select runway, or go Direct To a selected point.

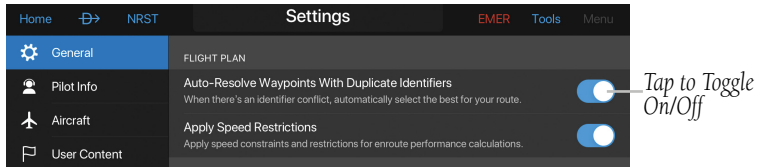
Active Route



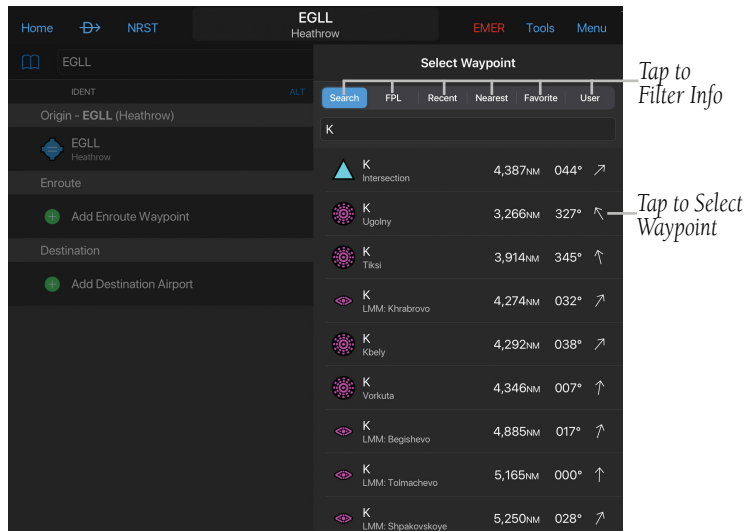
Flight Plan - Advanced Aircraft Performance

## DUPLICATE WAYPOINTS

In the event of duplicate waypoint identifiers, the **Select Waypoint** option is available from the Actions Menu. The **Select Waypoint** List is displayed automatically when **Auto-Resolve Waypoints With Duplicate Identifiers** is disabled in 'General' Settings.



Settings - General - Flight Plan



Flight Plan - Select Waypoint List


Action Menu Options - Airport of Origin		
	Action	Description
<b>Waypoint</b>	Airport Info	Opens Airport Info submenu with general info, frequencies, runways, procedures, and fuel services/cost.
	Activate Leg	When in Navigating Mode, activates the selected leg of the Active Flight Plan.
	Insert After	Adds a new line item below the selected waypoint. Places the cursor in the empty line and opens the keyboard for waypoint identifier entry.
<b>Direct To</b>	Direct To	When in Navigating Mode, opens the Direct To...dialog box.
<b>Origin Airport</b>	Change Origin	Opens the keyboard for origin identifier entry.
	Remove Origin	Removes airport of origin from flight plan.
	Add Origin Runway	Opens submenu displaying all available runways.
	Change Origin Runway	Opens submenu displaying all available runways.
<b>Departure Procedure</b>	Select Departure	Opens submenu displaying all available departure procedures and transitions.
	Change Departure	Only available after a Departure Procedure has been entered. Opens a submenu displaying all available departure procedures and transitions.
	Remove Departure	Only available after a Departure Procedure has been entered. Removes Departure Procedure from Active Flight Plan.
	Center Map on Departure	Only available after a Departure Procedure has been entered. Map centers on the Departure Procedure.
<b>Hold</b>	Hold at Waypoint	Opens submenu detailing specifics of a holding pattern.
<b>Along Track Offset</b>	Create ATK Offset Waypoint	Opens submenu detailing specifics of the Along Track Offset options.
<b>Altitude Constraint</b>	Add Altitude Constraint	Opens submenu detailing specifics of adding an Altitude Constraint.
<b>Search And Rescue</b>	Insert SAR Pattern	Opens the Insert Search And Rescue submenu.

<b>Action Menu Options - Enroute</b>		
	<b>Action</b>	<b>Description</b>
<b>Waypoint</b>	VOR, Intersection, etc. Info	Opens waypoint info submenu.
	Activate Leg	When in Navigating Mode, activates the selected leg of the Active Flight Plan.
	Insert Before	Adds a new line item above the selected waypoint. Places the cursor in the empty line and opens the keyboard for waypoint identifier entry.
	Insert After	Adds a new line item below the selected waypoint. Places the cursor in the empty line and opens the keyboard for waypoint identifier entry.
	Replace Waypoint	Replaces current waypoint. Opens the keyboard for waypoint identifier entry.
	Remove Waypoint	Removes selected waypoint from the Active Flight Plan.
	Set Fly-Over Waypoint	Highlights waypoint(s) in the Flight Plan as Fly-Over.
	Set Fly-By Waypoint	Highlights waypoint(s) in the Flight Plan as Fly-By.
<b>Direct To</b>	Direct To	When in Navigating Mode, opens the Direct To...dialog box.
<b>Airway</b>	Load Airway	Opens submenu of available Airways. Once an Airway is selected the Select Exit submenu displays a list of available exit waypoints that can be ordered by distance or alphabetically.
<b>Hold</b>	Hold at Waypoint	Opens submenu detailing specifics of a holding pattern.
<b>Along Track Offset</b>	Create ATK Offset Waypoint	Opens submenu detailing specifics of the Along Track Offset options.
<b>Altitude Constraint</b>	Add Altitude Constraint	Opens submenu detailing specifics of adding an Altitude Constraint.
<b>Search And Rescue</b>	Insert SAR Pattern	Opens the Insert Search And Rescue submenu.

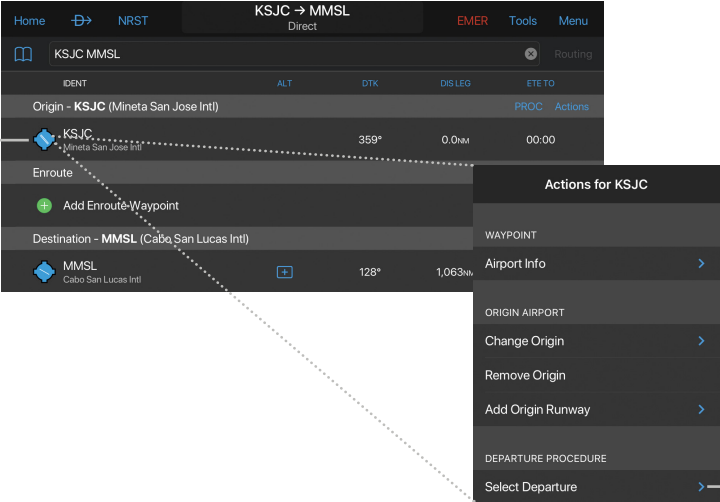


Action Menu Options - Destination		
	Action	Description
<b>Waypoint</b>	Airport Info	Opens Airport Info submenu with general info, frequencies, runways, procedures, and fuel services/cost.
	Activate Leg	When in Navigating Mode, activates the selected leg of the Active Flight Plan.
	Insert Before	Adds a new line item below the selected waypoint. Places the cursor in the empty line and opens the keyboard for waypoint identifier entry.
<b>Direct To</b>	Direct To	When in Navigating Mode, opens the Direct To...dialog box.
<b>Destination Airport</b>	Change Destination	Opens the keyboard for Destination identifier entry.
	Remove Destination	Removes Destination from flight plan.
	Add Destination Runway	Opens submenu displaying all available runways.
	Change Origin Runway	Opens submenu displaying all available runways.
<b>Arrival Procedure</b>	Select Arrival	Opens submenu displaying all available departure procedures and transitions.
	Change Arrival	Only available after an Arrival Procedure has been entered. Opens a submenu displaying all available arrival procedures and transitions.
	Remove Arrival	Only available after an Arrival Procedure has been entered. Removes Arrival Procedure from Active Flight Plan.
	Center Map on Arrival	Only available after an Arrival Procedure has been entered. Map centers on the Arrival Procedure.
<b>Hold</b>	Hold at Waypoint	Opens submenu detailing specifics of a holding pattern.
<b>Along Track Offset</b>	Create ATK Offset Waypoint	Opens submenu detailing specifics of the Along Track Offset options.
<b>Altitude Constraint</b>	Add Altitude Constraint	Opens submenu detailing specifics of adding an Altitude Constraint.
<b>Search And Rescue</b>	Insert SAR Pattern	Opens the Insert Search And Rescue submenu.

## Adding a Departure to a Flight Plan:

- 1) From any page, tap **Home** > .
  - 2) Tap the departure point in the Flight Plan to open the Actions Menu.
- Or:** Use the keyboard to enter runway, departure and transition in the following format: RW##.XXXXX(departure name).XXXXX(transition waypoint).
- 3) From the Actions Menu, tap **Select Departure**.

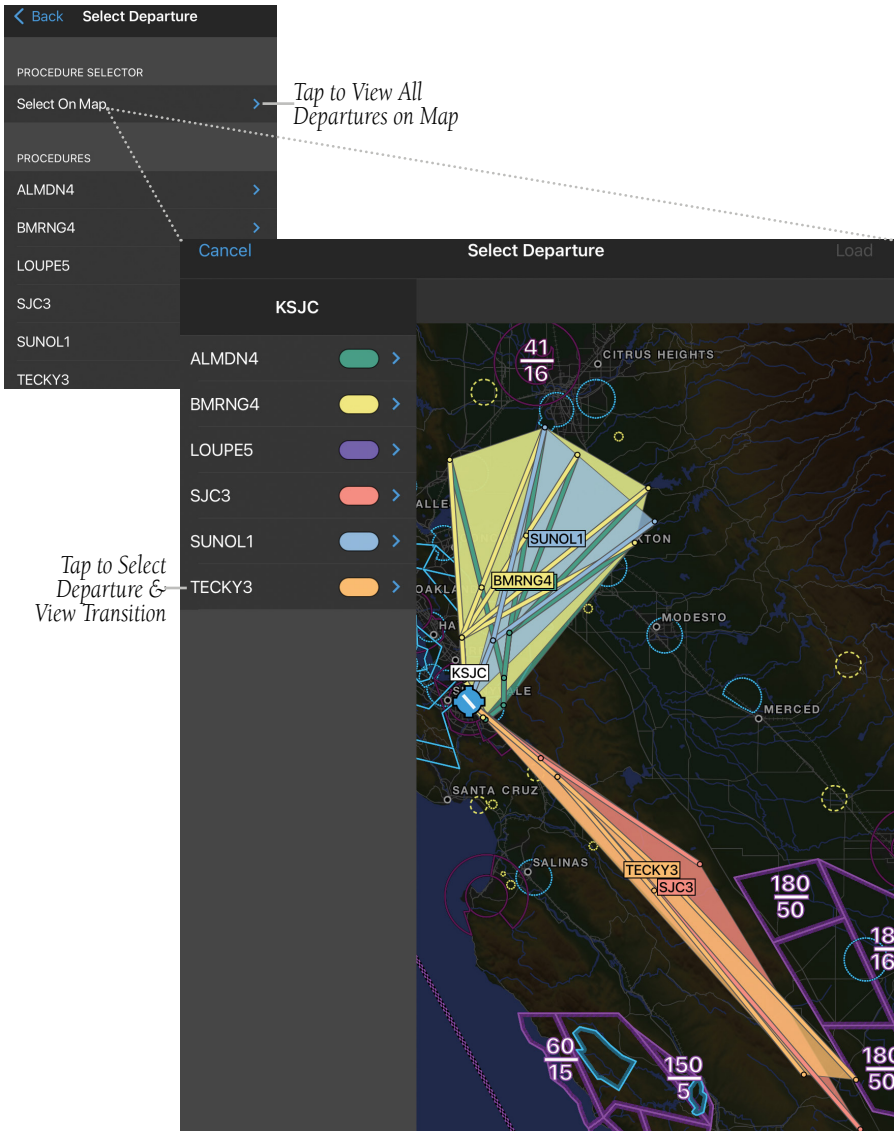
*Tap to Display Actions Menu*



*Tap to View Departure Procedures*

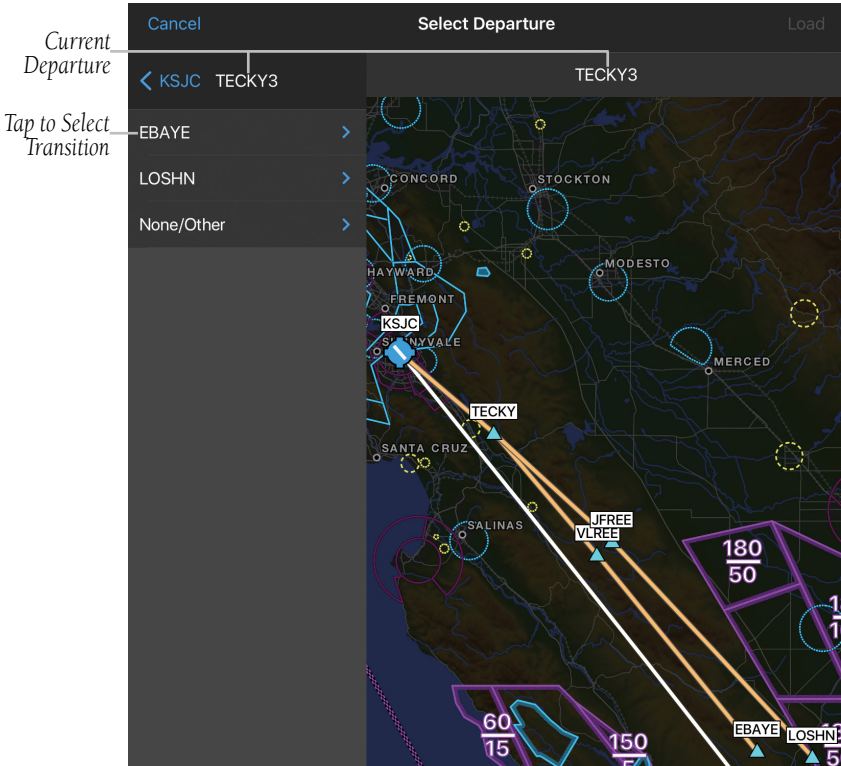
**Flight Plan - Origin Airport Actions Menu**

- 4) Tap the desired Departure Procedure.
  - 5) Tap the desired Transition.
- Or:** Tap **Select On Map**.



Flight Plan - Selecting Departure on Map

6) Tap the desired Transition.



Flight Plan - Selecting Departure Transition on Map

7) Tap the desired Runway.

- 8) Tap **Confirm**. The Departure, Transition, associated waypoints, and Runway are added to the flight plan as a single entry that can be expanded to view all waypoints.

*Flight Plan Includes Departure Procedure*

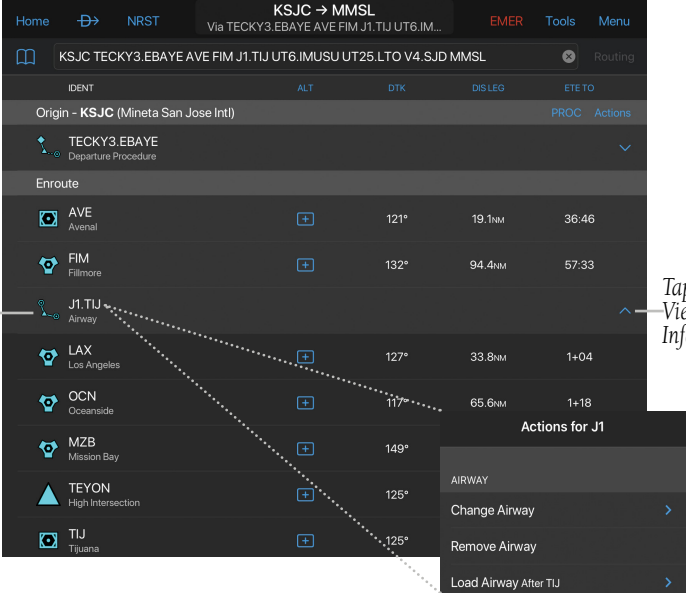
Home	→ NRST	KSJC → MMSL	EMER	Tools	Menu
KSJC RW12R.TECKY3.TECKY MMSL		Routing			
IDENT	ALT	DTK	DIS LEG	ETE TO	
Origin - <b>KSJC</b> (Mineta San Jose Intl) - RW12R					
RW12R.TECKY3.TECKY					
Departure Procedure					
RW12R	KSJC Runway	359°	0.0NM	00:00	
570FT	Altitude HDG 126°	570ft ↑	126°	2.2NM	00:52
NEVSE	Intersection	+	124°	4.3NM	02:00
TECKY	Intersection	+	115°	21.9NM	06:43
Enroute					
Add Enroute Waypoint					
Destination - MMSL (Cabo San Lucas Intl)					
MMSL	Cabo San Lucas Intl	+	129°	1,035NM	2+23

*Tap to Collapse Departure Procedure Details*

**Flight Plan With Departure Procedure**

## Adding an Airway to a Flight Plan:

- 1) From any page, tap **Home** > .
- 2) Tap a waypoint in the Flight Plan to open the Actions Menu.
- 3) If the waypoint is a valid Airway entry point, tap **Load Airway** in the Actions Menu. Only valid Airway entry points will have the **Load Airway** action in the Actions Menu.



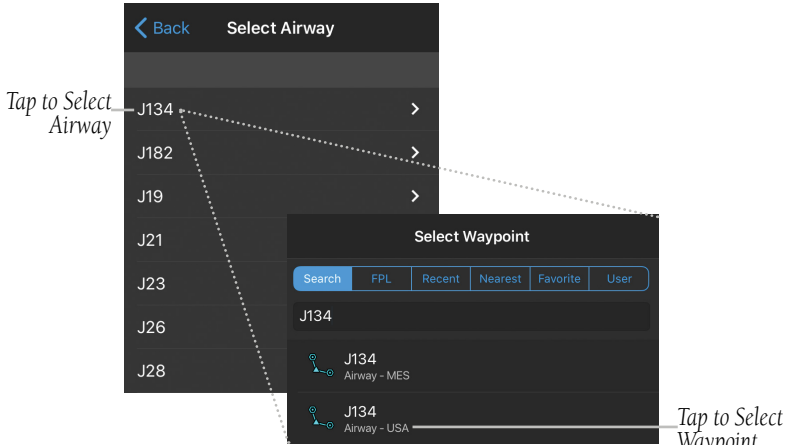
The screenshot displays a flight plan from KSJC to MMSL. The enroute segment includes waypoints AVE, FIM, J1.TJU (Airway), LAX, OCN, MZB, TEYON, and TJU. The 'Actions for J1' menu is open, showing the 'Load Airway After TJU' option.

IDENT	ALT	DTK	DIS LEG	ETE TO
Origin - KSJC (Mineta San Jose Intl)				PROC Actions
TECKY3.EBAYE Departure Procedure				
Enroute				
AVE Avenal		121°	19.1NM	36:46
FIM Fillmore		132°	94.4NM	57:33
J1.TJU Airway				
LAX Los Angeles		127°	33.8NM	1+04
OCN Oceanside		117°	65.6NM	1+18
MZB Mission Bay		149°		
TEYON High Intersection		125°		
TJU Tijuana		125°		

### Flight Plan - Airway Actions Menu

- 4) Tap the desired Airway.

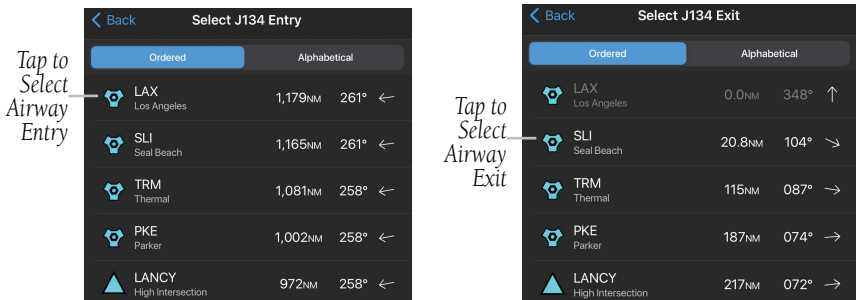
5) Tap the desired Waypoint.



Flight Plan - Selecting Airway & Waypoint


6) Tap the desired Airway Entry.

7) Tap the desired Airway Exit point from the list. All Airway waypoints from selected entry point to selected exit point will be added to the flight plan list as one entry that can be expanded to show all waypoints.

















Flight Plan - Adding Airway Entry & Exit

## Changing a Fly-Over or Fly-By Waypoint in a Flight Plan:

- 1) From any page, tap **Home** > .
- 2) Tap the desired Enroute Waypoint to open the Actions Menu.
- 3) Tap **Set Fly-Over Waypoint**. Note the white circle surrounding the waypoint.

**Or:** Tap **Set Fly-By Waypoint**.

Fly-Over  
Waypoint

Enroute				
	KSJC Mineta San Jose Intl		306°	141.1NM 44:18
	AVE Avenal		124°	160.8NM 1+05
	FIM Fillmore		132°	94.3NM 1+18
	J1.TUJ Airway			▼
	UT6.IMUSU Airway			▼
	LTO Loreto		139°	94.2NM 2+43
	V4.SJD Airway			▼
	Add Enroute Waypoint			
Destination - MMSL (Cabo San Lucas Intl)			PROC	Actions
	MMSL Cabo San Lucas Intl		218°	16.8NM 3+18

Flight Plan - Fly-Over Waypoint




**NOTE:** Fly-By waypoints are used when an aircraft should begin a turn to the next course prior to reaching the waypoint separating the two route segments. This is known as turn anticipation.



**NOTE:** Fly-Over waypoints are used when the aircraft must fly over the point prior to starting a turn.



## Adding an Arrival to a Flight Plan:

- 1) From any page, tap **Home** > 
  - 2) Tap the destination in the Flight Plan to open the Actions Menu.
- Or:** Use the keyboard to enter transition, arrival name and runway in the following format: XXXXX(transition waypoint).XXXXX(arrival name).RW##.
- 3) From the Actions Menu, tap **Select Arrival**.

The screenshot displays a flight plan for the route KSJC → MMSL. The origin is KSJC (Mineta San Jose Intl) and the destination is MMSL (Cabo San Lucas Intl). The flight plan includes waypoints: KSJC, AVE, FIM, J1.TJU, UT6.IMUSU, LTO, V4.SJD, and MMSL. The 'Actions for MMSL' menu is open, showing options for 'ARRIVAL PROCEDURE' and 'APPROACH PROCEDURE'. Annotations indicate where to tap to view arrival procedures and to display the actions menu.

IDENT	ALT	DTK	DIS LEG	ETE TO
Origin - KSJC (Mineta San Jose Intl)				PROC Actions
Enroute				
KSJC Mineta San Jose Intl		306°	141.1NM	44:18
AVE Avernal		124°	160.8NM	1+05
FIM Fillmore		132°	94.3NM	1+18
J1.TJU Airway				
UT6.IMUSU Airway				
LTO Loreto		139°	94.3NM	
V4.SJD Airway				
Add Enroute Waypoint				
Destination - MMSL (Cabo San Lucas Intl)				PROC Actions
MMSL Cabo San Lucas Intl		218°	16.8NM	3+18

**Actions for MMSL**

- ARRIVAL PROCEDURE
- Select Arrival
- APPROACH PROCEDURE
- Select Approach

**Mode Planning** | DIS: 1,388NM | ETE: 3+18 | Tail 27cr | Aircraft N924AS | Departure Time Nov 19 07:27 PST | Altitude 41,000FT

Flight Plan - Arrival Airport Actions Menu

- 4) Tap the desired Arrival Procedure.
- 5) Tap the desired Transition.

**Or:** Tap **Select on Map**.

**Select Arrival**

PROCEDURE SELECTOR

Select On Map > Tap to View All Arrivals on Map

PROCEDURES

ALR1G

CSL3 Cancel Load

ENEK1C

ILIG1E

LEPO1C

MMSL

ALR1G

CSL3

ENEK1C

ILIG1E

LEPO1C

Tap to Select Arrival & View Transition

ENEKO

MARUX

ENEK1C

LEPO1C

ALR1G

SJD

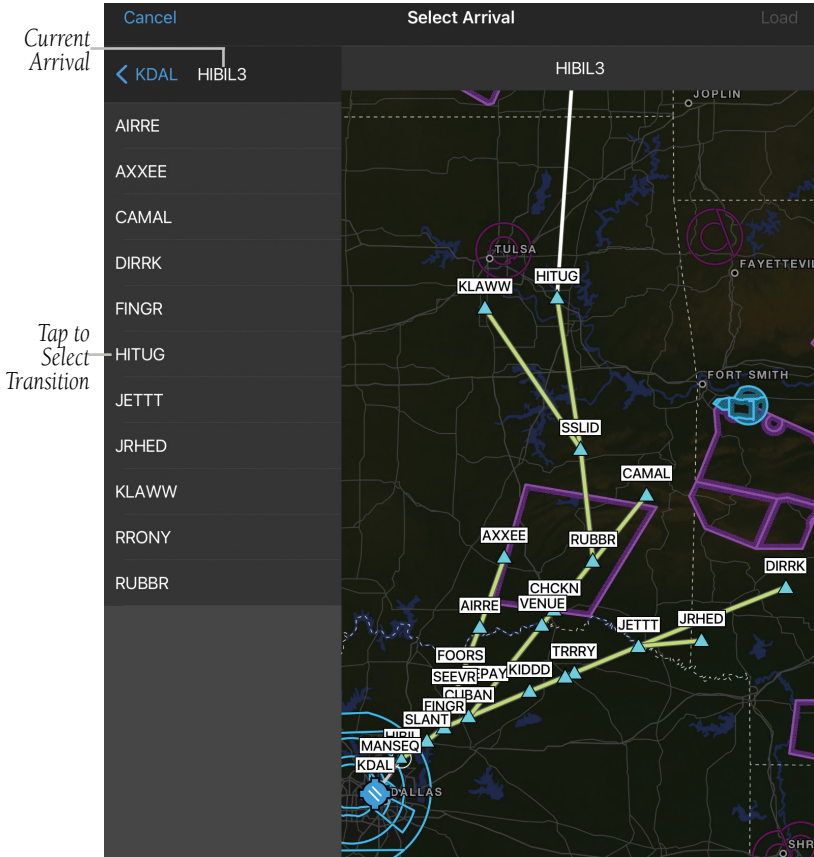
MNCSL3

ILIG1E

195/55

**Flight Plan - Selecting Arrival on Map**  
**Garmin Pilot for iOS User's Guide**

6) Tap the desired Transition.



Flight Plan - Selecting Arrival Transition on Map

7) Tap **Confirm**. The Arrival, transition, and associated waypoints, are added to the flight plan as a single entry that can be expanded to view all waypoints.



## Adding an Approach to a Flight Plan:



**NOTE:** The User can **Load** an Approach while in Planning Mode, which uses the Performance Data loaded in Garmin Pilot, along with the weather information associated with the selected date and time.



**NOTE:** The User can **Activate** an Approach while in Navigating Mode, which uses ground speed to calculate trip details (e.g. ETE/ETA).

1) From any page, tap **Home** >

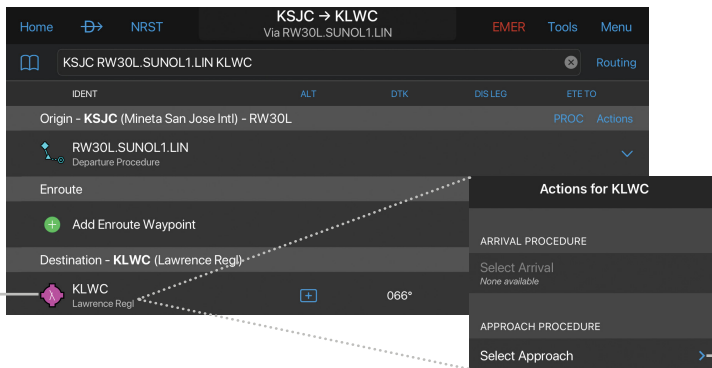


2) Tap the destination in the Flight Plan to open the Actions Menu.

**Or:** Use the keyboard to enter transition, arrival name and runway in the following format: XXXXX(transition waypoint).XXXXX(arrival name).RW##.

3) From the Actions Menu, tap **Select Approach**.

Tap to  
Display  
Actions  
Menu



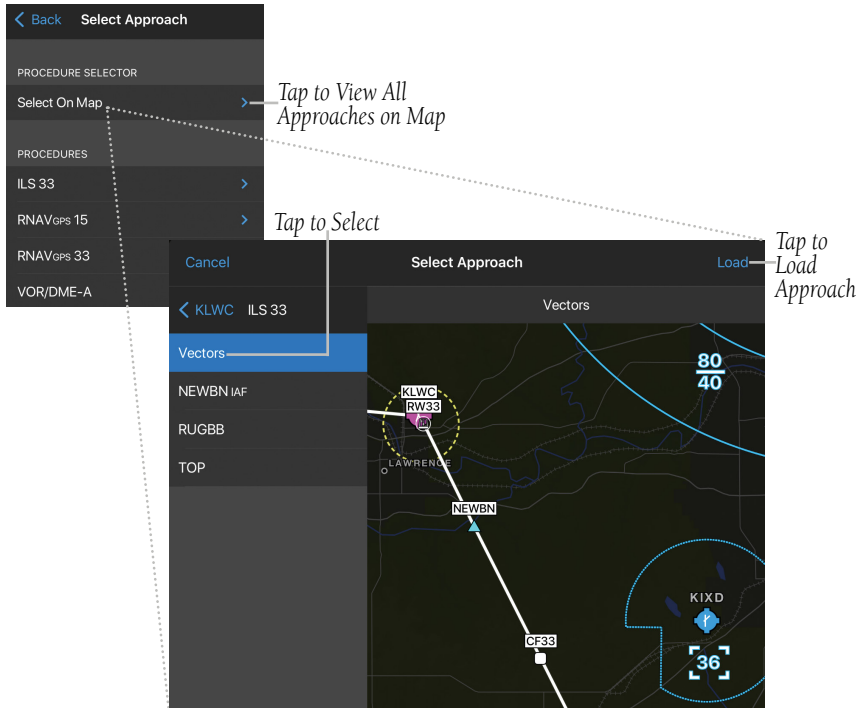
Tap to  
View  
Approach  
Procedures

Flight Plan - Destination Airport Actions Menu

**0r:** Tap **Select On Map**.

**4)** Tap the desired Approach and Fix.

**5)** Tap **Load**.




Flight Plan - Selecting Approach on Map

## TOWER ENROUTE CONTROL (TEC) ROUTES (CALIFORNIA)

When flying within the national airspace system in the state of California, it is possible for a pilot to fly IFR from one point to another without leaving approach control airspace. This is referred to as "Tower Enroute" which allows flight beneath the enroute structure. Pilots are encouraged to use the TEC route descriptions provided in the Southwest U.S. Chart Supplement when filing flight plans. Other airways which appear to be more direct between two points may take the aircraft out of approach control airspace, thereby resulting in additional delays or other complications. All published TEC routes are designed to avoid enroute airspace and the majority are within radar coverage.

### Viewing TEC Route information:

- 1) From any page, tap **Home** > . The icon is a pink square with rounded corners, containing a white airplane silhouette and the text "Airport Info" below it.
- 2) Enter the desired airport I.D., e.g. KPSP.
- 3) Tap **Chart Supplement** > **Supplemental**.
- 4) Adjust the slider at the bottom of the page to view the desired Tower Enroute Control information.

Home → NRST KPSP Tools Menu

← Back KPSP General Supplemental

**TOWER ENROUTE CONTROL 525**

SAN (SAND).....	SMOP33	SMD	SMO2125 V64 V363 DANMH V165 SARGIS.....	PQ50
SAN (SAND).....	SMOP34	SMD	SMO2125 V64 SLU V165 SARGIS.....	M90
SAN (SAND).....	SMOP35	SIC	V038 PDZ V27 R22 REDIN V165 SARGIS.....	J110
ORR CMA NTD.....	SMOP36	SMD	SMO VNY.....	PQ40
ORR CMA NTD.....	SMOP37	VTU	VTU.....	JM60
SBA.....	SMOP38	SMD	V107 SADOE V299 VTU VTU282 KWANG.....	J120PQ100
SBA (LAXE).....	SMOP39	SMD	V186 DEANO V27 KWANG.....	JMS9PQ40
<b>PALM SPRINGS AREA</b>				
<b>FROM PSP UDD TRN</b>				
BUR VNY WHF.....	PSPP1	ROUTE	V388 PDZ V186 VNY.....	PQ100
BUR VNY WHF.....	PSPP2	PSP	V388 DEWAY POM VNY.....	JM120
AJO CND RAL RIR CNT RIV SBD L65.....	PSPP3	PSP	V388 PDZ.....	JM120PQ100
HMT.....	PSPP4	V388	PDZ V186 WESIN.....	JM120PQ100
EMT FCC CDB.....	PSPP5	PSP	V388 PDZ PDZ270013 RNDAL V563 POW.....	JM120PQ100
F70.....	PSPP7	PSP	V388 PDZ PDZ290215 JESEX.....	JM120PQ100
FUL LGB SLI TOA.....	PSPP8A	PSP	V388 PDZ PDZ270016 DOWID V394 SLI.....	PQ100
FUL LGB SLI TOA SNA.....	PSPP8B	PSP	V388 DEWAY FRETTS KAYOH-STAR.....	JM120
HHR (RWY25).....	PSPP9	V388	PDZ PDZ270.....	JM120PQ100
LAX.....	PSPP10A	V388	PDZ LAHAB.....	M120PQ100
LAX (LAXE).....	PSPP10B	PSP	V388 LENHO SEAWU.....	J120
LAX (LAXE).....	PSPP11	PSP	V388 PDZ PDZ270014 DOWED V394 SLI V8 TANDY.....	PQ100
LAX (LAXE).....	PSPP12	V388	ACRES V383 SLI V8 TANDY.....	JM120
SMD.....	PSPP13A	PSP	V388 PDZ V186 DARTS.....	PQ100
SMD.....	PSPP13B	PSP	V388 DEWAY POM DARTS.....	JM120
CMA ORR NTD.....	PSPP14	V388	PDZ V186 FIM.....	PQ100
CMA ORR NTD.....	PSPP15	PSP	V388 DEWAY POM VNY V186 FIM.....	JM120
SBA.....	PSPP16	V388	PDZ V186 DEANO V27 KWANG.....	PQ100
SBA.....	PSPP17	PSP	V388 DEWAY POM VNY V186 DEANO V27 KWANG.....	JM120
SNA.....	PSPP18	VTU	V388 PDZ PDZ270013 RNDAL V563 POWU V8 SLI.....	PQ100
<b>PALMDALE AREA</b>				
<b>FROM EDW LGB NHH PND NUT</b>				
HHR (RWY25).....	EDWP1	ROUTE	PMD V518 KIMMO V459 DARTS V186 ADAMM V394.....	JMPQ80
FUL LGB SLI SNA TOA.....	EDWP2	PMD	V201 BERRI V459 SLI.....	JMPQ90
FUL LGB SLI SNA TOA (LAXE).....	EDWP3	PMD	V386 V21 LAX V25 ALBAS SLI.....	MQ80
BUR VNY.....	EDWP4	PMD	PDZ620 V186 VNY V25 VNY.....	JMPQ80
SMD.....	EDWP5	PMD	V518 KIMMO V459 DARTS.....	JMPQ80
CMA ORR NTD.....	EDWP6	PMD	V386 FIM.....	JMPQ80
<b>FT INDIU AREA</b>				
<b>FROM ORR CMA</b>				
SBA.....	VTUP1	ROUTE	KWANG.....	JMPQ40
BUR.....	VTUP2	VTU	V034 TOAKS.....	JMPQ50
HHR VNY.....	VTUP3	CMA	CMO072 GINNA.....	JMPQ50
PMD WJF EDW NID VCY IYX LMO MHV TSP.....	VTUP4	FIM	V386 PMD.....	JMPQ70
AVX.....	VTUP5	VTU	V208 SIC.....	JM70PQ50
FUL LGB SLI TOA.....	VTUP6	VTU	V444 GINNA V326 VNY V186 ADAMM V394 SLI.....	PQ50
SNA.....	VTUP7	VTU	V444 GINNA V326 VNY V186 BAYF V563 POWU V8 SLI.....	PQ50
HHR.....	VTUP8	VTU	V299 SADOE V107 SMO SMO2125.....	PQ50
FUL LGB SLI TOA SNA HHR.....	VTUP9	VTU	V208 SIC SLI.....	JM70
HHR (LAXE).....	VTUP10	VTU	V444 GINNA V326 VNY V186 ELMCO.....	JM70PQ50
LAX (LAXE).....	VTUP11	VTU	V299 SADOE V107 SMO.....	JMPQ50
LAX (LAXE).....	VTUP12	VTU	V25 EXERT.....	JMPQ50
SMD.....	VTUP13	VTU	V444 GINNA V326 VNY V186 DARTS.....	JMPQ50

OC 23 FEB 2023 to 20 APR 2023

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Tap to View

Departure Airport

Arrival Airport


Type of Aircraft & Altitude Route Info

Slide to Move Through Document

Airport Info - Chart Supplement - Supplemental - TEC Route



## Adding a TEC Route to a Flight Plan:

- 1) From any page, tap **Home** > . The icon shows a white airplane silhouette on a black background with a red and blue path, and the text "Flight Plan" below it.
- 2) If you know the TEC Route ID, tap the "Enter Route" text box and input the desired TEC Route ID, e.g. PSPP16 > **route**.
- 3) If you do not know the TEC Route ID, enter an airport of origin, e.g. KPSP.
- 4) Enter a destination airport, e.g. KSBA.
- 5) Enter the **Aircraft** and **Departure/Arrival Time** > **Create Trip**. The Flight Plan will now be loaded on the Trip Planning page.
- 6) From the Trip Planning page, tap **View Planned ATC Routing**. If a TEC route is available for the desired flight plan, **TEC** will be displayed next to the TEC Route identifier, e.g. PSPP16. Tap the flight plan to load the TEC route.
- 7) Continue to complete the Trip Planning portion with the necessary information, then tap **File**.

The screenshot shows the 'Trip Planning' interface. At the top, there are navigation options: Home, NRST, Trip Planning, Tools, and Menu. Below this, there are tabs for 'Add Trip', 'Edit', 'Form', 'NavLog', 'Brief', and 'W & B'. The main content area is divided into two sections: 'Upcoming (2)' and 'Previous (4)'. The 'Upcoming (2)' section lists two flights: 'KRAL to KSBA' and 'KPSP to KSBA'. The 'Previous (4)' section lists four flights: 'KFAT to KSMF', 'CYQA to CYYZ', 'KGEU to KRHV', and 'KLWC to 07FA'. The 'KPSP to KSBA' flight is highlighted in blue, indicating it is the 'Current Selection'. To the right of the flight list, there is a summary for the selected flight: 'KPSP → KSBA', 'Distance: 169.9NM', 'Required Fuel: 24.0GAL', 'ETE: 1+09 (14kt Headwind - Internet)', and 'ETA: 10:09 PST (Mar 9, 2023)'. Below the summary, there are several fields: 'Not Filed', 'GENERAL', 'Pilot In Command', 'Filing Information', 'Flight Rules', 'Aircraft', and 'Call Sign'. A 'Planned ATC Routing' pop-up window is overlaid on the screen, showing a table of routing options. The table has columns for 'Altitude', 'Aircraft', 'Date', and 'Popular'. The first row is 'FL100' with 'KPSP' as the aircraft. The second row is 'PSP16' with 'TEC' as the aircraft, which is highlighted. Below this, there is a detailed view of the 'PSP16' route: 'DEWAY V388 PDZ V186 DEANO V27 KWANG', '10,000FT Piston', '175NM ETE: 1+10 TAS: 179KT Fuel: 24.4GAL', and 'Wind: 14KT Head'. Below this, there is a 'DIRECT' route: 'Most Recent: 10,000FT Feb 12 2023 x2', '170NM ETE: 1+8 TAS: 179KT Fuel: 24.0GAL', and 'Wind: 14KT Head'. At the bottom of the pop-up, there is another route: 'DEWAY V388 PDZ V186 FIM PITBL.PITBL1'. The pop-up also indicates 'Last updated less than one minute ago'.

Current Selection

Tap to Load TEC Route

Trip Planning - Planned ATC Routing - TEC Route

TEC  
Route Info  
Loaded

Home
NRST
KPSP → KSBA  
Via DEWAY V388.PDZ V186.DEANO V27.K...
Tools Menu

---

Route Info
Routing

IDENT	ALT	DTK	DIS LEG	ETE TO
Origin - KPSP (Palm Springs International Airport) <span style="float: right;">PROC Actions</span>				
KPSP Palm Springs International Airport	---	---	---	---
<b>Enroute</b>				
DEWAY Low Intersection <span style="float: right;">+</span>		290°	13.6NM	07:08
V388.PDZ Airway				▼
V186.DEANO Airway				▼
V27.KWANG				▼

Route
PERF
NavLog
Warnings
Update Trip

Mode	DIS: 174.6NM	ETE: 1+10 Head 14kt	Aircraft	Departure Time	Altitude
Planning	REQ Fuel: 24.4GAL	ETA: 10:10 PST 09-MAR	N839CT	Mar 9 09:00 PST	10,000FT

Icing

Station ID

Mar 9, 11:00 CST


15:15 CST

Flight Plan - TEC Route - Southern California

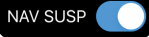

## NAV SUSP

Garmin Pilot will display a NAV SUSP button in the top left of the screen when the user is in Navigating Mode, and located in an applicable portion of the instrument approach (e.g. Missed Approach Point, Hold).

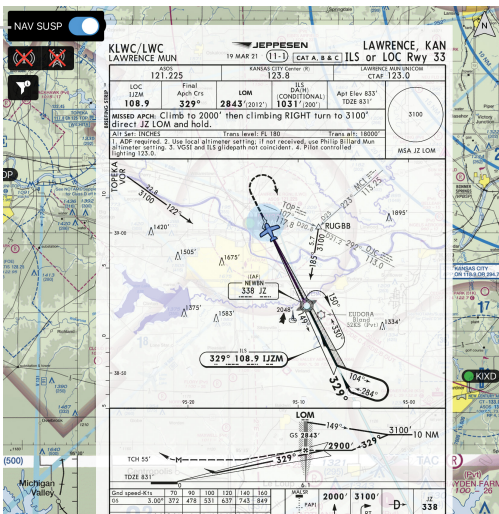
### Missed Approach:

Upon reaching the Missed Approach Point (MAP), toggle the **NAV SUSP** button **Off**,  to activate the first waypoint on the Missed Approach procedure.

### Holding Procedure:




Upon reaching the Hold, toggle the **NAV SUSP** button **ON**  to remain in the holding pattern. Toggle the **NAV SUSP** button **OFF**  to leave the hold and activate the next waypoint.

Tap to Toggle NAV SUSP On/Off



Flight Plan - Missed Approach NAV SUSP




## Expanding/collapsing Departures, Arrivals, or Airways in the Flight Plan:

- 1) From any page, tap **Home** > .
- 2) Tap  to expand.
- 3) Tap  to collapse any of the expanded fields.

## Storing a Flight Plan:

- 1) From any page, tap **Home** > .
- 2) Tap , then Add to store the Flight Plan. The Flight Plan and all associated waypoints including waypoints associated with Departures, Arrivals, and Airways are saved.




## Renaming a Flight Plan:

- 1) From any page, tap **Home** >  > .
- 2) From the Stored Flight Plan list, tap **Edit**.
- 3) Tap , swipe left, and tap **Rename**.
- 4) Use text entry to give the flight plan a familiar name, or edit the existing name.
- 5) Tap **Save**.

### Or:

- 6) Swipe left on a stored flight plan in the list and choose the **Rename** button.


## Deleting Stored Flight Plans:

- 1) From any page, tap **Home** >  > .
- 2) From the Stored Flight Plan list, tap **Edit**.
- 3) Tap  > **Delete** or swipe left and tap **Delete** to delete the selected Flight Plan.



**NOTE:** Pilot, aircraft, and flight plan information is not synced in demo mode. The information is stored on the device until an account is created and a subscription is purchased.

### Reversing the Flight Plan:

- 1) From any page, tap **Home** > .
- 2) Tap **Menu** > **Invert Flight Plan**.



Or:


- 3) Tap **Home** >  > .







**NOTE:** When a Flight Plan is reversed, Departure or Arrival procedures associated with the original Flight Plan are removed. If a Departure/Arrival is desired in the reversed Flight Plan, they will need to be added as described above. Airways are copied and reversed.

## PLANNING/NAVIGATING FLIGHT PLAN SUMMARY

The Flight Plan Summary is located below, or adjacent to, the flight plan on the Flight Plan Page. Tap the **Mode** field to switch between **Planning** and **Navigating**. Tap the **Aircraft**, **Departure Time**, or **Altitude** fields to view and/or edit. Tap the 'Head' or 'Tail' wind next to your ETE to select your data source for Winds Aloft. Tap  to Reverse your Flight Plan. Tap  to view your Route Data.

Tap  to share your Flight Plan. Tap the **Route**, **PERF**, **NavLog**, or **Warnings** tab to view detailed information pertinent to your Flight Plan. Tap **Create/Update Trip**, select a filing service provider, and view in the **Trip Planning** page.

			Route	PERF	NavLog	Warnings	Update Trip 
Mode Planning	DIS: 1,134NM REQ Fuel: 2837Lb	ETE: 2+42 Tail 32KT ETA: 15:42 EST 23-FEB	Aircraft N324AS	Departure Time Feb 23 12:00 CST	Altitude 41,000FT		


### Planning / Navigating - Route Data

### Garmin Pilot for iOS User's Guide

## Expanding/collapsing the Flight Plan Summary:

From any page, tap **Home** >  >  to expand/collapse the Flight Plan Summary.

## Selecting the Mode in the Flight Plan Summary:

- 1) From any page, tap **Home** > .
- 2) Tap in the **Mode** field to toggle between **Navigating** and **Planning**.



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**NOTE:** Garmin Pilot will automatically switch from Planning to Navigating Mode when certain Ground Speeds are reached. When Ground Speed increases beyond 45 knots, the Navigating Mode is activated. When Ground Speed decreases below 35 knots, the Planning Mode is activated.

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**NOTE:** When in Navigating Mode, the Flight Plan Summary (DIS, ETE, REQ FUEL, and ETA) will update in real time. When in Planning Mode, the Flight Plan Summary details are estimates based off current weather, aircraft performance, etc.

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**NOTE:** When in Navigating Mode, the active leg of your flight plan will be highlighted in magenta. When in Planning Mode, all segments of the flight plan will be white.

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## FLIGHT PLAN SUMMARY - ROUTE DATA

Garmin Pilot allows users to verify the route data and charts for your active flight plan are downloaded to your device.


















**NOTE:** A green check mark  indicates all required route data and charts for your flight plan are downloaded to the device. A yellow triangle  indicates additional download(s) required.

### Viewing the Route Data in the Flight Plan Summary:

- 1) From any page, tap **Home** >  > .
- 2) Tap  to expand/collapse **Route Data** sections and view their download status.

Tap to Close — **Close** **Route Data** **Configure** — Tap to Configure

KLWC → 07FA  
You are all set for your flight!  Tap to View Info

-  Navigation & Basemaps 
-  Terrain & Obstacles 
-  Airport Data 
-  VFR/IFR Enroute Charts 
-  Taxi Diagrams 
-  Procedures & Diagrams 
-  Weather Data 



Tap to Expand or Collapse

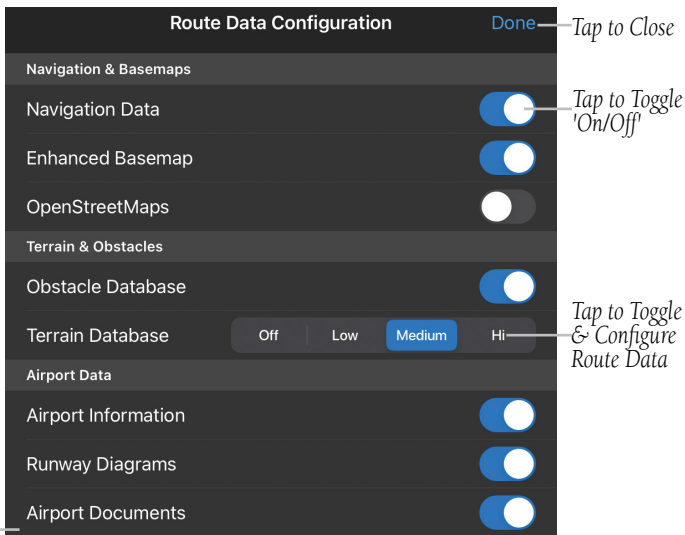
### Route Data - Download Status - Complete

**Route Data** and chart downloads may be customized to allow users to select the desired navigation and basemaps, terrain, obstacles, VFR/IFR charts, taxi diagrams, and procedures, for offline use.



## Configuring Route Data in the Flight Plan Summary:

- 1) From any page, tap **Home** >  >  > **Configure**.
- 2) Tap the desired **Route Data** items for your trip.
- 3) Tap **Done** to return to the **Route Data** action window.



Scroll Down to  
View More Info

Route Data - Configuration Menu

## FLIGHT PLAN SUMMARY - ROUTE TAB

When the **Route** tab is selected within the Flight Plan Summary, details of your route of flight will be displayed, such as airports, airways, waypoints, bearing, distance, etc. Garmin Pilot allows for flexibility as well as accuracy when modifying your Flight Plan Summary. Tap on any of the individual waypoints along your route of flight to display an 'Actions' window, which populates a specific list of items and options.

IDENT	ALT	DTK	DISLEG	ETE TO
Origin - KHUT (Hutchinson Regional Airport)				
Enroute				
LBL Liberal	---	245°	160.5Nm	1+39
DHT Dalhart	---	228°	95.1Nm	2+28
FTI Fort Union	---	253°	129.0Nm	3+51
SAF	---	254°	46.0Nm	4+00

Mode: Planning    DIS: 716.5Nm    ETE: 7+41    Head 25kt    Aircraft: N841LM    Departure Time: Feb 27 12:15 CST    Altitude: 12,000FT  
 REQ Fuel: 100.5Gal    ETA: 18:56 MST 27-FEB

Callouts: Tap to Change Data (Routing icon), Tap to Display Actions Window (Waypoint icon), Tap to Change Source (Waypoint icon), Tap to Share Flight Plan (Share icon), Tap to Reverse Flight Plan (Reverse icon), Tap to Change Mode (Mode icon), Tap to View Route Data (Map icon), Tap to View Route Tab (Route tab), Tap to Adjust Dep/Arr Time (ETE TO), Tap to Load in Trip Planning (Create Trip), Tap to Change Altitude (Altitude), Tap to Change Aircraft (Aircraft).

Flight Plan Summary - Route

## FLIGHT PLAN SUMMARY - PERFORMANCE TAB

When the **PERF** tab is selected within the Flight Plan Summary, aircraft performance information will be displayed, such as **Initial Fuel**, **Cruise True Airspeed**, and **Cruise Burn Rate**. Garmin Pilot will allow you to adjust settings within the Performance tab via the **Advanced Control** or **Estimate Table** menus. In the **Advanced Control** menu, you can fine tune your estimated fuel consumption by adjusting **Manifold Pressure**, **RPM's**, and **Climb** settings and viewing the data in the **Estimate Table** menu.

Annotations:

- Slide to Adjust Estimate Table Data
- Tap to Adjust
- Tap to Adjust
- Tap to View PERF Tab
- Tap to Select
- Current Selection

RPM/MP	ETE	FUEL
2100/18.0	8+51 (+70)	103.7GAL (+3.2)
2200/17.0	9+04 (+83)	105.1GAL (+4.6)
2200/18.0	8+23 (+42)	102.9GAL (+2.4)
2200/18.5	8+02 (+21)	101.1GAL (+0.6)
2300/16.0	9+19 (+98)	105.4GAL (+4.9)
2300/17.0	8+34 (+53)	103.3GAL (+2.8)
2300/18.0	7+56 (+15)	101.4GAL (+0.9)
<b>2300/18.5</b>	<b>7+41 (+00)</b>	<b>100.5GAL (+0.0)</b>
2400/16.0	8+57 (+76)	104.6GAL (+4.1)
2400/17.0	8+12 (+31)	102.4GAL (+1.9)
2400/18.0	7+37 (-04)	100.3GAL (-0.2)
2400/18.5	7+27 (-14)	100.2GAL (-0.3)

Summary Data:

- Initial Fuel: 118GAL
- Cruise TAS: 125kt
- Cruise Burn Rate: 12.6GAL/HR
- DIS: 716.5NM
- REQ Fuel: 100.5GAL
- ETE: 7+41 Head 25kt
- ETA: 18:56 MST 27-FEB
- Aircraft: N841LM
- Departure Time: Feb 27 12:15 CST
- Altitude: 12,000FT

Flight Plan Summary - Performance Tab

## FLIGHT PLAN SUMMARY - NAVLOG TAB

When the **NavLog** tab is selected within the Flight Plan Summary, a detailed list of waypoints is displayed. Garmin Pilot will allow you to customize the waypoint data being displayed by tapping on the column headers and selecting the desired filter.

Waypoints Within Flight Plan

Tap to Change Data

IDENT	DTK	DIS LEG	ETE TO	ETA	FUEL REQ	DIS REM
KHUT Hutchinson Regional Airport	---	---	---	---	1.0GAL	716.5NM
LBL Liberal	245°	160.5NM	1+39	13:54CST	23.9GAL	555.9NM
DHT Dalhart	228°	95.1NM	2+28	14:43CST	34.2GAL	460.9NM
FTI Fort Union	253°	129.0NM	3+51	15:06MST	51.6GAL	331.9NM
SAF Santa Fe	254°	46.0NM	4+26	15:41MST	58.9GAL	285.9NM
GUP Gallup	261°	137.6NM	5+58	17:13MST	78.5GAL	148.3NM
INW						

Tap to View NavLog Tab

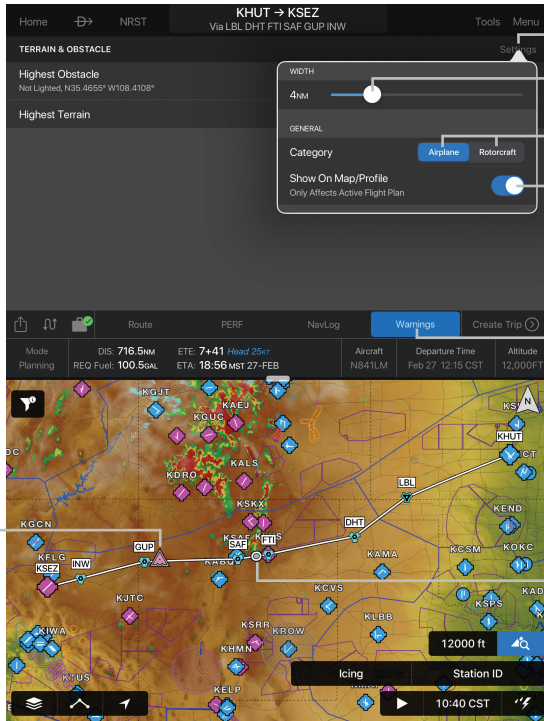
Flight Plan Summary - NavLog Tab

## FLIGHT PLAN SUMMARY - WARNINGS TAB



**NOTE:** Adjusting the 'Show on Map/Profile' switch within the Flight Plan Summary affects the Active Flight Plan only.

When the **Warnings** tab is selected within the Flight Plan Summary, you can view and adjust settings for **Highest Obstacle**, **Highest Terrain**, **Width** of the corridor, **Show on Map/Profile**, and **Category** of aircraft (Airplane or Rotorcraft). In support of Helicopter Emergency Management Services (HEMS), Garmin Pilot identifies the highest obstacle along the planned route of flight.



Tap to View  
Slide to Set  
Corridor Width

Tap to Select

Tap to Display

Tap to View  
Warnings Tab

Highest Obstacle

Highest Terrain

Flight Plan Summary - Warnings - Settings


### Viewing the Highest Obstacle Along the Flight Plan:

From any page, tap **Home** >  > **Warnings**. The **Highest Obstacle** will be listed in both MSL & AGL.

### Viewing the Highest Terrain Along the Flight Plan:

From any page, tap **Home** >  > **Warnings**. The **Highest Terrain** will be listed in MSL.


### Setting the Corridor Width for the Highest Point Along the Flight Plan:

- 1) From any page, tap **Home** >  > **Warnings**.
- 2) Tap and drag the desired width.

### Viewing the Highest Point Along the Flight Plan on the map:

From any page, tap **Home** >  > **Warnings** > **Show on Map/Profile**.

### Setting the Aircraft Category for the Highest Point Along the Flight Plan:

- 1) From any page, tap **Home** >  > **Warnings**.
- 2) Tap **Airplane** or **Rotorcraft** in the 'Category' field.

## HAZARD COLORS

Changing the aircraft category as described above will change the color of terrain and obstacle hazard icons on the map.

### Aircraft (Terrain and Obstacles)

- Red: Terrain/obstacle is above or within 100 ft below the aircraft altitude.
- Yellow: Terrain/obstacle is between 100 ft and 1000 ft below the aircraft altitude.

### Helicopter (Terrain)

- Red: Terrain is more than 250 ft above the aircraft altitude.
- Orange: Terrain is between 250 ft and 0 ft above the aircraft altitude.
- Yellow: Terrain is between 0 ft and 250 ft below the aircraft altitude.

### Helicopter (Obstacles)

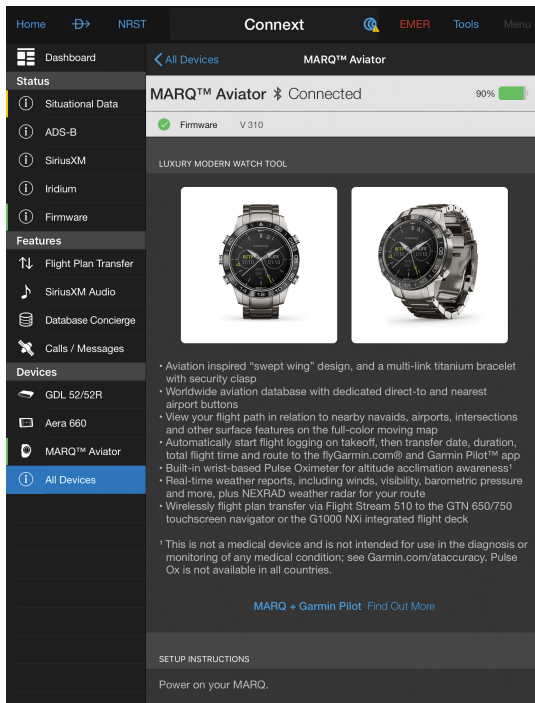
- Red: Obstacle is at or above current aircraft altitude.
- Yellow: Obstacle is between 0 ft and 250 ft below current aircraft altitude.

## GARMIN PILOT COMPATIBLE WATCH - FLIGHT PLAN SHARING

Garmin Pilot can share Flight Plans with any Garmin Pilot compatible watch via a Bluetooth<sup>®</sup> connection. When the Garmin Pilot compatible watch is in 'Share Mode' it will automatically pair with your iOS device.



**NOTE:** Any Garmin Pilot compatible watch route sharing is only available with iOS devices that support Bluetooth 4.0 + (e.g., iPhone 4S, iPod Touch 5 and iPad 3 and newer).




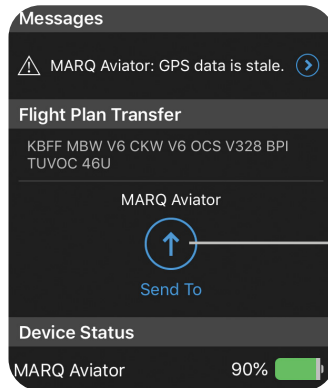
### MARQ Aviator Pilot Watch

## Sending Flight Plans to the Garmin Pilot Compatible Watch:

From any page, tap **Home** >  > **Menu** > **Share Flight Plan**. Ensure the Garmin Pilot compatible watch is in 'Share Mode' to receive flight plan data.

**Or:**

- 1) From any page, tap **Home** > .
- 2) Tap the desired Watch Tab.
- 3) Tap **Send** next to the desired flight plan to send.



Devices Page (MARQ Aviator Pilot Watch)

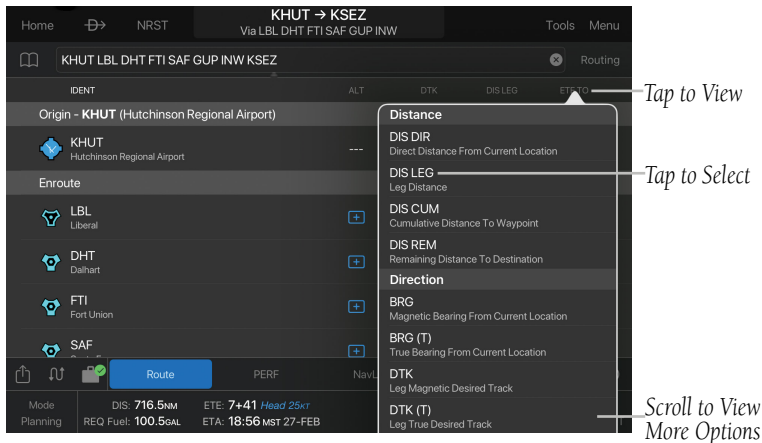
## FLIGHT PLAN DATA COLUMNS

The Flight Plan Page includes two or four configurable data columns. Tap the column header to view the following column options:



<b>DIS DIR</b> - Direct Distance From Current Location	<b>ETA</b> - Estimated Time of Arrival	<b>WIND LEG</b> - Wind Leg Avg
<b>DIS LEG</b> - Leg Distance	<b>ETE LEG</b> - Leg Estimated Time Enroute	<b>HWIND LEG</b> - Headwind Component Leg Avg
<b>DIS CUM</b> - Cumulative Distance To Waypoint	<b>ETE TO</b> - Cumulative ETE to Waypoint	<b>XWIND LEG</b> - Crosswind Component Leg Avg
<b>DIS REM</b> - Remaining Distance To Destination	<b>ETE REM</b> - Remaining ETE to Destination	<b>WIND COR LEG</b> - Wind Correction Angle Leg Avg
<b>BRG</b> - Magnetic Bearing From Current Location	<b>ALT</b> - All Altitude Constraints	<b>TEMP</b> - Air Temperature at Waypoint
<b>BRG (T)</b> - True Bearing From Current Location	<b>PUB ALT</b> - Published Altitude Constraints	<b>ISA TEMP</b> - ISA Temperature at Waypoint
<b>DTK</b> - Leg Magnetic Desired Track	<b>USR ALT</b> - User-Entered Altitude Constraints	<b>IAS</b> - Indicated Airspeed at Waypoint
<b>DTK (T)</b> - Leg True Desired Track	<b>ESA</b> - Enroute Safe Altitude	<b>TAS LEG</b> - True Airspeed Leg Avg
<b>HDG</b> - Leg Magnetic Heading	<b>FUEL LEG</b> - Leg Fuel Burned	<b>TAS</b> - True Airspeed at Waypoint
<b>HDG (T)</b> - Leg True Heading	<b>FUEL REQ</b> - Cumulative Fuel Burned to Waypoint	<b>GS LEG</b> - Ground Speed Leg Avg
<b>MAG VAR</b> - Magnetic Variation	<b>FUEL REM</b> - Remaining Fuel at Waypoint	<b>GS</b> - Ground Speed Leg Avg
<b>PUB SPD</b> - Published Speed at Waypoint	<b>SPEED</b> - Output Speed	<b>POWER</b> - Output Power
<b>RATING</b> - Output Rating		

### Flight Plan Data Column Options





Flight Plan Column Data

## SEARCH AND RESCUE (SAR)



Pilots conducting Search and Rescue (SAR) missions can automatically generate flight plans for the following search and rescue patterns:

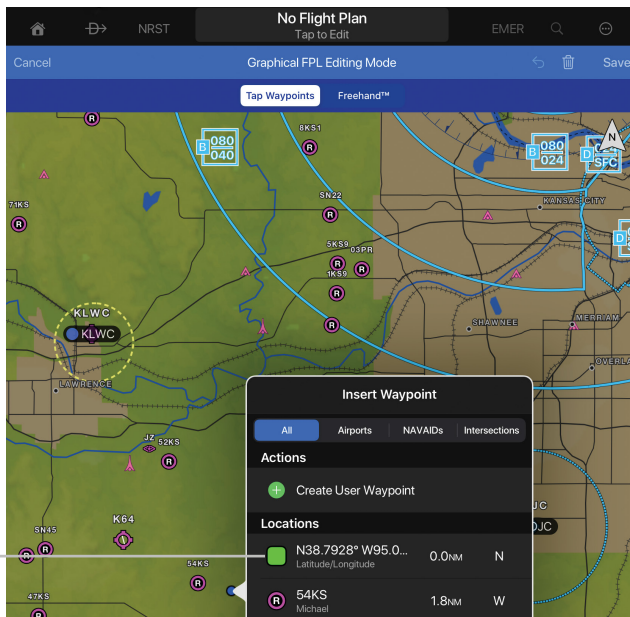
• Parallel Tracks	• Sector
• Expanding Square	• Orbit
• Civil Air Patrol (CAP) Grid	

Search & Rescue Patterns

CAP Grid patterns can also be displayed on the map page or charts by tapping **Home** >  >  > **Overlays** > **CAP Grid**.

## Adding a search and rescue pattern without an existing flight plan:

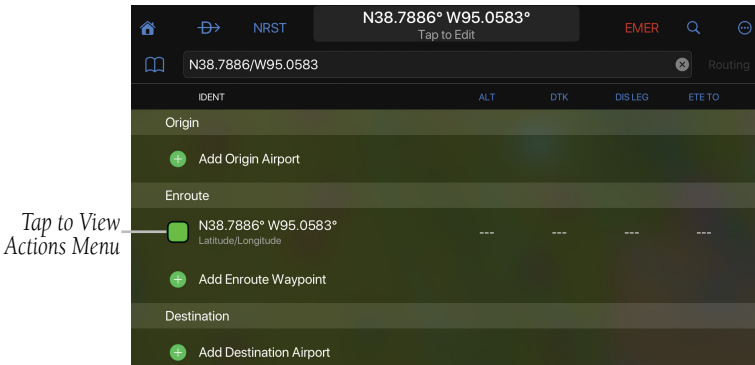
- 1) From any page, tap **Home** > .
- 2) Tap on the map in the desired area to display the Radial Menu > . This activates the Graphical Flight Plan Editing Mode.
- 3) The 'Insert Waypoint' window will appear. The Latitude & Longitude of the new location will be displayed, highlighted by a green square. Tap the green square > **Save**.



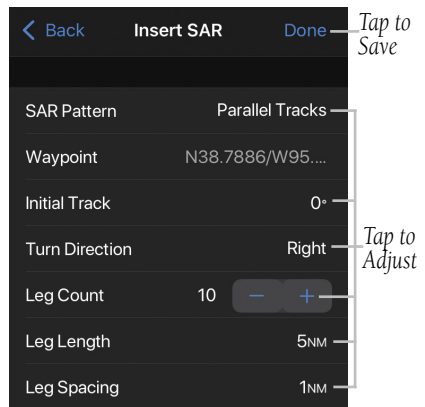
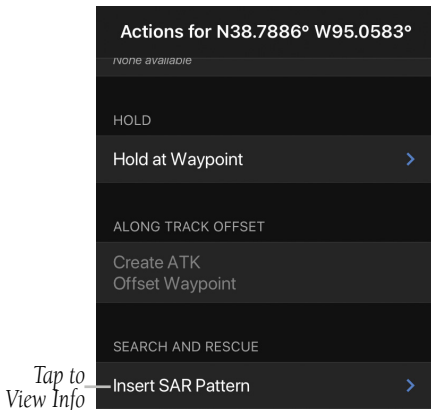
*Tap to Insert  
New Location*

**SAR - No Active Flight Plan - New Location**

- 4) The location is now saved as a waypoint in the Enroute section of the Flight Plan. Tap on the waypoint to display the 'Actions' menu. Scroll down, then Tap on **Insert SAR Pattern**.
- 5) Tap on the **Insert SAR Pattern**. Adjust the SAR Pattern as desired > **Done**. The SAR Pattern is now visible on the map with numbered legs starting with "SAR", e.g. SAR01, SAR02, etc.




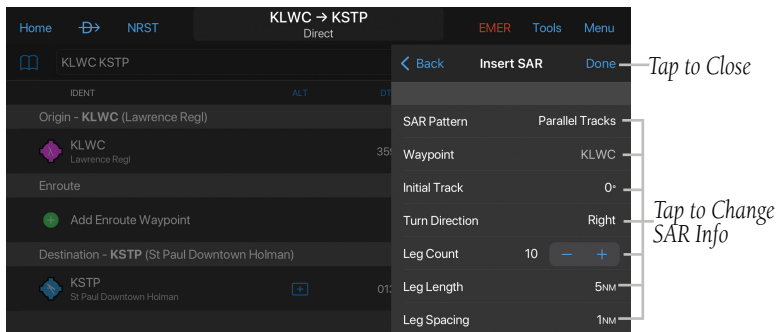
SAR - No Active Flight Plan - Enroute Waypoint Added



Actions Menu & Insert SAR Menu

## Adding a search and rescue pattern to an existing flight plan:



- 1) From any page, tap **Home** > .
- 2) Tap on a waypoint in the flight plan and select **Insert SAR Pattern** from the 'Actions' window.
- 3) Tap **SAR Pattern** and select the **SAR Pattern Type**.
- 4) Tap **Waypoint** and modify as desired.
- 5) Tap **Initial Track** and enter the heading.
- 6) Tap **Turn Direction** and select 'Left' or 'Right'.
- 7) Tap '-' or '+' to modify the **Leg Count**.
- 8) Tap **Leg Length** and set the desired distance.
- 9) Tap **Leg Spacing** and select the distance between each search track.
- 10) Tap **Done** to add the search pattern to the flight plan.



Search and Rescue - Add to Flight Plan

Search and rescue patterns may also be added to an existing route by selecting **Insert Search and Rescue** when graphically editing a route.

### Adding a search and rescue pattern while graphically editing flight plan:

- 1) From any page, tap **Home** >  or **Home** > .
- 2) Tap on a waypoint in the flight plan and select **Insert SAR** from the 'Actions' window.
- 3) Tap **SAR Pattern** and select the **SAR Pattern Type**.
- 4) Tap **Waypoint** and modify as desired.
- 5) Tap **Initial Track** and enter the heading.
- 6) Tap **Turn Direction** and select 'Left' or 'Right'.
- 7) Tap '-' or '+' to modify the **Leg Count**.
- 8) Tap **Leg Length** and set the desired distance.
- 9) Tap **Leg Spacing** and select the distance between each search track.
- 10) Tap **Done** to add the search pattern to the flight plan.

SAR Waypoints & Parallel Tracks Pattern Loaded to Flight Plan

KLWC → KSTP  
Via (null)      EMER    Tools    Menu

Home    ↗    NRST    KLWC KSTP    Routing

IDENT	ALT	DTK	DIS LEG	ETE TO
Origin - KLWC (Lawrence Regl)				
KLWC Lawrence Regl		359°	0.0NM	00:00
Enroute				
SAR01 Search and Rescue		358°	4.9NM	01:19
SAR02 Search and Rescue		088°	0.8NM	01:30
SAR03 Search and Rescue		178°	4.8NM	02:48
SAR04 Search and Rescue		088°	0.8NM	02:58

Route    PERF    NavLog    Warnings    Create Trip

Mode Planning	DIS: 413.6NM	ETE: 1:08	Head 1st	Aircraft N324AS	Departure Time Nov 19 10:59 CST	Altitude 41,000FT
REQ Fuel: 1265.6	ETA: 12:07 CST	19-NOV				

### Search and Rescue (SAR) - Parallel Tracks




# FLTPLAN.COM

Flight plans created with FltPlan.com are available in Garmin Pilot after linking your FltPlan.com credentials within the app. Upcoming flights and those within the last 48 hours are displayed in the Trip Planning tab.



**NOTE:** Once you have linked your FltPlan.com account, the FltPlan.com icon will appear on the Home Screen Main Menu.

## Linking FltPlan.com with Garmin Pilot:

- 1) From any page, tap **Home** > .
- 2) Tap **FltPlan.com** on the left.
- 3) Tap **Sign In** and enter your FltPlan.com credentials.

Date	Dep	Arr	Local Time	ETE	Call Sign	PIC	Quick Change	Modify	Display	NavLog	File	Messages	FBO Brief	FRAT	EDCT	Notes
Tue. 8:02	KFCM	KASE	1000	1:05	2:05	TCJ3PGM	Joe Pilot	QC	QC	QC	NavLog	ICAO Equipment Mismatch - Error #2		Needs Updating		add notes
Tue. 8:02	KFCM	KASE	1000	1:12	2:12	TCJ1PGM	Joe Pilot	QC	QC	QC	NavLog	ICAO Equipment Mismatch - Error #2		Needs Updating		add notes
Wed. 8:03	KFCM	KLAS	1000	1:38	3:38	TENGCOM	Joe Pilot	QC	QC	QC	NavLog	ICAO Equipment Mismatch - Error #2		Needs Updating		add notes
Thu. 8:04	KSTP	KMDW	0900	09:59	0:59	N2345B	Joe Pilot	QC	QC	QC	NavLog	-		Not Submitted		add notes

FltPlan.com - Linked

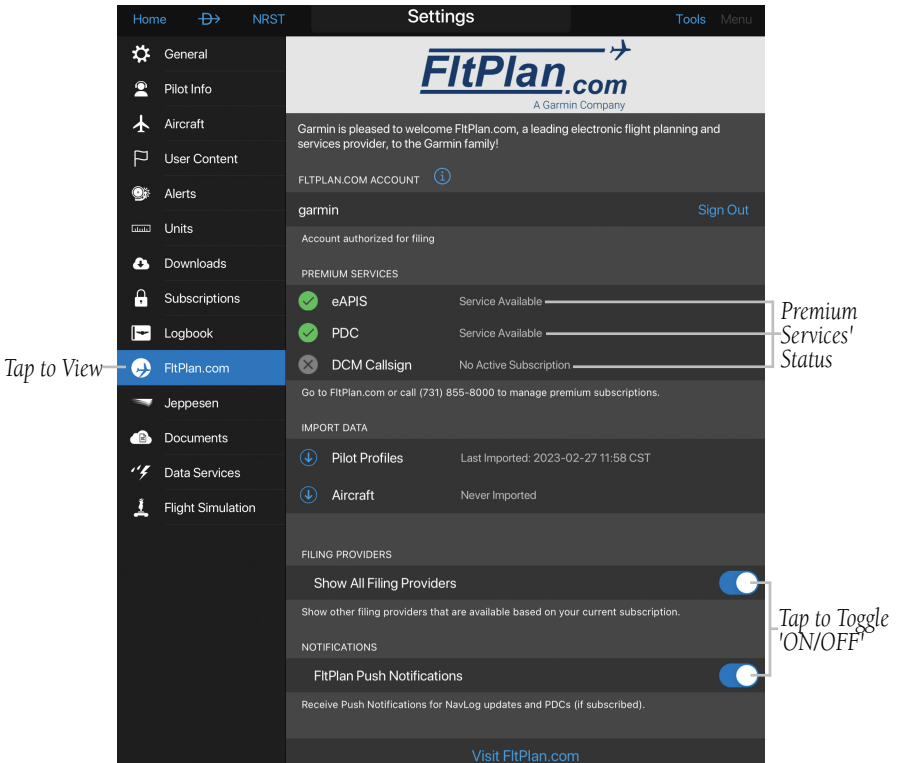


### Accessing FltPlan.com within Garmin Pilot:

From any page, tap **Home** > . Account information and the ability to create/file flight plans is presented.

### Viewing FltPlan.com settings within Garmin Pilot:

From any page, tap **Home** >  > **FltPlan.com**. Account information, including Premium Services purchased via FltPlan.com (Optional), Pilot Profiles, Push Notifications, etc., are accessible.



FltPlan.com - Premium Services - Settings

## FLTPLAN.COM PREMIUM SERVICES (OPTIONAL)

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Flight plans may be seamlessly synchronized between Garmin Pilot and FltPlan.com with additional features. The Premium Services subscription allows pilots to view Pre-Departure Clearances (PDC's) and, if necessary, the ability to submit Electronic Advance Passenger Information System (eAPIS) manifests.

### PRE-DEPARTURE CLEARANCES (PDC'S)

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**NOTE:** To receive your PDC by email or text message, you must file the flight plan through FltPlan.com.

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**NOTE:** The PDC service is not operational until the aircraft registration number/call sign, are registered with the FAA via FltPlan.com.


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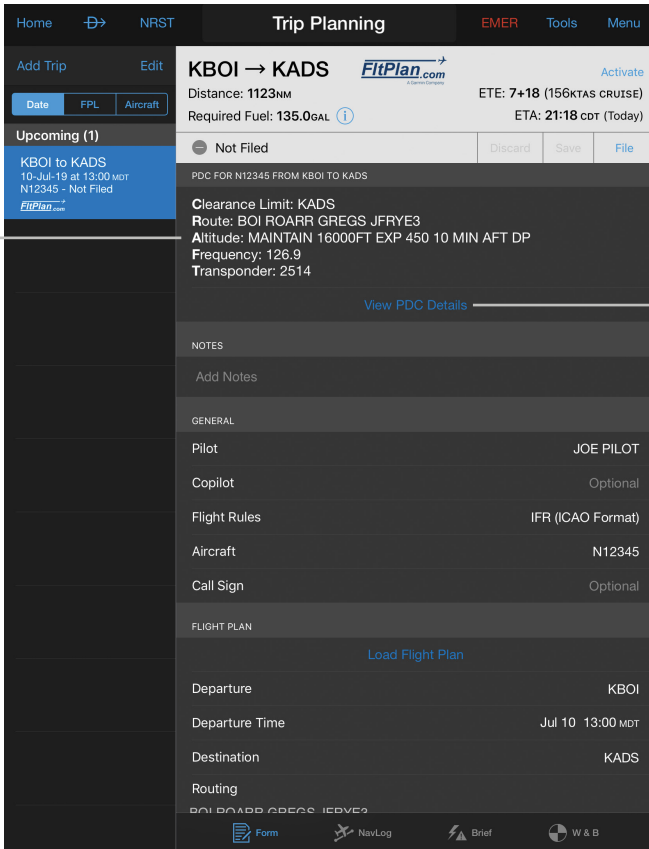


**NOTE:** To view an updated list of airports where PDC's are available, please visit FltPlan.com.

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### Accessing FltPlan.com Pre-Departure Clearances (PDC's):

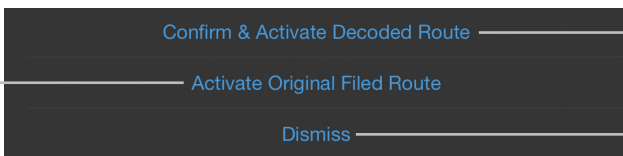
- 1) From any page, tap **Home** > .
- 2) Tap desired flight plan.
- 3) Tap '**View PDC Details**' if available for your route of flight.
- 4) Tap either '**Confirm & Activate Decoded Route**' or '**Activate Original Filed Route**'.



*PDC For Route of Flight*

*Tap to Review PDC Details*

**FltPlan.com - PDC**






*Tap to Load Original Route*

*Tap to Load Amended Route*

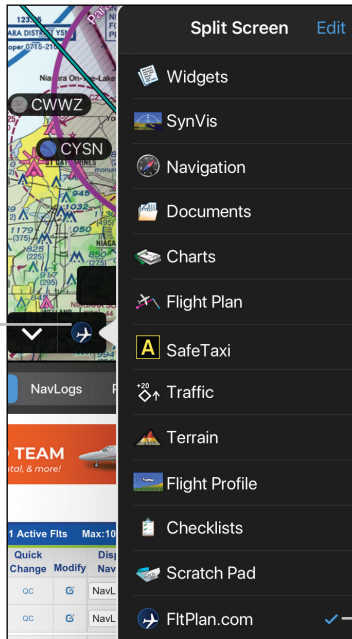
*Tap to Close Window*

**FltPlan.com - PDC Route Activation**

Or:

- 1) From the Map Page tap  to display **Split Screen**.
- 2) Tap the user selected icon next to the  to view the **Split Screen** menu.
- 3) Tap  to view FltPlan.com information.
- 4) Tap **PDC's** to view your Pre-Departure Clearance.

Tap Icon to Display Split Screen Menu



Tap to View FltPlan.com Info

Split Screen - FltPlan.com Selection


FltPlan.com offers PDC's for Jets and Turbo Props not equipped with a datalink box. PDC's are text clearances issued for an IFR flight plan. PDC's include your filed route, amendments to your route, cleared altitude, transponder code, departure frequency, and any special instructions. A PDC is the same as receiving a verbal clearance from Clearance Delivery. Approximately 20-30 minutes prior to the filed departure time, ATC will generate the PDC and the PDC will be forwarded to FltPlan.com.

Once received, the PDC will automatically be displayed on your **Active Flight Plan** list. The PDC may also be distributed to the Pilot or Co-Pilot via email/text, as setup in the **User/Pilot Info** section of your account.

## EAPIS

With FltPlan.com's Premium Service subscription, Garmin Pilot allows users with an Electronic Advance Passenger Information System (eAPIS) to enter and upload passenger and crew manifests to Customs and Border Protection. For flights departing from the United States to Canada, Mexico, and the Caribbean, a message will appear on the Trip Planning page in Garmin Pilot to notify users that a manifest is required.

### Accessing FltPlan.com eAPIS:

- 1) From the  page, select the desired flight plan.
- 2) Tap **eAPIS**.

24-Jul-19 at 14:00 CDT N1234A-H - Not Filed FltPlan.com	GENERAL
KJFK → CYUL (1)	eAPIS
KJFK to CYUL 22-Jul-19 at 18:58 EDT N5000J - Not Filed FltPlan.com	Pilot Copilot Flight Rules Aircraft Call Sign
KSJC → KTRK (2)	JOE PILOT Optional IFR (ICAO Format) N5000J Optional
KSJC to KTRK 25-Jul-19 at 07:50 PDT N160SB - Not Filed	
KSJC to KTRK	

*Tap to  
View  
eAPIS  
Options*

### FltPlan.com - Trip Planning - eAPIS

### 3) Tap **Create/Modify Manifest**.

Status	Gen. Dec.	Forms 178 / 5129	Intl Manifest	Form 6059B
LOT	-	-	-	-
U.S. SAVED Mexico APIS: SAVED In addition to submitting your APIS manifest, you must also call FltPlan 30 minutes before departure Last Submitted: N/A	Gen Dec	-	Intl Mnfst	-

**Create/Modify Manifest**

*Tap to View Saved Item*

*Tap to Create/Modify Item*

**FltPlan.com - General Declaration & International Manifest**

- 4) Enter the appropriate passenger and crew information as you would on FltPlan.com.
- 5) Tap **Submit** to upload the information to Customs and Border Protection.

**DEPARTMENT OF HOMELAND SECURITY**  
U.S. Customs and Border Protection

**GENERAL DECLARATION**  
(Outward/Inward)  
**AGRICULTURE, CUSTOMS, IMMIGRATION, AND PUBLIC HEALTH**

19 CFR 122.43,122.52,122.54,122.73,122.144

OMB APPROVAL NO. 1551-0002  
EXPIRATION DATE 11/02/2019  
ESTIMATED BURDEN 6 MIN.

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**Owner or Operator** ABZ CORP

**Marks of Nationality and Registration** U.S.A. - N1234A      **Flight No.** N1234A - DC11234      **Date** 07/17/2019

**Departure from** KMSP (Place)      **Arrival at** MORDX (Place)

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**FLIGHT ROUTING**  
(“Place” Column always to list origin, every en-route stop and destination)

PLACE	TOTAL NUMBER OF CREW	NUMBER OF PASSENGERS ON THIS STAGE (1)
	CREWMEMBER, TEST A	<b>Departure Place:</b>
	CRYSTAL, BILL F	Embarking

**FltPlan.com - General Declaration**

Once the manifest has been successfully submitted, a confirmation message will appear on the Trip Planning page.

## DOT COM (DCM) CALL SIGN

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**NOTE:** *DCM Call Signs are available for Jet & Turboprop FltPlan customers only. To enroll in FltPlan's DCM Call Sign program, please call 1-800-FLT-PLAN or email [support@FltPlan.com](mailto:support@FltPlan.com).*

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If you feel your flight schedule and history should remain private, you might want to either block your tail number, or use one of FltPlan's DCM call signs. Blocking an aircraft can be done at two different levels, the FAA and Aircraft Situation Display to Industry (ASDI) Vendor level. If you require this type of privacy, but would still like to track your plane, FltPlan can help you with a DCM call sign.

With a DCM call sign, you have the option to block your aircraft at the FAA level, yet you can still track your own call sign. DCM call signs take effect immediately, you can block/unblock your aircraft at will, and once assigned a call sign, you are known at DOT COM.



## AIRPORT INFORMATION

Airport information is a downloadable product available free with your Garmin Pilot subscription. Because Garmin Pilot will not automatically remove outdated charts, it is important to always ensure the latest Data Cycle has been downloaded prior to planning a flight. The cycle number and date range for every downloadable product is displayed on the Downloads Page.

Finding airport information is easy with Garmin Pilot. The Home Button located at the top of the map page and various other pages within Garmin Pilot contains the Airport Info icon. Tapping the icon will present the Airport Information page with the last-found airport shown.

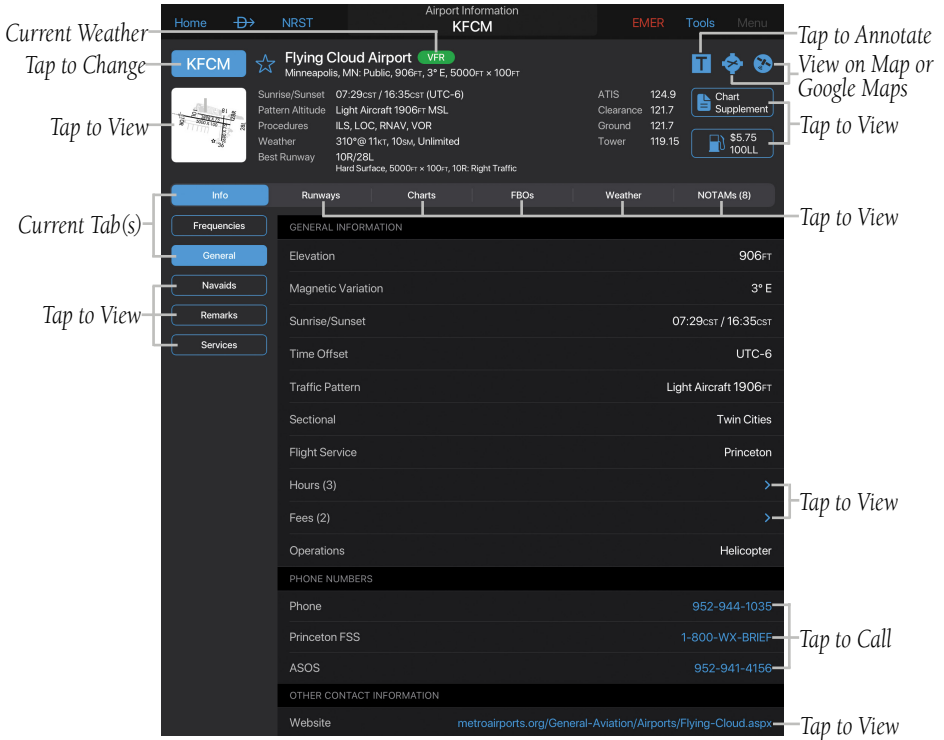
The Airport Information Page provides at-a-glance access to the most widely used information. The airport page header includes the type of procedures available for the airport, weather conditions, as well as frequencies. A horizontal navigation bar simplifies the workflow, making it easier to access runway information, charts, FBOs, weather and NOTAMs.

The FBO page provides essential information, such as telephone number, Unicom, and lowest fuel price available for each FBO in one view. In addition, the FBO services are displayed as easily recognizable icons, allowing pilots to quickly determine the location that best meets their needs.



The left margin below the summary window contains selectable tabs for changing the data displayed in the third section, located in the lower right two-thirds of the display. The summary window contains the basic information for the selected airport.

<b>Airport Header</b>	Elevation, magnetic variation, traffic pattern altitudes(s), sunrise/sunset, types of procedures, weather, best runway, ATIS, ATIS, Clearance, Ground, Tower (if applicable), Chart Supplement, Fuel Price (if applicable).
<b>Frequencies</b>	Communication frequencies.
<b>General</b>	Elevation, magnetic variation, sunrise/sunset, time offset, traffic pattern, sectional, flight service, hours of operation, fees, type(s) of flight operations, phone number(s) and "Other" contact information (e.g. website).
<b>Nav aids</b>	Nearest navigation aids, frequencies, distances, and radials.
<b>Remarks</b>	Obstructions, Noise abatement information, notes, FAA remarks.
<b>Services</b>	Nearby lodging, car rental, transportation, attractions, and dining information.
<b>Runways</b>	Available runways, length (FT) and width (FT), applicable wind component, traffic pattern, lighting, surface condition, obstructions.
<b>Charts</b>	Airport info, instrument approaches, arrival procedures, departure procedures.
<b>FBOs</b>	Fixed base operators, contact information, fuel prices, fees, services available, custom fuel providers (if applicable) and other businesses on the field (e.g. Flight Training, Aircraft Sales, Flying Club, etc.)
<b>Weather</b>	Current weather conditions including: METAR, TAF, MOS, Winds Aloft, Forecast Discussion, PIREPs, and AIR/SIGMETs.
<b>NOTAMs</b>	Current and upcoming NOTAMs related to Airport, Obstacle, and FDC.




### Airport Information Page - General

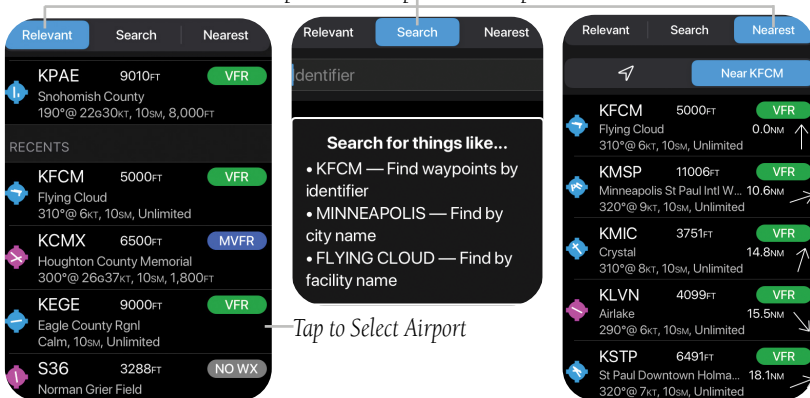
Within the Airport Summary window is an expandable thumbnail image of the airport diagram only if U.S. Runway Diagrams has been downloaded. Momentarily tapping the airport diagram thumbnail will expand the image to a more legible size. Tap anywhere outside of the expanded airport diagram image to remove the airport diagram from the display. More detailed information, including a full-size airport diagram as well as other charts, are available under the tabs located on the left side of the display.

From the Airport Information Page, the primary method of accessing airport search functionality is by tapping the airport identifier. Tapping the airport identifier (e.g. KFCM) on the left side of the airport header opens the airport search tool, which filters Airport Info into three sections; Relevant, Search, and Nearest. Tapping **Relevant** displays the airport(s) in the Active Flight Plan at the top, with Recent airports below. Tapping **Search** will allow the user to manually enter text to execute a search query. Tapping **Nearest** will allow the user to select an airport based of the current location, or near the current airport selected in the Airport Information Page.

## Searching for an Airport:

- 1) From any page, tap **Home** > .
- 2) Tap the Airport Identifier Button in the Summary Window.
- 3) At the top of the Airport search dialog box, select a search criteria.
- 4) Select the desired Airport from the list.

*Tap to Select Airport Search Options*





**Airport Information - Airport Search Options**



Criteria	Description
Relevant	Displays the airport(s) in the Active Flight Plan and a list of recently viewed airports.
Search	Search Airport Information by using the keyboard to input the identifier, airport name, or city in the search window. This creates a list of matching airports from which to select.
Nearest	Opens a list of nearest airports to the current location and near the current airport selected.

### Airport Search Options


#### Accessing Airport Information:

- 1) From any page, tap **Home** > .
  - 2) Select one of the quick access options. (Info, Runways, Charts, FBOs, Weather, NOTAMs, General, Nav aids, Remarks, or Services).
- Or:** From any page, tap **NRST** to view airports near current location > .

#### Viewing the Airport on the Map:

- 1) From any page, tap **Home** > .
- 2) Tap  to go to the airport on the Map.

### Viewing FBO Information:




- 1) From any page, tap **Home** >  > **FBOs**.
- 2) Tap the desired FBO or other business.

**Annotations:**




- Current Weather Tap to Change
- Tap to View
- FBO Name
- Services Provided
- Tap to Annotate View on Map or Google Maps
- Tap to View
- Tap to View
- Tap to View

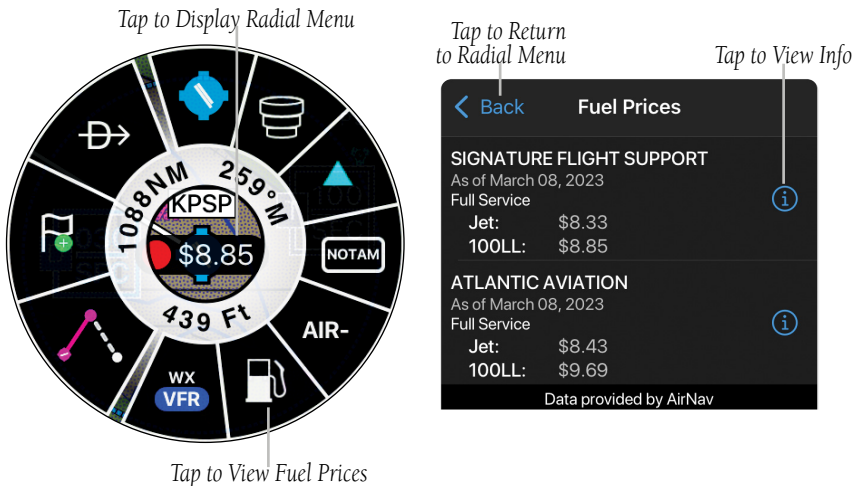
Airport Info Page - FBOs

## Viewing Fuel Prices by type:



- 1) From any page, tap **Home** > .
- 2) Tap  \$5.75 100LL to view each type of fuel (100LL, Jet, or Mogas). If the selected fuel type is not available at this location, or if no data is available for this location, a red annunciator will be listed next to the price, which will be displayed via strikethrough text ~~\$4.99~~ . The date of the most recent data is shown directly below the fuel provider.

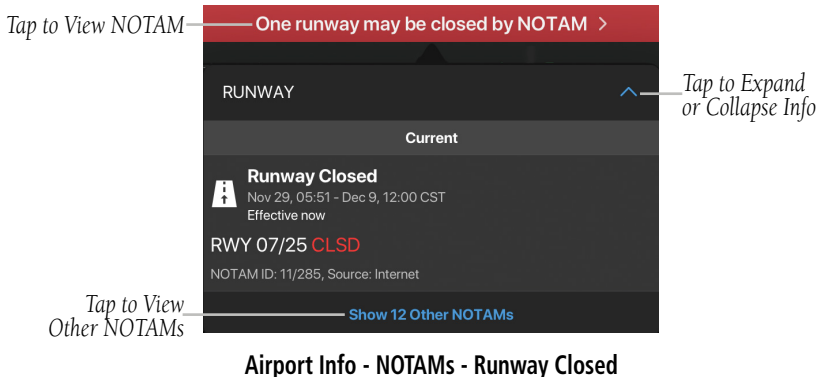
Or:

- 1) Tap  >  > **Overlays > Fuel Prices.**
- 2) Tap the desired airport to display the Radial Menu.
- 3) Tap  to view Fuel Price info.

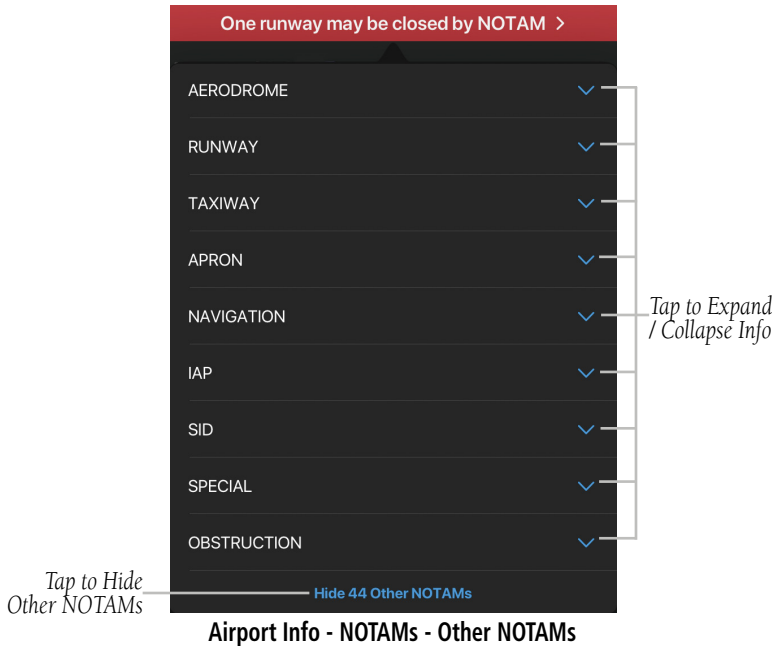


## Viewing NOTAMs via NOTAM banner:

- 1) From any page, tap **Home** > .
- 2) Tap the NOTAM banner at the top of the page (if applicable) to view details of the NOTAM.
- 3) Tap **Show Other NOTAMs** to display a NOTAM Menu, where the information is filtered by category, (e.g. Runway, Taxiway, Apron, IAP, Airspace, SID, Obstruction, etc.).
- 4) Tap  to expand/collapse additional info.





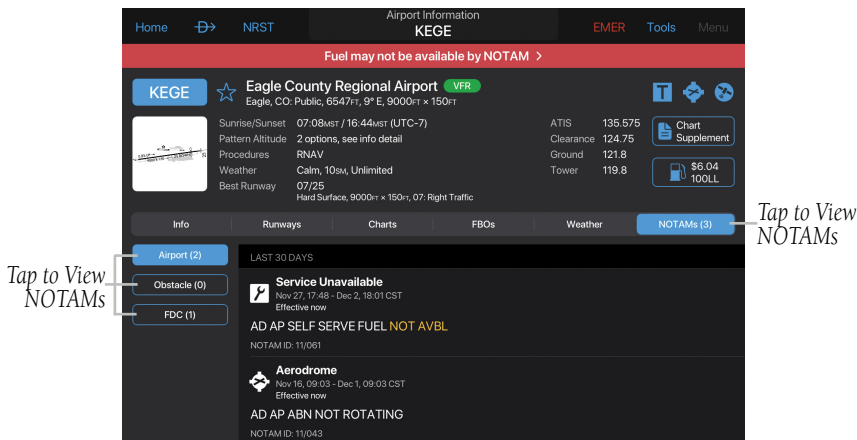
- 5) Tap **Hide Other NOTAMs** to close the NOTAM Menu.
- 6) Tap the NOTAM banner or anywhere outside the NOTAM window to close.






## Viewing NOTAMs via NOTAM tab:

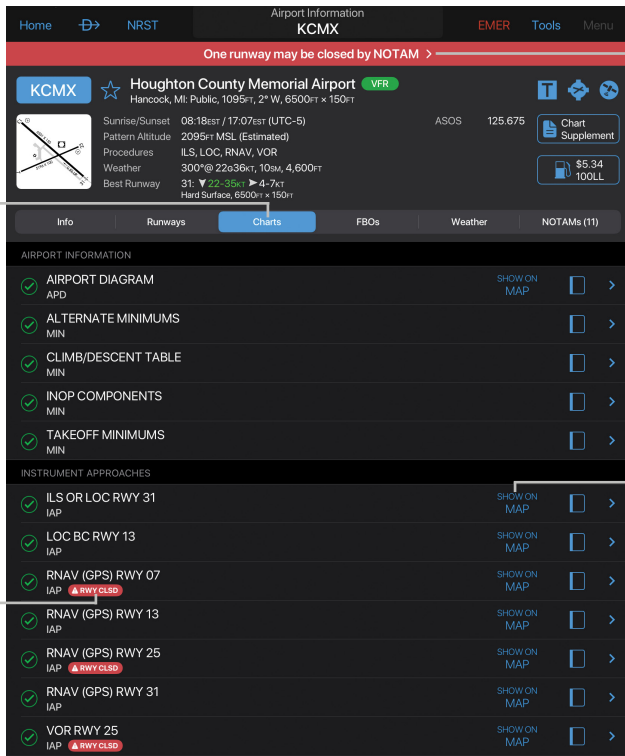
- 1) From any page, tap **Home** >  > **NOTAMs**.
- 2) Tap the desired NOTAM filter, **Airport**, **Obstacle**, or **FDC**.
- 3) NOTAMs will be displayed with the most recent listed at the top. Scroll down (if necessary) to view additional NOTAMs.
- 4) Tap  to view the NOTAM on the Map page (if applicable).



Airport Info - NOTAMs Tab - Airport

## Overlaying Approach Chart From Airport Information Page:

- 1) From any page, tap **Home** > .
- 2) Tap the Airport Identifier Button to search for the desired airport.
- 3) Tap the **Charts** tab. If there is a NOTAM causing conflict, an alert will be displayed next to the Runway associated with the procedure.
- 4) Tap **Show On Map** for the desired approach chart. Garmin Pilot switches to the Map page and displays the selected chart, overlaid on the moving map.



Tap NOTAM Banner to View Info

Tap to View Procedures

Tap to Show on Map


NOTAM Annunciation

Airport Info - Charts Tab - RWY CLSD

# RUNWAY WINDS

Garmin Pilot shows detailed information about the current headwinds and crosswinds for the currently displayed airport. Upward pointing arrows are accompanied by red windspeed values to indicate tailwinds, and downward pointing arrows with green values indicate headwinds. Left and right arrows show crosswind components in the indicated direction.

## Viewing Runway Winds:

- 1) From any page, tap **Home** > 
- 2) Tap the **Runways** tab to view real-time wind information for each runway.

*Tap to View*

*Runway & Headwind*

*Runway & Tailwind*

*Runway & Crosswind*

*Runway Surface Info*

*Wind Overlay*

*Tap to Toggle 'On/Off'*

**Home** **NRST** Airport Information **KICT** **Tools** **Menu**

**KICT** **Wichita Dwight D Eisenhower Ntl Airport** **VFR**

Wichita, KS - Public, 1833ft, 4° E, 10302ft × 150ft

Sunrise/Sunset 07.04cst / 18.21cst (UTC-6) ATIS 125.15 \$8.56 / 100LL

Pattern Altitude 2333ft MSL (Estimated) Clearance 125.7

Procedures ILS, LOC, RNAV, VOR Ground 121.9

Weather 320°@16623kt, 10sm, Unlimited Tower 118.2

Best Wind 32: **16-23kt** <math>\rightarrow</math> 3-4kt  
Hard Surface, 6301m × 150ft

**Info** **Runways** **Charts** **FBOs** **Weather** **NOTAMs (22)**

**01L/19R**  
10302ft × 150ft - 16°M/196°M  
01L: **8-11kt** <math>\rightarrow</math> 14-20kt  
19R: **8-12kt** <math>\leftarrow</math> 14-20kt  
Runway 19R: Right Traffic  
Lights: Full Time  
Surface Concrete, Grooved, In Good Condition


**01R/19L**  
7302ft × 150ft - 16°M/196°M  
01R: **8-11kt** <math>\rightarrow</math> 14-20kt  
19L: **8-12kt** <math>\leftarrow</math> 14-20kt  
Runway 01R: Right Traffic  
Lights: Full Time  
Surface Concrete, Grooved, In Good Condition

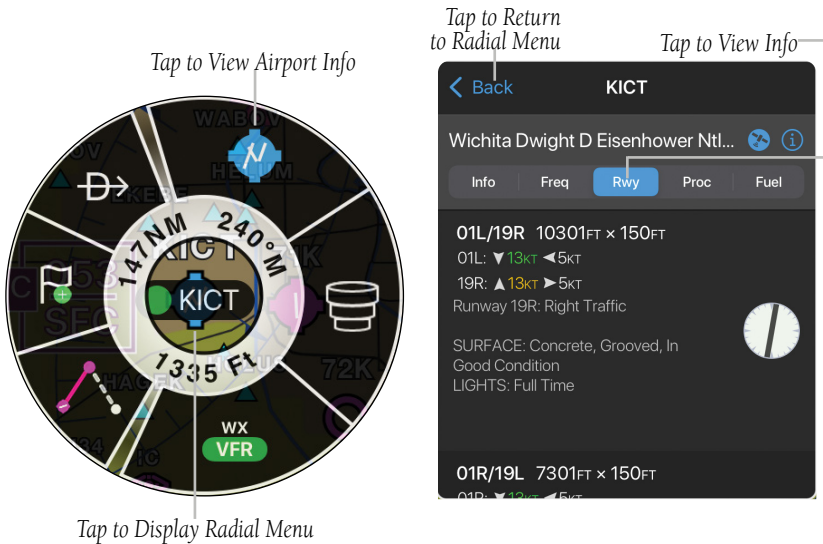
**14/32**  
6301ft × 150ft - 146°M/326°M  
14: **16-23kt** <math>\leftarrow</math> 3-4kt  
32: **16-23kt** <math>\rightarrow</math> 3-4kt **BEST WIND**  
Lights: Full Time  
Surface Concrete, Grooved, In Good Condition

Show Wind Overlay

Airport Info - Runways

Or:

- 1) From any page, tap **Home** > 
- 2) Tap and hold on any airport to view the Radial Menu.
- 3) Tap the Airport icon.
- 4) Tap the **RWY** category.





**Radial Menu - Airport Info - Runway**

## JEPPESEN PROCEDURES

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The Procedures tab shows various charts and procedures for the currently selected airport. By default, these charts and procedures are content published by Garmin. When the Garmin Pilot app is configured for a Jeppesen subscription, however, the Procedures tab will prefer Jeppesen content to Garmin content. If Garmin Pilot is using an active Jeppesen subscription that provides content for the current airport, the Procedures tab will still show any Garmin content.

The source of a chart is marked by the icon next to the chart name. Garmin-provided charts will show a green check mark , and Jeppesen-provided charts will show a green stylized Jeppesen logo .

## CHART SUPPLEMENT

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Garmin Pilot includes an electronic version of the Chart Supplement (formerly known as the Airport Facility Directory or A/FD) a publication of the National Aeronautical Navigation Products (AeroNav). There are nine regional directories containing public-use airports, seaplane bases, heliports, military facilities and selected private use facilities. From the Airport Information Page, tap the **Chart Supplement** button to view the selected airport details.

Tap the **General** button to view the following:

Table of Contents	Seaplane Landing Areas	Airport/Facility Directory Legend
City/Military Airport Cross Reference	Abbreviations	

### Chart Supplement - General Options


Tap the **Supplemental** button to view the following:

Aeronautical Chart Bulletins	VOR Test Facilities
Special Notices	Parachute Jumping Areas
Regulatory Notices	Supplemental Communication Reference
FAA & NWS Telephone Numbers	Preferred IFR Routes
PIREP Form	Q-Routes
Flight Service Station Communications Frequencies	High Altitude Redesign Phase 1 RNAV Routing
Flight Standards District Offices	Airport Diagrams
VOR Receiver Checkpoints	

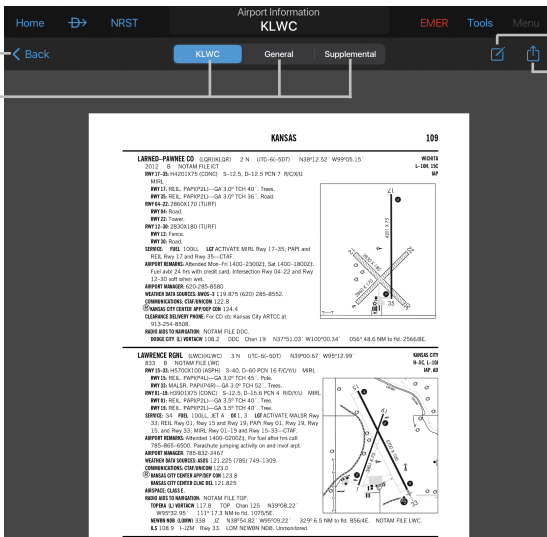
### Chart Supplement - Supplemental Options

Prior to flight, ensure the desired region(s) has been downloaded from the Downloads Page. Airport/Facility Directory Pages can be annotated similar to Charts.

### Viewing Chart Supplement:

- 1) From any page, tap **Home** >  .
  - 2) Tap **Chart Supplement**.
  - 3) Tap **KXXX** button to view airport specific information
- Or:** Tap **General**, to view the Chart Supplement General section.
- Or:** Tap **Supplemental**, to view the Chart Supplement Regional Supplement.






Tap to Return to Airport Info  
Tap to View Info



Tap to Annotate  
Tap to Share

### Airport Information - Chart Supplement

### Annotating Chart Supplement:

- 1) From any page, tap **Home** > .
  - 2) Tap **Chart Supplement**.
  - 3) Tap **KXXX**, **General**, or **Supplemental**, to navigate to the desired section.
  - 4) Tap **Menu** > **Annotate Chart Supplement**.
- Or:** Long press on the Chart Supplement.
- 5) Double Tap the desired tool ( = Draw,  = Highlight, or  = Erase) to display the associated Tools Palette.
  - 6) Tap the desired color, opacity (if available), and stroke.
  - 7) Annotate Chart as desired.
  - 8) Tap  > **Clear** to clear annotations.
  - 9) Tap **Close** to exit and save annotations.







## Viewing and Organizing Procedures:

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**NOTE:** Terminal procedures (e.g. SIDs, STARs, instrument approach procedures, airport diagrams, Hot Spots, and Take-off Minimums) are available for selection from the Airport Information page. A data connection (e.g., Wi-Fi or cellular) is required in order to download charts and to keep them up-to-date.

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- 1) From any page, tap **Home** > .
- 2) Tap the Charts Tab. All available charts and procedures are shown including: Airport Info, Approach Procedures, Arrival Procedures, and Departures. Chart titles preceded by  will need to be downloaded. Charts preceded by  or  have already been downloaded to the device.
- 3) Tap the desired chart to view.
- 4) Tap **Back** to return to the Airport Info Page.
- 5) Tap  to create a Chart Binder or add to an existing binder.
- 6) Enter a Binder name.
- 7) Tap  for each additional chart to add to a binder.

## Viewing Services:

- 1) From any page, tap **Home** > .
- 2) Tap the **Services** Tab. Select from the available options including; Attractions, Customs, and Services, (e.g. Airframe Repair, Engine Repair, Bottled Oxygen, etc.).



# CANADA FLIGHT SUPPLEMENT

Garmin Pilot also includes an electronic version of the Canada Flight Supplement (CFS), a publication of Nav Canada. It contains information on all registered aerodromes and certain Atlantic aerodromes and certified airports. Prior to flight, ensure the desired region(s) has been downloaded from the Downloads Page.

CANADA FLIGHT SUPPLEMENT / GPH 205 Effective 09012 23 February 2023 to 09012 20 April 2023

ONTARIO AERODROME/FACILITY DIRECTORY

**MUSKOKA VFR TERMINAL PROCEDURES CHART**

NAME	IDENT	LAT/LONG
BAYSVILLE	VCBZV	N45° 09' 00" W079° 07' 00"
BRACEBRIDGE	VCBRB	N45° 03' 00" W079° 18' 30"
GRAVENHURST	VCGRH	N44° 55' 15" W079° 22' 45"
MORTIMER'S POINT	VCMRT	N45° 02' 45" W079° 33' 30"
SPARROW LAKE	VCSPZ	N44° 49' 00" W079° 23' 30"
UFFINGTON	VCUFF	N44° 59' 00" W079° 11' 45"

CANADA FLIGHT SUPPLEMENT / GPH 205 Effective 09012 23 February 2023 to 09012 20 April 2023


ONTARIO AERODROME/FACILITY DIRECTORY

**MUSKOKA ON CYQA**

<b>REF</b>	N44 58 35 W79 18 24 4S 11°W UTC-5(4) Elev 918' AS000 LO6 HIS CAP
<b>DPR</b>	District Municipality of Muskoka 705-687-2194 Cert
<b>PF</b>	A-1 C-2,3,4,5,6
<b>CUST</b>	AOE/15 888-226-7277 14-22Z± dly, Jun 15-Sep 17; 14-22Z± Mon-Fri exc hols, Sep 18-Jun 14
<b>FLT PLN</b>	Pilots to open/close VFR fl plan with London rdo, FISE or by phone. <b>FIC</b> London 866-WXBRIEF (Toll free within Canada) or 866-541-4104 (Toll free within Canada & USA)
<b>WX</b>	METAR AUTO H24 (see COMM) TAF 13-03Z±; issue times: 13, 20Z (DT 12, 14 & 20Z). WxCam
<b>SERVICES</b>	13-23Z± Mar 15-May 14, 12-01Z± May 15-Sep 14, 13-23Z± Sep 15-Nov 14, 11-02Z± Nov 15-Mar 14. After hrs call out chg 100LL, JA-1 (FSII avbl), SP
<b>FUEL</b>	All
<b>OIL</b>	S
<b>S</b>	1,2,3,4,5,6
<b>JASU</b>	10/15
<b>MILCON</b>	District Municipality of Muskoka (World Fuel Services) 705-687-2194
<b>RWY DATA</b>	Rwy 18(181°)/36(011°) 600x150 ASPH Thrd 18 displ 800'
<b>RWY CERT</b>	Rwy 18/36 AGN IIB
<b>TWY CERT</b>	Twys A, B, C, D AGN II
<b>TWY</b>	Twys A, B and C rstd to act with a wingspan of less than 24M/79'. Twys C, D: PVT
<b>APRON</b>	Apron 1 win maint on S side only. Prkg fees ctc opr.
<b>RCR</b>	Opr CRFIRSC & win maint 11-02Z±; PLR/PCN
<b>LIGHTING</b>	18-(TE ME) P1, 36-(TE ME) ARCAL-122.3 type K
<b>COMM</b>	<b>RCO</b> Timmins rdo 122.3 (RAAS), London 123.475 (FISE) 126.7(bcst) <b>HF</b> Timmins rdo 122.3 5MW 3800 ASL (CAR 602.98) <b>AWOS</b> 124.575
<b>CAUTION</b>	100 AGL, trees aprx 2000' beyond Thrd 36, 600' W rwy centre line.

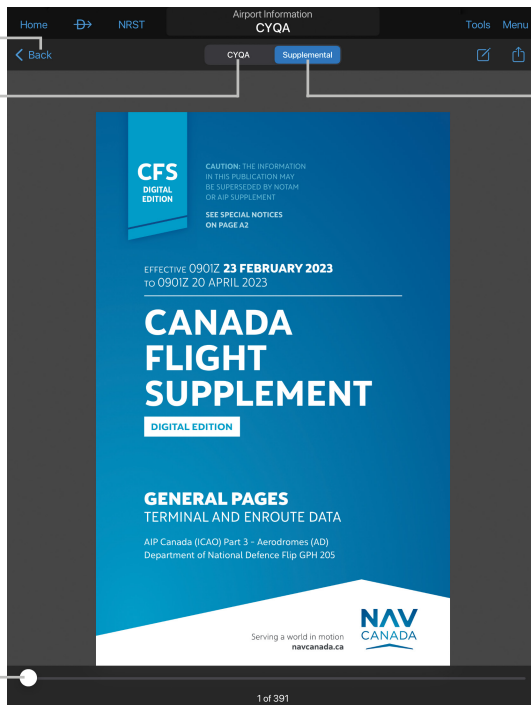
## Canada Flight Supplement - Airport Info

## Viewing the CFS:

- 1) From any page, tap **Home** > .
- 2) If necessary, tap the Airport Identifier button and search for any Canadian airport.
- 3) Tap **CFS** to view airport info.
- 4) Tap **Supplemental** to view the entire CFS.
- 5) Move the Slider along the bottom to view additional information > **Back** to return to the Airport Information page.

Tap to Return  
to Airport Info

Tap to View  
Airport CFS



Tap to View  
Entire CFS

Slide to View Info

### Canada Flight Supplement



## WEATHER DATA AND IMAGERY



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**WARNING:** Do not use the indicated data link weather product age to determine the age of the weather information shown by the data link weather product. Due to time delays inherent in gathering and processing weather data for data link transmission, the weather information shown by the data link weather product may be significantly older than the indicated weather product age.

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**WARNING:** Do not use data link weather information for maneuvering in, near, or around areas of hazardous weather. Information contained within data link weather products may not accurately depict current weather conditions.

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Weather is presented in Widgets (as text), map overlays, preflight weather briefings, or with National Weather Service static aviation weather maps. To receive up to date weather information, the device must have access to a wireless network (Wi-Fi or cellular), a Flight Stream 510, 210, 110, GDL 52/52R, GDL 39/39 3D, GTX 345, or a GTX 45R.

## RADAR

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Weather radar data is collected from radar sites across the United States, Canada, and select overseas locations. It is combined into a mosaic for easier display and analysis.

The radar data displayed is not real-time. The lapsed time between collection, processing, and dissemination of radar images can be significant and may not reflect the current radar synopsis. Due to the inherent delays and the relative age of the data, it should be used for long-range planning purposes only. Never use radar data to penetrate hazardous weather. Rather, use it in an early-warning capacity for pre-departure evaluation.

Composite data from radar sites in the United States is shown. Base Reflectivity, the lowest level radar scan can also be displayed. Base reflectivity best represents the precipitation falling from the clouds, while composite reflectivity combines the radar data from all altitudes into one view. Composite data is composed of the maximum reflectivity from the individual radar sweeps at different tilt angles of the radar beam with respect to the ground. The display of the information is color-coded to indicate the weather severity level. Colors are used to identify the different echo intensities (reflectivity) measured in dBZ (decibels or Z). "Reflectivity" (designated by the letter Z) is the amount of transmitted power returned to the radar receiver. The dBZ values increase as returned signal strength increases. Precipitation intensity is displayed using colors corresponding to the dBZ values.

## **RADAR ABNORMALITIES**

There are possible abnormalities regarding displayed radar images. Some, but not all, of those include:

- Ground clutter
- Strokes and spurious radar data
- Sun strokes (when the radar antenna points directly at the sun)
- Military aircraft deploy metallic dust (chaff) which can cause alterations in radar scans
- Interference from buildings or mountains, which may cause shadows

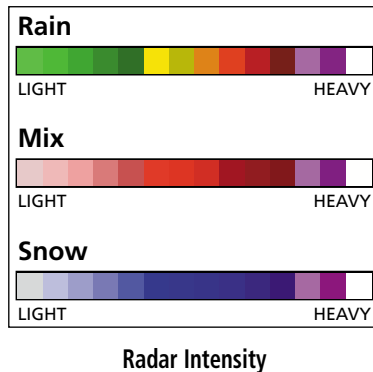
## RADAR LIMITATIONS







**NOTE:** *Weather Imagery (WX Imagery) maps can be pinch zoomed for a closer look.*

Certain limitations exist regarding radar displays. Some, but not all, are listed for the user's awareness:

- Surface precipitation type is estimated with shades of blue for snow and shades of pink for indeterminate types. The actual precipitation type aloft could vary.
- Radar base reflectivity is sampled at the minimum antenna elevation angle. An individual radar site cannot depict high altitude storms at close ranges, and has no information about storms directly over the site.
- Radar coverage in Canada is only available in the southern 1/4 of the country.





## Viewing Radar Information:

- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays** > **Radar** or (if applicable) tap  to expand **Radar** and tap the desired radar.
- 3) Tap  to animate the radar loop. Each frame of the radar loop is timestamped. The timestamp is just right of the play button.

### Or:

- 1) From any page, tap **Home** > **WX Imagery**.
- 2) Select **Radar** from the list.
- 3) Select the icon for the desired coverage area to display the National Weather Service static aviation weather map. Radar imagery is available for the Continental US, Alaska, Hawaii, and Mexico.

### Or:

- 1) From any page, tap **Home** > .
- 2) Tap the **Brief** Tab.
- 3) Tap **Refresh** if necessary to update the weather information.
- 4) Tap  to expand Radar Summaries, to view the applicable textual radar information for the route of flight.

## STORM CELL MOVEMENT

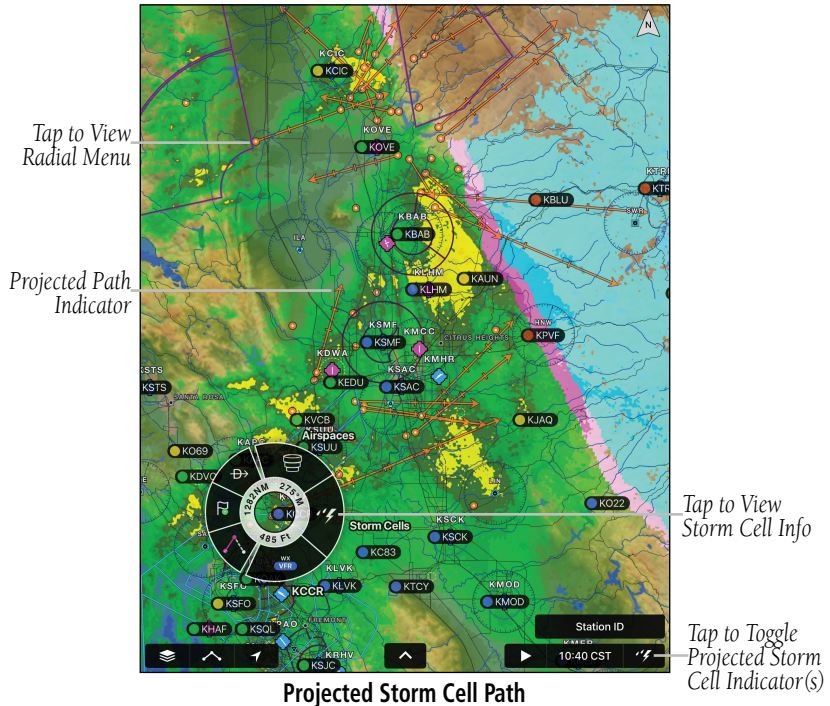
The radar display includes the projected path of a storm cell. The projected path is displayed by a circle and a line that extends from the storm cell to display a predicted path in 15, 30, 45, and 60 minute intervals. If hail or tornadic activity is present, the corresponding icon will appear. Additional information about cell activity (e.g. speed, direction etc.) can be obtained from the Radial Menu. Storm cell coverage is only available in the US with a US Standard or Worldwide Premium subscription.

## Activating Projected Storm Cell Path:

From the Map page, tap  while radar is animating.

Or:

From the Map page, tap the timestamp to step through the weather animation to view the weather data.





**Radial Menu - Storm Cell Movement**





< Back		Storm Cells	
Speed:	60kts	Hail:	0%
Direction:	67°	Tornadic:	Not Present
Echo Top:	---	Source:	Internet
Age:	19 min old		
Speed:	---	Hail:	0%
Direction:	---	Tornadic:	Not Present
Echo Top:	---	Source:	Internet
Age:	25 min old		
Speed:	39kts	Hail:	0%
Direction:	68°	Tornadic:	Not Present
Echo Top:	---	Source:	Internet

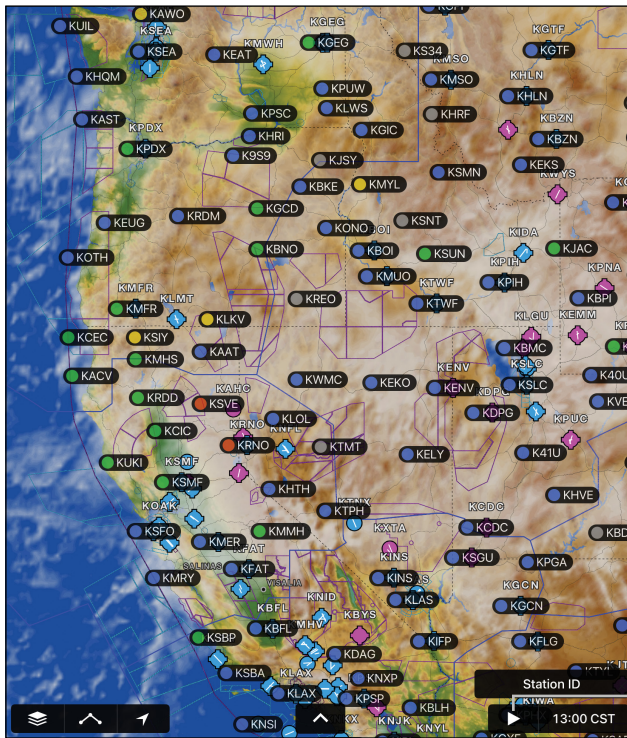
**Radial Menu - Storm Cell Info**





## Viewing Visible Satellite Information (VIS):

- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays**.
- 3) Tap  to expand **Clouds**.
- 4) Tap **VIS**.
- 5) Tap  to animate the satellite loop. Each frame of the satellite loop is timestamped. The timestamp is just right of the play button.




Visible Satellite

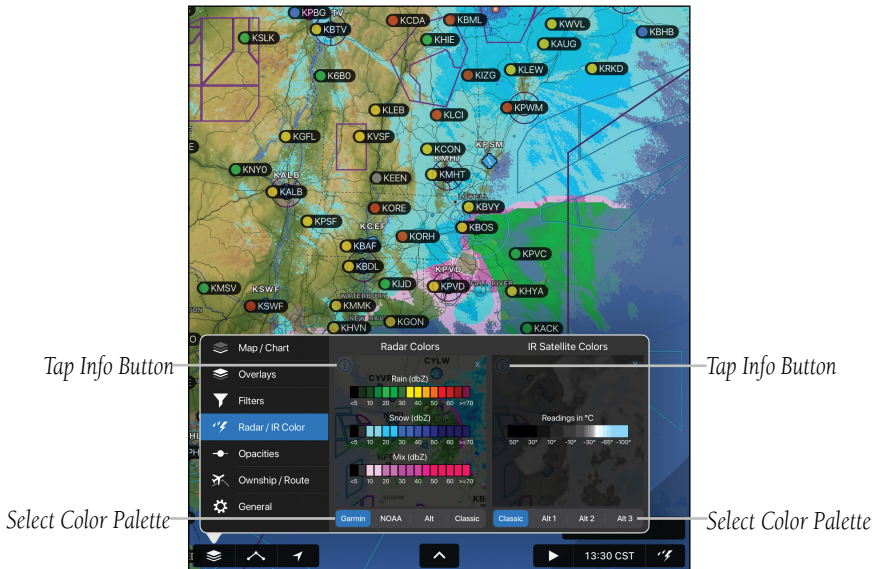
Tap to  
Animate

## RADAR AND INFRARED SATELLITE COLOR PALETTES

The radar and infrared color palettes can be configured, allowing selection of the color of the intensity of returns on the  page.

### Viewing radar and infrared satellite color palettes:

- 1) From any page, tap **Home** > .
- 2) Tap  > **Radar/IR Color**.
- 3) Tap  in top left of the Radar Colors and IR Satellite Colors boxes to view the color palettes options.
- 4) Tap **Garmin**, **NOAA**, **Alt**, or **Classic** for the desired Radar Colors.
- 5) Tap **Classic**, **Alt 1**, **Alt 2**, or **Alt 3** for the desired IR Satellite Colors.





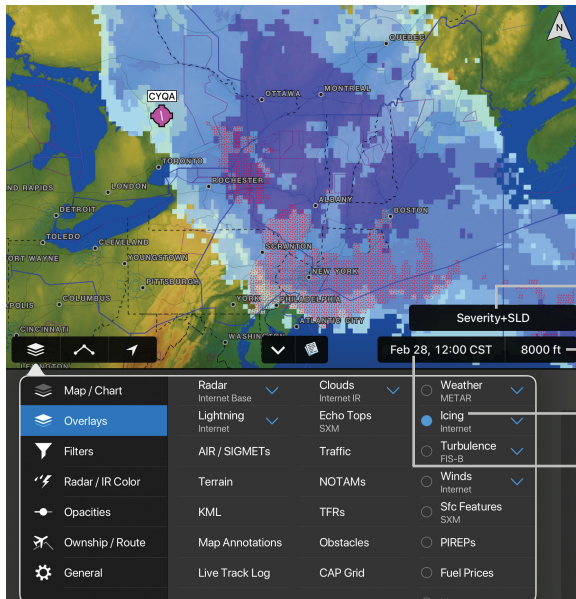
Radar and Infrared Satellite Color Palettes

## ICING FORECAST

Icing forecast is a graphical depiction of icing conditions in the United States and Canada. The icing forecast conditions are displayed by Severity+Supercooled Large Drops (SLD) or Probability. Icing coverage is only available in the US and southern Canada with a US Standard, Canada Premium or Worldwide Premium subscription.

### Viewing Icing Forecast data:

- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays** > **Icing**.
- 3) Select between **Severity+SLD** or **Probability**.
- 4) Adjust the time and altitude.



Tap to Adjust  
Type of Icing

Tap to Adjust  
Altitude

Tap to  
Display Icing




Tap to Adjust Time  
& View Forecast

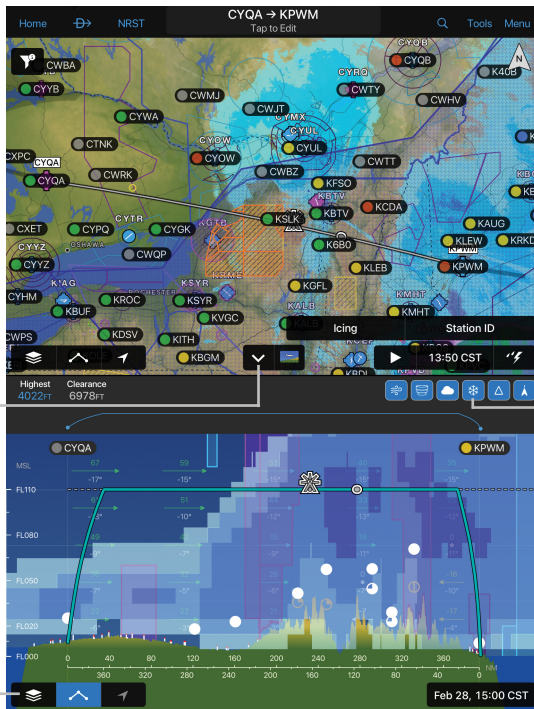
Icing Forecast

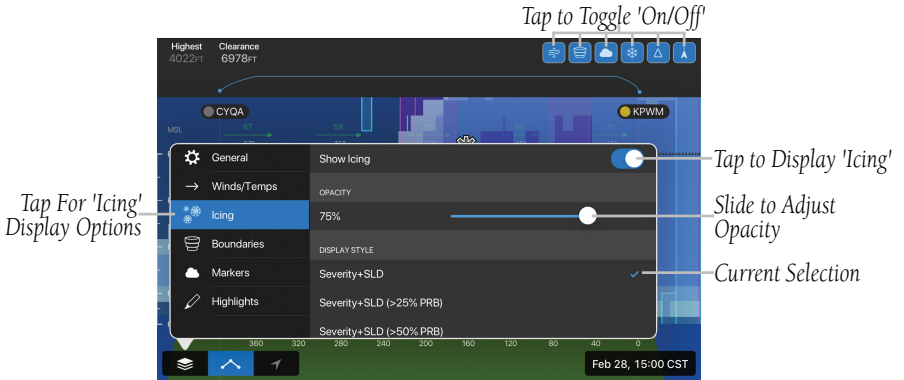
## FLIGHT PROFILE ICING DATA

Icing data may be displayed in the Flight Profile for a desired flight plan. Icing data may be viewed by icing probability or severity plus supercooled liquid drops (SLD).

### Viewing Flight Profile Icing data:

- 1) From any page, tap **Home** > .
- 2) From the split screen, tap  >  > **Icing**.
- 3) Select type of data to display.











Flight Profile - Icing Display Options

Icons	Display
	Winds & Temperature
	Airspaces & TFRs
	Clouds, Ceiling, PIREPs, & Traffic
	Icing
	Flight Plan
	Current Track

Profile View Icons


## WINDS ALOFT

Winds Aloft data shows the forecasted wind speed and direction at the selected altitudes. Altitudes can be displayed in 3,000-foot increments up to 42,000 feet MSL or up to 48,000 feet MSL with a Sirius XM connection. Winds Aloft are displayed using wind barbs, which indicate wind speed and direction, using flags at the end of the wind barb. A short wind flag is 5 knots, a long wind flag is 10 knots, and a filled triangle is 50 knots. Wind barbs are also color coded to indicate wind speed. The flagged end indicates the direction from which the wind is coming.


Icons	Description
	White indicates wind speeds of 20 kts or less.
	Cyan indicates wind speeds of 21-30 kts.
	Light yellow indicates wind speeds of 31-40 kts.
	Yellow indicates wind speeds of 41-50 kts.
	Orange indicates wind speeds of 51-80 kts.
	Red indicates wind speeds of 81 kts or greater.

Winds Aloft Barbs

### Viewing Winds Aloft Information:

- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays** > **Winds**.
- 3) Tap the Winds Aloft Time and use the slider to view current and forecast winds aloft.
- 4) Tap  and use the slider to select the desired altitude. Altitudes are displayed in 3,000-foot increments up to 42,000 feet MSL or up to 48,000 feet MSL with a Sirius XM connection.



**Or:**

- 1) From any page, tap **Home** > .
- 2) Select **Winds** from the list.
- 3) Select the icon for the desired coverage area to display the National Weather Service static aviation weather map. Winds Aloft maps are available for the Continental US from 00hr, up to 84hr forecast. Altitudes are available from the surface to 48,000 feet (with a Sirius XM connection) in 3,000-foot increments.

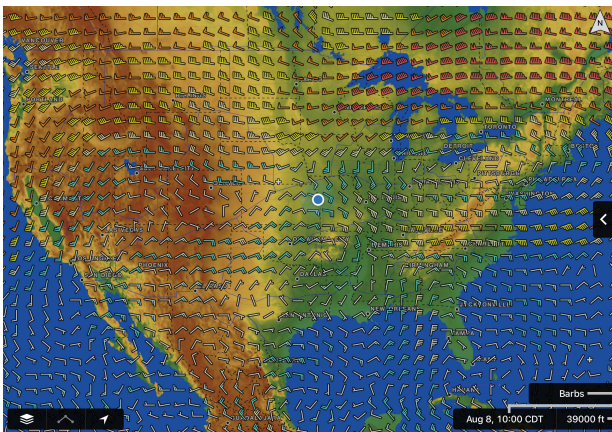
**Or:**

- 1) From any page, tap **Home** > .
- 2) Select the **Weather** Tab to view METAR, TAF, MOS, Winds Aloft, and Forecast Discussion for the selected airport.

**Or:**

- 1) From any page, tap **Home** > .
- 2) Tap the **Brief** Tab.
- 3) Tap **Refresh** if necessary to update the weather information.
- 4) Tap  to expand Winds Aloft, to view the winds for the route of flight.







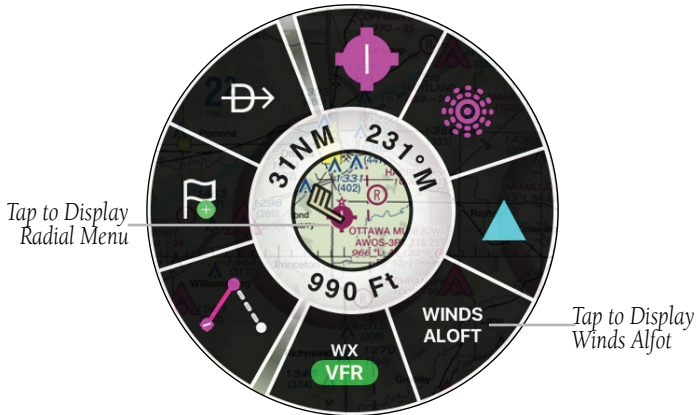
Winds Aloft

## WINDS AND TEMPERATURE ALOFT DATA FORECAST

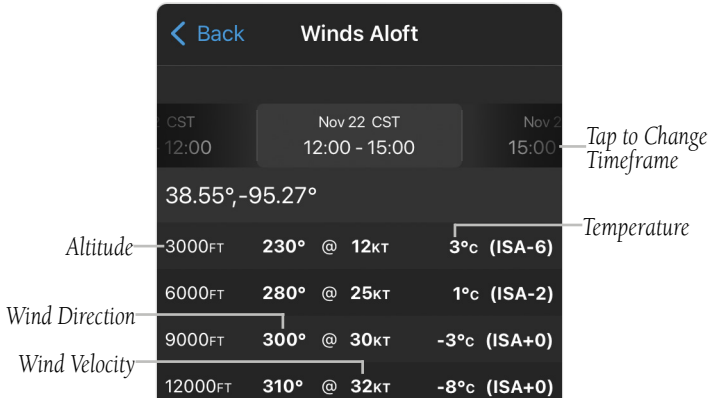
The winds and temperature aloft data forecast can be configured to be viewed from the Radial Menu.

### Viewing the Winds Aloft forecast data:

- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays** > **Winds**.
- 3) Tap near the desired Airport in the Map Pane until the Radial Menu appears.
- 4) Tap the **Winds Aloft** icon on the Radial Menu and scroll thru the forecast timeline to view the forecast data.



Radial Menu - Winds Aloft






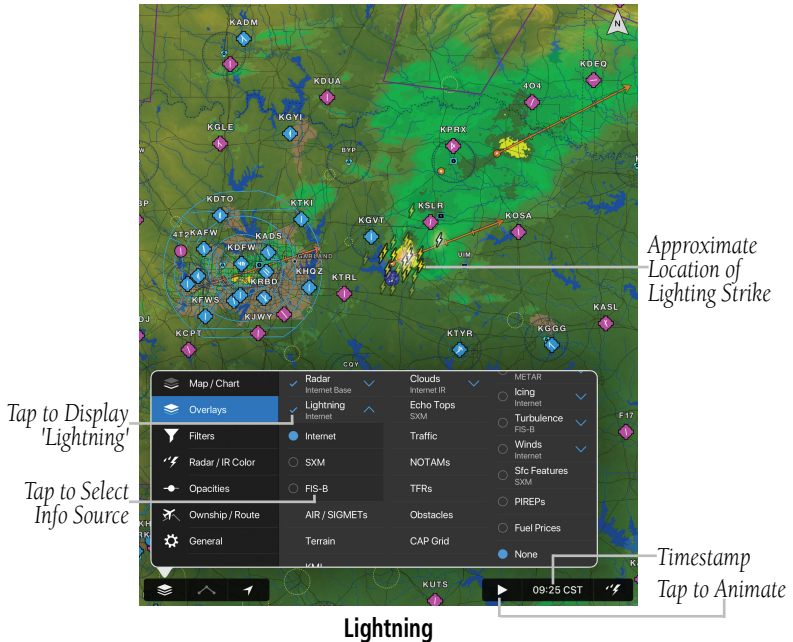
Winds & Temperature Aloft Forecast

# LIGHTNING

Lightning data shows the approximate location of cloud-to-ground lightning strikes. A strike icon represents a strike that has occurred within a two-kilometer region. The exact location of the lightning strike is not displayed.

## Viewing Lightning Information:

- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays** > **Lightning**.
- 3) Tap  to animate the Lightning loop. Each frame of the Lightning loop is timestamped. The timestamp is just right of the play button. Lightning information is available in one minute increments for the previous 45 minutes.




## METARS & TAFS

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METAR (METeorological Aerodrome Report) is an international code used for reporting weather observations. METARs are updated hourly or as needed. METARs typically contain information about the temperature, dew point, wind direction and speed, precipitation, cloud cover, cloud heights, visibility, and barometric pressure. They can also contain information on precipitation amounts, lightning, and other critical data.

TAF (Terminal Area Forecast) is the standard format for 24-hour or 30-hour forecasts. TAFs may contain some of the same code as METAR data. It typically forecasts significant weather changes, temporary changes, probable changes, and expected changes in weather conditions. METAR and TAF data are displayed as raw and/or decoded text.


### Viewing METAR and TAF Information:

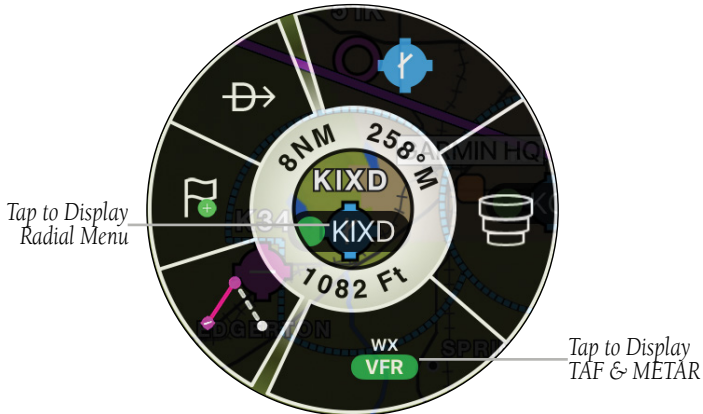
- 1) Create a Widget for METAR or TAF information on the Map Page. From any page, tap **Home** > .
- 2) Tap **Menu** > **Split Screen** > **Widgets**.
- 3) Tap 'Add Widget' Select METAR or TAF from the list of available Widgets. METAR or TAF information for the Departure Airports is displayed. To view METAR or TAF information along the route of flight drag the NavTrack. Colored push-pins show the location for the corresponding METAR or TAF report.



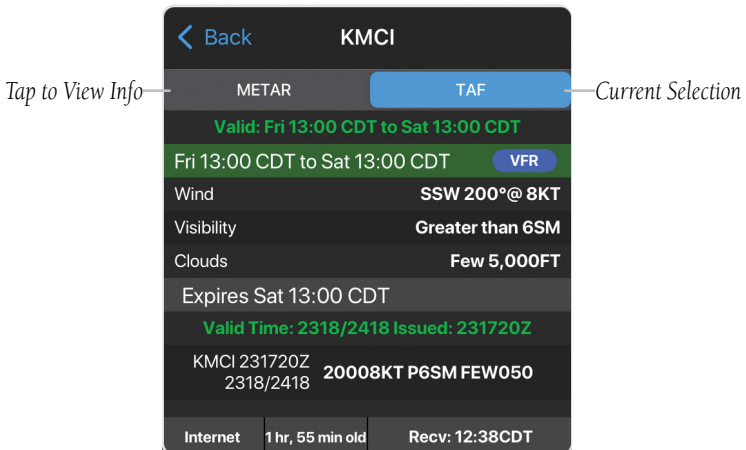
Map - Split Screen - METAR & TAF Widgets

Or:

- 1) From any page, tap **Home** > .
- 2) Using the Radial Menu, select the airspace desired, then **Wx** to view METAR or TAF for the selected airport.



Radial Menu - Weather




Radial Menu - Weather - TAF & METAR  
Garmin Pilot for iOS User's Guide

**Or:** On the Map page chose the 'Weather' overlay to view METAR or TAF derived information.

## MODEL OUTPUT STATISTICS (MOS)

Model Output Statistics (MOS) provides a forecast similar to a Terminal Aerodrome Forecast (TAF), that is updated hourly and extends out 72 hours into the future. The MOS forecast is available for over 2,000 airports in the United States.


### Viewing MOS:

- 1) Create a Widget for MOS information on the Map Page. From any page, tap **Home** > .
- 2) Tap **Menu** > **Split Screen** > **Widgets**.
- 3) Tap 'Add Widget', select MOS from the list of available Widgets.

### Or:

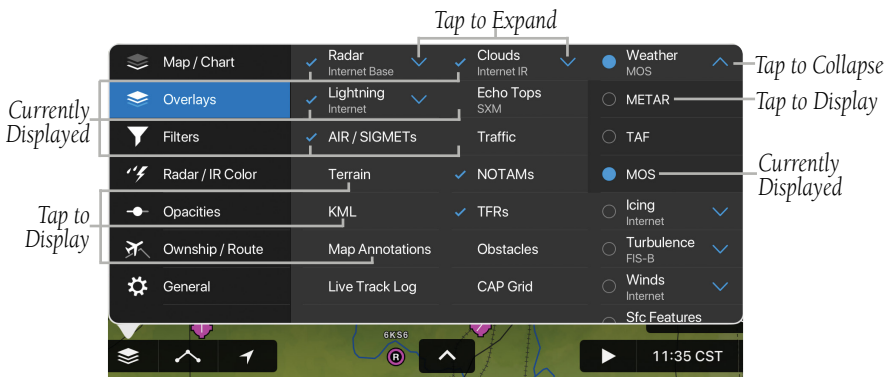
- 1) From any page, tap **Home** > .
- 2) Select the **Weather** Tab to view MOS for the selected airport.

### Or:

- 1) From any page, tap **Home** > .
- 2) Using the Radial Menu, select the airspace desired, then **Wx** to view MOS for the selected airport.

**Or:**

On the Map page choose the 'Weather' overlay to view MOS derived information.



Map - Overlays - Weather

## AREA FORECAST DISCUSSION


The Area Forecast Discussion (AFD) is a plain English narrative developed by meteorologists from the National Weather Service. It is designed to provide additional details that went into the preparation of the Terminal Aerodrome Forecast (TAF). The AFD contains both short and long-term analysis with an emphasis on aviation weather.

### Viewing Area Forecast Discussion:

- 1) Create a Widget for Area Forecast Discussion information on the Map Page. From any page, tap **Home** > .
- 2) Tap **Menu** > **Split Screen** > **Widgets**.
- 3) Tap 'Add Widget', select Forecast Discussion from the list of available Widgets.

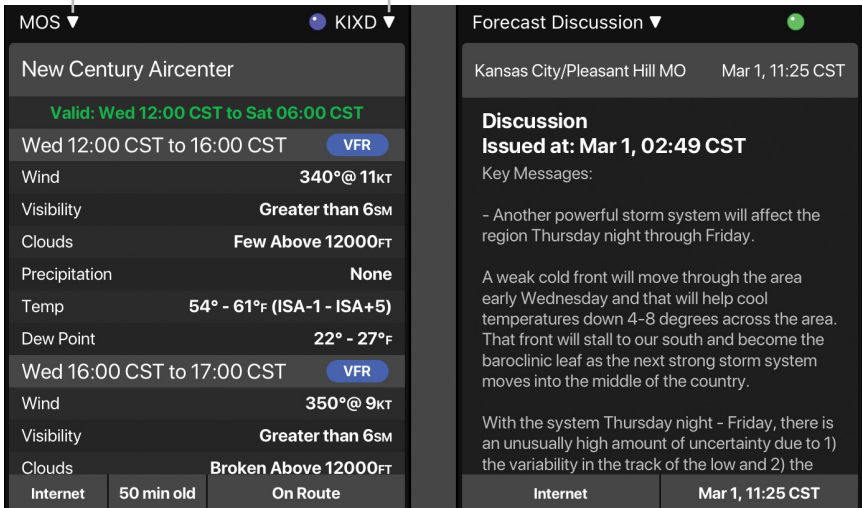


Or:

- 1) From any page, tap **Home** > .
- 2) Select the **Weather** Tab to view Area Forecast Discussion for the selected airport.

Tap to Select  
Weather Product

Tap to Select Airport




The screenshot shows two side-by-side widgets. The left widget is the MOS (Met Office Summary) for KIXD (New Century Aircenter). It displays weather data for two time periods: 12:00 CST to 16:00 CST and 16:00 CST to 17:00 CST. The right widget is the Forecast Discussion for Kansas City/Pleasant Hill MO, issued on Mar 1, 2025, at 02:49 CST. It contains key messages about a storm system affecting the region.

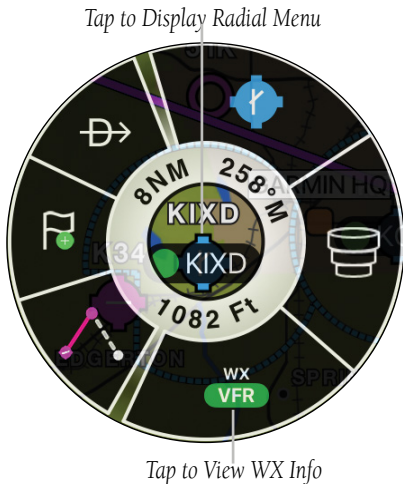
MOS		KIXD	
New Century Aircenter			
Valid: Wed 12:00 CST to Sat 06:00 CST			
Wed 12:00 CST to 16:00 CST		VFR	
Wind	340°@ 11kT		
Visibility	Greater than 6SM		
Clouds	Few Above 12000Ft		
Precipitation	None		
Temp	54° - 61°F (ISA-1 - ISA+5)		
Dew Point	22° - 27°F		
Wed 16:00 CST to 17:00 CST		VFR	
Wind	350°@ 9kT		
Visibility	Greater than 6SM		
Clouds	Broken Above 12000Ft		
Internet	50 min old	On Route	

Forecast Discussion		KIXD	
Kansas City/Pleasant Hill MO			
Mar 1, 11:25 CST			
<b>Discussion</b>			
<b>Issued at: Mar 1, 02:49 CST</b>			
Key Messages:			
- Another powerful storm system will affect the region Thursday night through Friday.			
A weak cold front will move through the area early Wednesday and that will help cool temperatures down 4-8 degrees across the area. That front will stall to our south and become the baroclinic leaf as the next strong storm system moves into the middle of the country.			
With the system Thursday night - Friday, there is an unusually high amount of uncertainty due to 1) the variability in the track of the low and 2) the			
Internet	Mar 1, 11:25 CST		

### MOS & Forecast Discussion Widgets

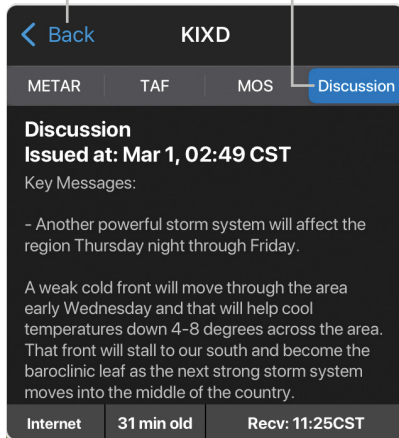
Or:

- 1) From any page, tap **Home** > .
- 2) Tap the screen to display the Radial Menu > **WX** > **Discussion**. Scroll down, if necessary, to view info.
- 3) Tap **Back** to return to the Radial Menu.



Tap to Return to Radial Menu

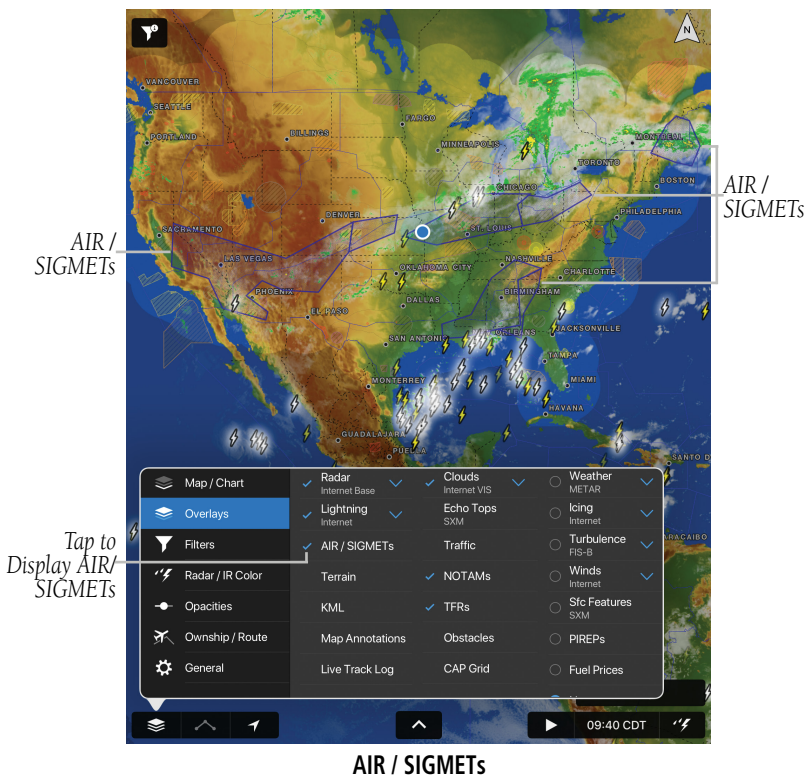
Tap to View Area Discussion



### Radial Menu - Forecast Discussion

## AIRMETS

An AIRMET (AIRmen’s METeorological Information) can be especially helpful for pilots of light aircraft that have limited flight capability or instrumentation. An AIRMET must affect or be forecast to affect an area of at least 3,000 square miles at any one time. AIRMETS are routinely issued for six-hour periods and are amended as necessary due to changing weather conditions. AIRMETS are displayed as green (IFR/mountain obscuration), orange (turbulence), or blue (icing) shaded areas on the map display.



## SIGMETS

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**NOTE:** *Weather Imagery (WX Imagery) maps can be pinch zoomed for a closer look.*

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A SIGMET (SIGnificant METeorological Information) advises of weather that is potentially hazardous to all aircraft. In the contiguous United States, the following items are covered: severe icing, severe or extreme turbulence, volcanic ash (red), dust storms, and sandstorms that lower visibility to less than three statute miles. A Convective SIGMET is issued for thunderstorms, isolated severe thunderstorms, embedded thunderstorms, hail at the surface, and tornadoes. A SIGMET is widespread and must affect or be forecast to affect an area of at least 3,000 square miles.

### Viewing AIRMETS and SIGMETS:

- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays** > **AIR/SIGMETS**.
- 3) Tap Map Overlay Control Button and select the desired type of AIRMET/ SIGMET (e.g., Convective, Icing, IFR/MTN, or Turbulence) to display.
- 4) Tap within the shaded area of an AIRMET/SIGMET to view the Radial Menu.
- 5) Tap **AIR SIG** in the Radial Menu, and select the desired AIRMET/SIGMET for details.
- 6) Tap **Back** to return to the Radial Menu.

### Or:

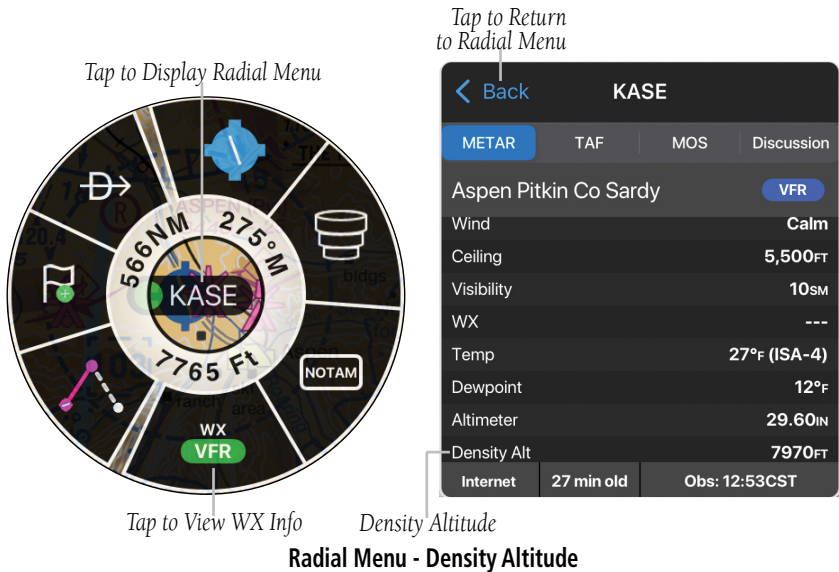
- 1) From any page, tap **Home** > .
- 2) Select **AIRMET/SIGMET** from the list.
- 3) Select the icon for the desired weather map.

Or:

- 1) From any page, tap **Home** > 
- 2) Tap the **Brief** Tab.
- 3) Tap **Refresh** if necessary to update the weather information.
- 4) Tap  to expand 'SIGMETs' or 'AIRMETs', to view the applicable AIRMETs and SIGMETs along the route of flight.

## DENSITY ALTITUDE

Density Altitude is displayed on the weather section of the Airport Information Page, and the weather icon on the Radial Menu.



Tap to Display Radial Menu

Tap to Return to Radial Menu

Tap to View WX Info

Density Altitude

**Radial Menu - Density Altitude**



KASE		
METAR	TAF	MOS
Aspen Pitkin Co Sardy <span>VFR</span>		
Wind	Calm	
Ceiling	5,500FT	
Visibility	10SM	
WX	---	
Temp	27°F (ISA-4)	
Dewpoint	12°F	
Altimeter	29.60IN	
Density Alt	7970FT	
Internet	27 min old	Obs: 12:53CST

## PIREPS

Pilot Weather Reports (PIREPs) provide timely weather information for a particular route of flight. When significant weather conditions are reported or forecast, Air Traffic Control (ATC) facilities are required to solicit PIREPs. A PIREP may contain unforecast adverse weather conditions, such as low in-flight visibility, icing conditions, wind shear, and turbulence. PIREPs are issued as either Routine (UA) or Urgent (UUA).

PIREPs are represented on the Garmin Pilot map by a small colored icon with a number. The color and style of the icon signify the type and severity of the reported weather conditions (see next table). The number shows the altitude of the reported conditions in flight level notation (e.g., hundreds of feet).





### Viewing PIREPs:

- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays** > **PIREPs**.
- 3) Tap the **PIREP** icon to display the Radial Menu.
- 4) Tap the **PIREP** icon in the Radial Menu, and select the desired PIREP for details.
- 5) Tap **Back** to return to the Radial Menu.

### Or:

- 1) From any page, tap **Home** > .
- 2) Tap the **Brief** Tab.
- 3) Tap **Refresh** if necessary to update the weather information.
- 4) Tap  to expand 'PIREPs', to view the applicable PIREPs for the route of flight.

### Filtering PIREPs:

- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays** > **PIREPs**.
- 3) Tap  to adjust the maximum age of displayed PIREPs.
- 4) Tap  to adjust the minimum and maximum altitudes of displayed PIREPs.

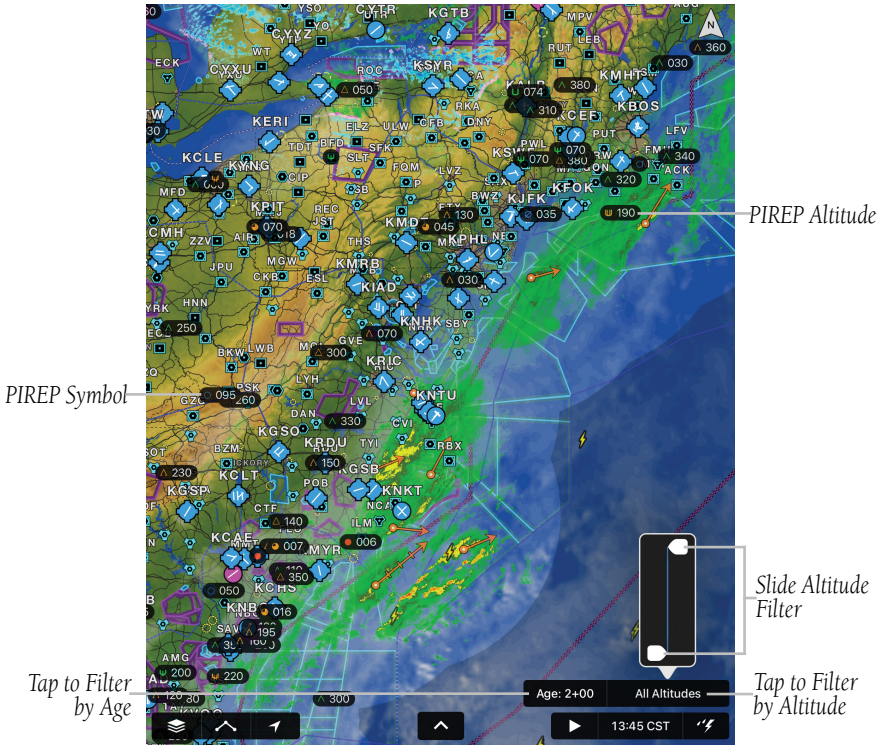


Tap to Return to Radial Menu

[< Back](#) PIREP - Icing FL100























Type	Routine	
Location	DEN 090°@20NM	
Near	KDEN- Denver Intl	
Time	Mar 1, 12:00 CST	
Altitude	FL100	
Aircraft	B737	
Temp	-16°c	
Icing	LGT RIME	
<b>UA /OV DEN090020/TM 1800/FL100/TP</b>		
Internet	1 hr, 25 min old	Observed 12:00 CST

Radial Menu - PIREP



PIREP Overlay Symbols




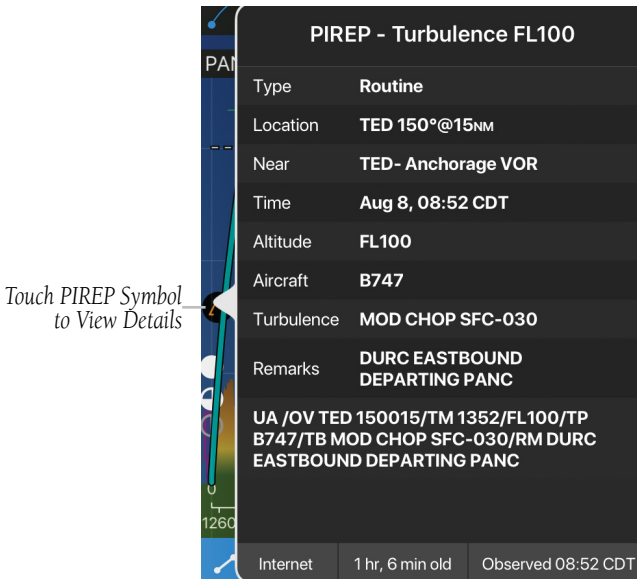
Icing PIREPs		Sky Condition PIREPs		Turbulence PIREPs	
	Negative Icing		Unknown Sky Condition		Turbulence Negligible or Smooth
	Trace Icing		Sky Clear		Light Turbulence
	Trace to Light Icing		Few Clouds		Light to Moderate Turbulence
	Light Icing		Scattered Clouds		Moderate Turbulence
	Light to Moderate Icing		Broken Clouds		Moderate to Severe Turbulence
	Moderate Icing		Overcast		Severe Turbulence
	Moderate to Severe Icing		IMC		Extreme Turbulence
	Severe Icing				

PIREP Icons

PIREPS may also be shown in the Flight Profile View, which provides a vertical cross section display of airspace, terrain, obstacles, TFRs and weather for a planned route.

### Viewing PIREPs in Flight Profile View:

- 1) With a flight plan selected, from any page, tap **Home** > .
- 2) Tap **Menu** > **Split Screen** to enable split screen mode.
- 3) Select the settings wheel in the Flight Profile View, then **Markers** > **Show PIREPs**.
- 4) Tap the PIREP symbol to view details.



PIREPs in Flight Profile View

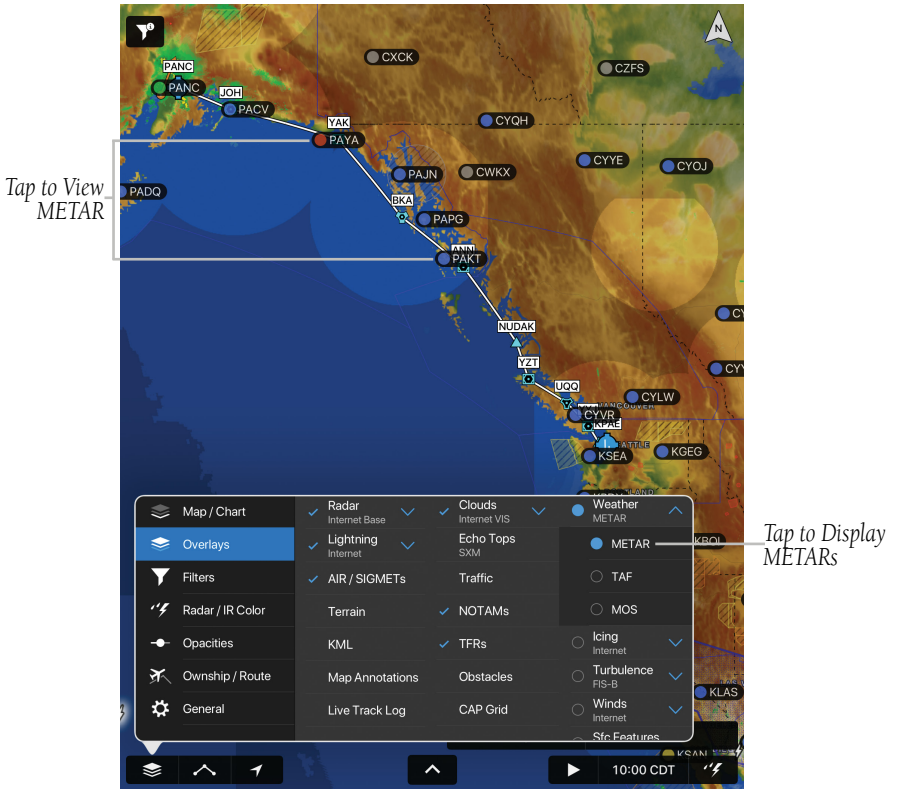
## WEATHER OVERLAY



**NOTE:** Flight conditions icons are different from all weather types.

The Weather Overlay provides weather icons that graphically display one of 14 parameters typically reported in a METAR. Each icon can be tapped to display the current METAR data in both raw and translated formats. Color coded icons provide a quick visual representation of the current weather conditions. The color coding applies to Station ID, Flight Conditions, Cloud Ceiling, Visibility, and Cloud Cover. Wind barbs and wind speed icons are slightly different where green is used to indicate winds of less than 10 kts, yellow is for winds greater than 10 kts and red is used for winds greater than 20 kts.

Colored icons are also used to show dew point spread where the spreads for 5°C or greater are green, spreads of 3°C or 4°C are yellow and spreads of 2°C or less are red.










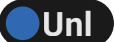














Weather Overlay

Classic	<span style="color: blue;">■</span> VFR	<span style="color: green;">■</span> MVFR	<span style="color: yellow;">■</span> IFR	<span style="color: red;">■</span> LIFR
Standard	<span style="color: green;">■</span> VFR	<span style="color: blue;">■</span> MVFR	<span style="color: orange;">■</span> IFR	<span style="color: purple;">■</span> LIFR



























Flight Condition Colors

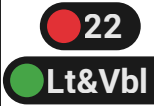
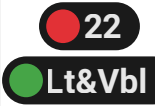


## Viewing and Configuring the Weather Overlay:

- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays** > **Weather**.
- 3) Tap the Overlay Control button.
- 4) Select the desired option from the list.
- 5) Tap any of the displayed Weather Icons to view the Raw and translated METAR information.

Layer	Classic Icons	Standard Icons	Description
Altimeter	 	 	Altimeter ("Hg) setting with the leading 2 and 3 numerals omitted. (e.g., 984 = 29.84 or 001 = 30.01)
Cloud Ceiling	 	 	Reported ceiling in hundreds of feet or 'Unl' if there is not a could layer that constitutes a ceiling.
Cloud Cover			Overcast
			Broken
			Scattered
			Few
			Clear
			Fog/Obscured

Layer	Classic Icons	Standard Icons	Description		
Dewpoint			Dew point °C		
Dewpoint Spread			Dew point spread in °C. Green = spread of 5° C. or greater. Yellow = spread of 3° or 4° C. Red = spread of 0° to 2° C.		
Flight Conditions		VFR ceiling	MVFR ceiling	IFR ceiling	LIFR ceiling
VFR visibility					
MVFR visibility					
IFR visibility					
LIFR visibility					
Flight Conditions Alternate Icons		VFR ceiling	MVFR ceiling	IFR ceiling	LIFR ceiling
VFR visibility					
MVFR visibility					
IFR visibility					
LIFR visibility					
Flight Conditions			Missing weather information. A split dot with brown indicates partial missing data.		

Layer	Classic Icons	Standard Icons	Description	
Observation Age			Observation Age in minutes	
Station ID			VFR conditions	
			MVFR conditions	
			IFR conditions	
			LIFR conditions	
Temperature			Temperature °C	
Visibility			Reported Visibility in statute miles.	
Wind Barbs			Short flag 5 knots	Green 5-9 knots
			Long flag 10 knots	Yellow 10-19 knots
			Solid triangle 50 knots	Red 20+ knots
			Calm	
			Light and variable winds	
Wind Gust			Reported wind gusts (kts).	

Layer	Classic Icons	Standard Icons	Description
Wind Speed			Reported steady wind speed (kts) Green: less than 10 knots. Yellow: less than 20 knots. Red: 20 knots or greater.
Wx Conditions			Dynamic black shaded box that displays two letter weather condition codes and qualifiers.

Weather Icons

## STATIC WEATHER IMAGERY PRODUCTS

Garmin Pilot provides access to National Weather Service, as well as some international, static aviation weather maps. These weather static maps display the following:


• PIREPs	• METARs
• AIRMETs	• TAFs
• SIGMETs	• Surface Analysis
• Winds Aloft	• Icing
• Radar	• Turbulence Forecasts
• IR Satellite	• Thunderstorm Forecasts

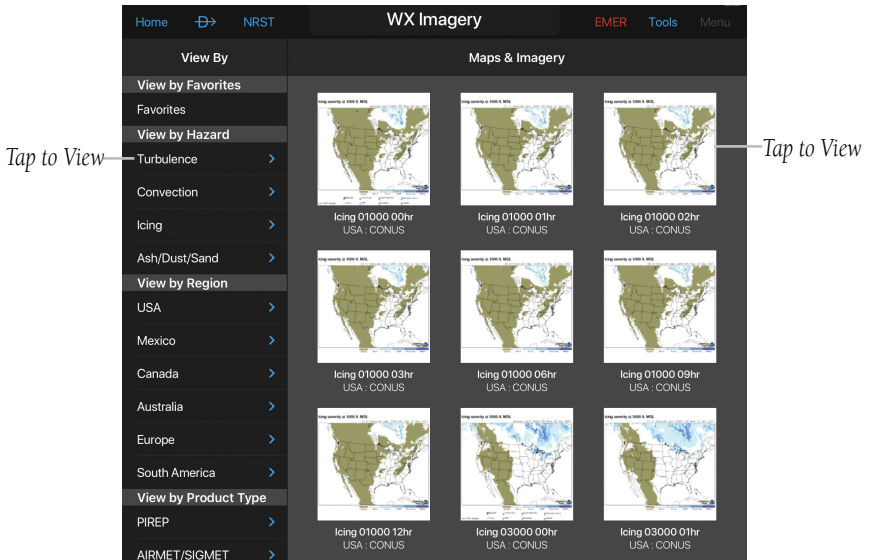
Static Weather Options

Garmin Pilot also includes some international weather imagery. Radar imagery is available for some parts of Mexico. Icing, Turbulence Forecast and Thunderstorm Forecast imagery is available for some parts of Europe. METAR, TAF, and Surface Analysis information is available for Canada.

All available weather images are displayed on the main WX Imagery page but can be sorted for quick access by selecting from the 'View by Hazard', 'View by Region', or 'View by Product Type' options.

### Viewing Weather Products:

- 1) From any page, touch **Home** > .
- 2) Select the desired hazard type, region, or product type from the list.
- 3) Select the icon for the desired weather map.



WX Imagery Page



## WEATHER WIDGETS

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Weather Widgets are viewable in the lower portion of the Map Page and Syn Vis by using the menu option to split the screen. Information to populate Widgets requires a data connection. Controls located at the upper left and right corners of each Widget open lists that allow you to select the Widget Type and to choose an airport to which the Widget is applicable.

The NavTrack located at the bottom of the display enables you to dynamically change the Widget location to view information related to points on or near the active flight plan. Tap-dragging the slider at the bottom of the widgets pane moves a cyan diamond (or a magenta airplane symbol when in-flight) along the route of flight. As the symbol approaches points along the active flight plan that provide weather, those points are associated with the Widget or selectable from the Widget location list indicated by an inverted white triangle adjacent to the airport identifier in the upper right corner of the Widget. Colored push-pins correspond to matching colored dots to the left of the airport identifier in the upper right corner of the Widget indicating the location of the information.

There are thirteen information products available for selection from the Widget Type list. The weather products available to be displayed as widgets are METAR, TAF, MOS, PIREPs, Winds Aloft, Forecast Discussion, and AIRMET/SIGMETs. The navigation information products are Airports, NOTAMs, Airspaces, Checklists, Navigation, and Logbook Tracks.

Only two (portrait) or one (landscape) widget(s) may be viewed at a time, but multiple widgets may be configured. Sliding a finger left or right over the widgets will bring more widgets or the 'Add Widget' tool into view. The source, product age and relative location will be displayed at the bottom of each widget.

## Adding a Weather Widget:

- 1) From any page, tap **Home** > .
- 2) Tap **Menu** > **Split Screen** > **Widgets**.
- 3) Drag the Widgets from right to left to bring the **Add Widget** icon into view.
- 4) Tap **Add Widget**.
- 5) Select a widget from the list.

*Tap to Change Widget Location*

*Widget Type*

*Tap to Select Widget Type*

*Weather Product Source, Age & Relative Location*

**Weather Widgets**

### Changing a Widget Type:

- 1) Tap the widget type as displayed in the upper left corner of the widget.
- 2) Select the desired widget type from the list.

### Removing a Weather Widget:

- 1) Tap the widget type as displayed in the upper left corner of the widget.
- 2) Scroll to the bottom of the list.
- 3) Select **Delete Widget** from the bottom of the list.

## WIDGET NAVTRACK

At the bottom of the widget pane is the NavTrack. Tap-dragging the slider moves a cyan diamond (or a magenta airplane symbol when in-flight) along the route of flight. Colored push-pins appear on the map to indicate locations near the airplane symbol that provide information corresponding to selected widgets. In some cases, there may be more than one location near the airplane symbol that provides information corresponding to a widget. To view weather information for nearby locations, it may be necessary to tap the inverted white triangle next to the widget location. This will open a list of nearby widget information sources.

### Changing the Location Associated with a Weather Widget:

- 1) Drag the NavTrack at the bottom of the widget pane until the diamond symbol corresponds with a colored push-pin on the map display that is near a desired location.
- 2) If the push-pin does not correspond to the desired location, tap the location indicator at the top right corner of the widget to search for nearby locations.
- 3) Select the desired location from the 'Nearby' list.



## TEMPORARY FLIGHT RESTRICTIONS (TFRS)

Temporary Flight Restrictions, or TFRs, temporarily restrict all aircraft from entering the selected airspace unless a waiver has been issued. TFRs are routinely issued for occurrences such as sporting events, dignitary visits, military depots and forest fires. TFRs are represented as an area outlined in dark blue (stadiums), Yellow (future TFR, that are not yet in effect), or Red (dignitary visits, hazards including forest fires, and National Security areas).





**NOTE:** Do not rely solely upon data link services to provide Temporary Flight Restriction TFR information. Always confirm TFR information through official sources such as Flight Service Stations or Air Traffic Control.



### Viewing Temporary Flight Restrictions (TFR):

- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays** > **TFRs**.
- 3) Tap within the shaded area of a TFR to view the Radial Menu.
- 4) Tap **TFR** in the Radial Menu, and select the desired TFR for details.
- 5) Tap **Back** to return to the Radial Menu.

**Or:**

- 1) From any page, tap **Home** > .
- 2) Tap the **Brief** Tab.
- 3) Tap **Refresh** if necessary to update the weather information.
- 4) Tap  to expand 'NOTAMs', to view the applicable NOTAMs for the route of flight.

### Displaying Stadium Temporary Flight Restrictions (TFR):


- 1) From any page, tap **Home** > .
- 2) Tap  > **General**.
- 3) Tap **Show All Stadium TFRs** button to On.

## AIRSPACE ALERTS

The Airspace Alerting feature notifies the pilot prior to entering airspaces. Airspace Alerts may be configured to choose the airspaces for which to receive alerts.

Airspace Alerting may also be used for preflight planning by selecting **Show Airspaces On FPL** from the Menu on the Map page or selecting **Show airspaces while preflight planning** from the Airspace Alerts section of the Alerts tab.

### Enabling Airspace Alerts:

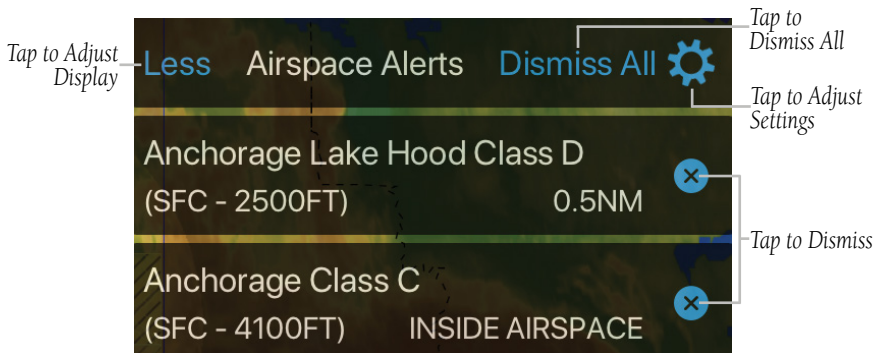
- 1) From any page, tap **Home** >  > **Alerts** > **Airspace Alerts**.
- 2) Tap **Airspace Alerts** to choose the airspaces for which to receive alerts.

### Enabling Show Airspaces On FPL:

- 1) From the Map page, tap **Menu** > **Show Airspaces On FPL**.

Or:

- 1) From any page, tap **Home** >  > **Alerts** > **Airspace Alerts**.
- 2) Tap **Show airspaces while preflight planning** button to On.



Airspace Alerts

## FILE

With Garmin Pilot, users can easily enter a flight plan and interactively edit it on the map. Pre-loaded forms make it quick to save and reuse data for frequently flown flight plans. And when the flight plan is ready, Garmin Pilot makes it simple to file, amend or close the flight plan via FltPlan.com.



## TRIP PLANNING



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**NOTE:** A data connection (e.g., Wi-Fi or cellular) is required to receive preflight weather briefings, file, amend, cancel or close flight plans from Garmin Pilot.

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
The Trip Planning Page manages all of the trip planning details for each trip. When new trips are created, you can Save, Activate, and File when necessary. Flight plans created on the Flight Plan Page do not become the active trip until you Activate the Flight Plan. To File the Flight Plan, press File and Garmin Pilot synchronizes with FltPlan.com. Trips created on the Trip Planning Page will default to a Direct To route from departure to destination. Add additional waypoints in the Routing field by entering fixes, Nav Aids, airways, departures, arrivals, airports or tap **View Routes** to view a list of ATC **Preferred Routes** or **Optimized Routes**. ATC routing is sorted by User Recent, ATC Recent, and ATC Other.

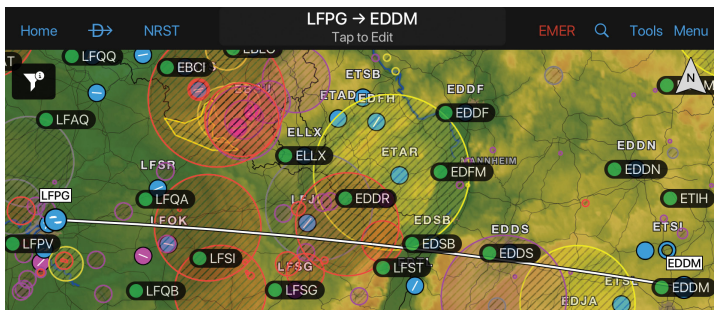
Complete the trip plan by entering pilot information, aircraft information, departure/arrival times, altitude, airspeed, etc.. Some of the data will be auto-filled based on data from your Garmin Pilot account. Once all mandatory fields have been completed, Garmin Pilot creates a trip summary.

If Garmin Pilot has been linked to a FltPlan.com account, and syncs successfully, trips are ready to file. Trips can be cloned and/or deleted on the Trip Planning Page. Cloning a trip copies the current trip. Any changes made after the clone is created are not copied. Trips can also be deleted by swiping left on the trip title in the Trips List. The selected trip (highlighted in blue) can be deleted. Cloned trips are saved to the Trips List. All trip data is cloned including pilot information, aircraft information, route of flight and all other associated data. Trips that have been cloned are available for use at a future date. Activate a cloned trip, change the date and all applicable data, refresh the briefing, and the trip is ready to be filed.

## EUROPEAN IFR/VFR AUTOROUTING AND FILING


Garmin Pilot provides IFR and VFR autorouting and flight plan filing to assist in navigating in complex European airspace. The autorouting feature calculates optimal routes for a specific date, time, departure airport and destination airport, then validates them with Eurocontrol. The prevalidated routes are displayed, along with a map, for easy interpretation. Choose from one of the route proposals, make a selection, and file the flight plan.

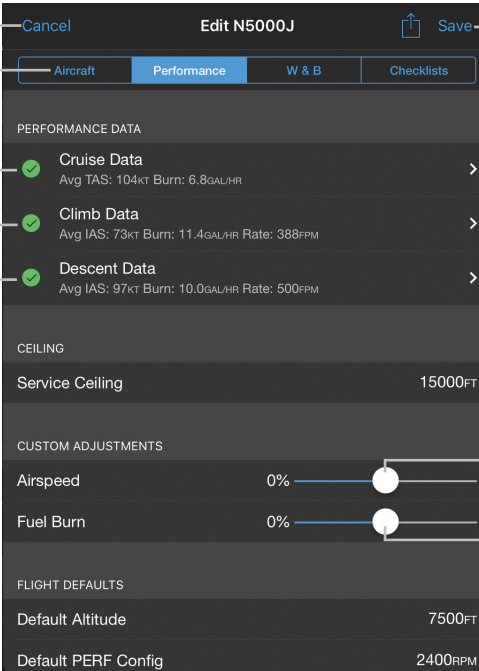
The European IFR/VFR Autorouting and Filing is accessible in  when subscribed to Garmin Pilot Europe Premium.



European Route

## European IFR/VFR Autorouting setup:

- 1) From any page, tap **Home** > .
- 2) Tap the **Aircraft** tab and select an aircraft.
- 3) Enter the appropriate information for the selected aircraft.
- 4) Tap the **Performance** tab and enter the appropriate information for the selected aircraft. Select at least two data points for climb, descent, and cruise, then tap **Save**.



Annotations:


- Tap to Close (Cancel)
- Tap to Save (Save)
- Tap to Change (Aircraft, Performance, W & B, Checklists)
- Data Successfully Entered (Cruise Data, Climb Data, Descent Data)
- Tap to View/Change Data (Cruise Data, Climb Data, Descent Data)
- Slide to Adjust (Airspeed, Fuel Burn)

Section	Item	Value
PERFORMANCE DATA	Cruise Data	Avg TAS: 104KT Burn: 6.8GAL/HR
	Climb Data	Avg IAS: 73KT Burn: 11.4GAL/HR Rate: 388FPM
	Descent Data	Avg IAS: 97KT Burn: 10.0GAL/HR Rate: 500FPM
CEILING	Service Ceiling	15000FT
CUSTOM ADJUSTMENTS	Airspeed	0%
	Fuel Burn	0%
FLIGHT DEFAULTS	Default Altitude	7500FT
	Default PERF Config	2400RPM

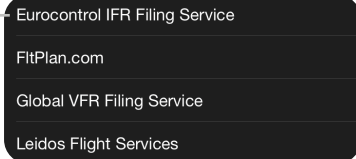
### European Autorouting Setup - Aircraft



## Selecting Filing Service:


- 1) From the  page, tap **Add Trip**.
- 2) Select preferred Filing Service to begin a **New Trip**.

*Tap to Select  
Filing Service*



### Selecting Filing Service - Eurocontrol

## European Trip Planning & Autorouting:

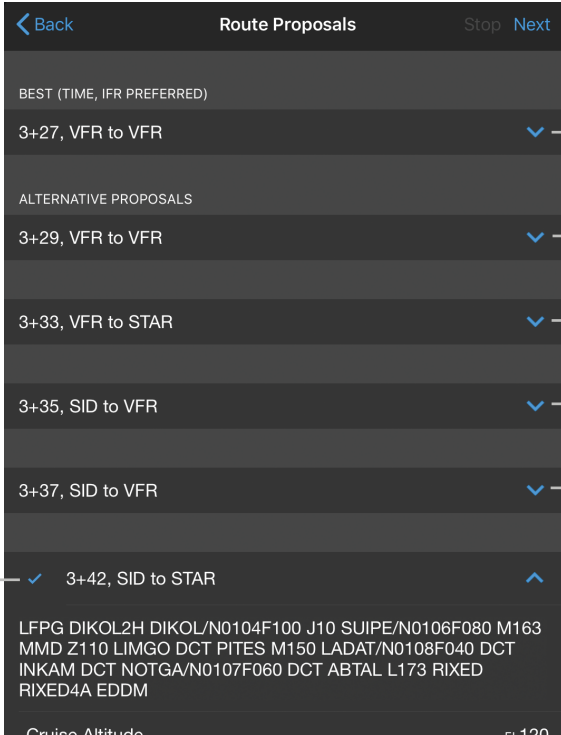
- 1) From any page, tap **Home** > .
- 2) Tap the desired trip in the Trips List or tap **Add Trip** and select preferred Filing Service.
- 3) Enter Departure Date/Time, Departure airport, and Destination airport.
- 4) Tap **Autoroute**.
- 5) Adjust 'Autorouting Options' as necessary, then tap **Autoroute**.

Or:

- 6) Tap **Enter Manual IFR Route** and input route manually (if needed). When finished, tap **Confirm**.

The screenshot shows the 'European Autorouting Options' screen. At the top, there are three buttons: 'Cancel' (left), 'Autorouting Options' (center), and 'Autoroute' (right). Below this is a section titled 'GENERAL DATA' with the following fields: 'Departure Aerodrome' (LFPG), 'Departure Time' (Jul 29 23:05 GMT+2), 'Destination Aerodrome' (EDDM), and 'Aircraft' (N5000J). The next section is 'MANUAL ROUTING', which contains the text: 'If you already know the route you would like to use, and would like to enter that manually for an IFR route, you may do so here.' Below this text is a button labeled 'Enter Manual IFR Route'. The final section is 'ADVANCED', which includes: 'Optimize For' (Shortest Time), 'Flight Level Range' (FL040 FL120), 'Flight Rules' (All (IFR preferred)), 'Avoid Countries' (None), 'Prefer Standard Routes (UK, Ireland)' (toggle ON), 'Generally Discourage DCTs' (toggle OFF), and 'Avoid Open Waters' (toggle OFF). At the bottom of the screen is a link for 'Manage Fly-By Waypoints'. Annotations with arrows point to various elements: 'Tap to Close' points to 'Cancel'; 'Tap to Proceed' points to 'Autoroute'; 'Tap to Manually Enter Route' points to 'Enter Manual IFR Route'; 'Tap to Modify' points to the 'Shortest Time', 'FL040 FL120', and 'All (IFR preferred)' options; and 'Tap to Toggle 'ON/OFF'' points to the three toggle switches.

- 7) The 'Route Proposals' window begins searching for routes and populates a list within the window.



Selected Route & Details

Tap to Expand & View Route Details

European Autorouting Options - List

- 8) Select the desired route from the 'Route Proposals' list to add the route to the trip, then tap **Next**.

Route Proposals

3+27, VFR to VFR

LFPG ASGUN/N0107F070 IFR DCT CTL M163 SUIPE/N0106F080 M163 MMD Z110 LIMGO DCT PITES M150 LADAT/N0108F040 DCT INKAM DCT NOTGA/N0107F060 DCT ABTAL L173 RIXED/N0108F050 Y161 DODIL/N0108F040 Y161 REDVO DCT ROKIL VFR EDDM

Cruise Altitude FL060

Fuel Required 25.7 GAL

*Fuel calculations are based on Filing Service performance modeling and, once accepted, may differ from values displayed in Garmin Pilot.*

Route Distance 389NM  
6% Overhead (21.0 NM)

Route Flight Rules ZFR

ETE 3+27

Map showing proposed route from LFPG to EDDM via CTL, SUIPE, and MMD.

European Route Proposals - Detailed

- 9) View/edit the 'Route Summary', then tap **Confirm**. Garmin Pilot will sync the route with Eurocontrol, then 'Validate' your route.
- 10) Once the route is 'Validated', tap **File**.

*Route Validated*

*Selected Trip*

*Tap to Activate Flight Plan*



*Tap to File Flight Plan*

*Tap to Modify*

*Tap to Generate Routing*

**European Autoroute - Ready to File**

## European VFR Flight Plan Briefing Pack:

- 1) From any page, tap **Home** > .
- 2) Tap the desired trip in the Trips List or tap **Add Trip** and select preferred Filing Service.
- 3) Select the desired Flight Rules (e.g. VFR).
- 4) Select the desired Aircraft.
- 5) Enter the necessary Flight Plan & Flight Info details.
- 6) Tap the **Brief** button in the header of the Trip Planning page.
- 7) Tap  to view the 'Share' action menu.
- 8) Tap **Markup** to annotate the Briefing, if desired.
- 9) Tap the preferred file sharing method (e.g. AirDrop, Mail, etc.).

The screenshot displays the 'Trip Planning' interface. On the left, a list of trips is shown, with 'EDDM -> EDNY (1)' selected. The main area shows flight details: 'EDDM -> EDNY', 'Distance: 100.4NM', 'ETE: 1+03 (8kt Headwind - Internet)', and 'Required Fuel: 10.10AL'. A 'Brief' button is highlighted in the top right. Below this, a 'leidos' flight service briefing pack is visible, including a 'Flight Service' header, 'Overview', and 'Flight Plan Summary' section. Annotations with arrows point to the 'Brief' button, the trip list, and the share icon.

Trip Planning - European VFR Briefing

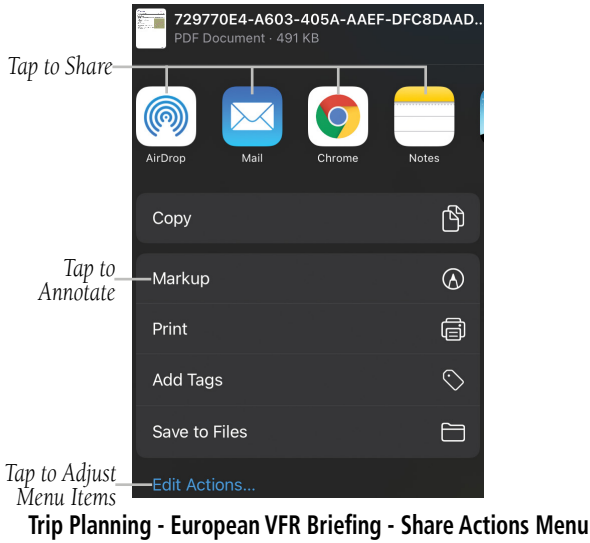


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**European VFR Briefing - Table of Contents**

## PREPARING TO FILE



**NOTE:** Prior to filing the flight plan, ensure that all of the information entered on the Trip Planning Page is correct including the route of flight.


Garmin Pilot provides a quick and easy method to file, close, amend or cancel flight plans. When Garmin Pilot is connected to a Fltplan.com account, Garmin Pilot will transmit the following:

• Route of Flight	• Estimated Time of Departure (ETD)
• Pilot Information	• Altitude
• Aircraft Information	• Airspeed
• Type of Flight Plan (IFR/VFR)	• Alternate
• Number of persons onboard	• Call Sign
• Fuel onboard	• Second in Command (SIC) if applicable
• Date	• Flight Plan Remarks

### Flight Plan Information

The flight plan details are then delivered to the responsible Flight Service Station (FSS) 1 hour prior to the ETD. The ETD must be at least 30 minutes in the future or the flight plan will not be transmitted. To file a flight plan with a departure time less than 30 minutes in the future you must call the FSS.

### Creating an Active Flight Plan:

- 1) From any page, tap **Home** > ." data-bbox="98 784 520 815"/>
- 2) Tap within the Routing field to activate the cursor.
- 3) Use the keyboard to insert waypoints. Separate each waypoint with a space.



Or:

- 1) Tap the **Add Enroute Waypoint** button.
- 2) Use the keyboard to input the waypoint identifier and tap the **return** key.

Or: Use the keyboard to begin entering the waypoint identifier and tap the desired waypoint from the FastFind List.

- 3) Tap the **Add Enroute Waypoint** button to add each additional waypoint.







Creating Active Flight Plan

**Or:**

- 1) Use one of the above methods to enter a departure point.
- 2) In the Map View area, tap and hold any location to display the rubber-band and drag the rubber-band to the desired map location.
- 3) Once the rubber-band is on or near the desired location, release the rubber-band. A list of nearby waypoints is displayed.
- 4) Select the desired waypoint from the list. Or, create a User Waypoint.
- 5) Repeat steps 1-4 to add additional waypoints.

**Completing and Filing the Active Flight Plan:**

- 1) From any page, tap **Home** > .
- 2) Create a flight plan using one of the aforementioned methods.
- 3) Tap the **Aircraft, Departure Time** and **Altitude Fields** to edit.
- 4) Tap the **Route, PERF, NavLog,** or **Warnings** Tab view and edit.
- 5) Tap  to share your flight plan.
- 6) Tap  to reverse your flight plan route.
- 7) Tap  to view **Route Data** for your flight plan.
- 8) Tap **Create Trip** to load the flight plan template.
- 9) Tap **Save** to store current flight plan.
- 10) Tap **File** to file the Trip with Fltplan.com.
- 11) Tap **Activate** to view Flight Plan.


## PLANNING A TRIP

---


### Creating a New Trip:

- 1) From any page, tap **Home** > .
- 2) Tap **Add Trip**. A new entry will be added to the list on the left.

### Entering Pilot Information:

- 1) From any page, tap **Home** > .
- 2) Tap the desired trip in the Trips List.
- 3) Tap the Pilot In Command field.
- 4) If the desired PIC information has already been entered, select the desired PIC from the Pilot Information list.


### Or:

- a) Tap  **Add Pilot Profile...**
- b) Enter the Required Contact Information by tapping each field. A keyboard will appear to enable typing in each selected field.
- c) Enter the pilot's Personal Minimums by tapping each field if desired. A keyboard will appear to enable typing in each selected field.
- d) Tap **Save Pilot**.

The screenshot shows the Garmin Trip Planning app interface. At the top, there's a navigation bar with 'Home', 'NRST', and 'Trip Planning' (highlighted in red). Below this, there are buttons for 'Add Trip' and 'Edit'. The main content area is divided into two panels. The left panel, titled 'Trips List', shows a list of flight plans with details like route (e.g., KHUT to KSEZ), date, time, and fuel requirements. The right panel shows the details for the selected flight plan (KHUT to KSEZ), including distance (716.5NM), required fuel (85.6GAL), and ETE (6+49). Below this, there are sections for 'NOTES', 'GENERAL' (Pilot, Copilot, Flight Rules, Aircraft, Call Sign), and 'FLIGHT PLAN' (Departure, Departure Time, Destination, Routing). At the bottom, there are icons for 'Form', 'NavLog', 'Brief', and 'W & B'. Callouts with arrows point to various elements: 'Tap to Add Trip' points to the 'Add Trip' button; 'Tap to Add Notes Flight Plan Selected' points to the 'KHUT to KSEZ' entry in the list; 'Trips List' points to the list of flight plans; 'Tap to Activate Flight Plan' points to the 'Activate' button; 'Tap to File Flight Plan' points to the 'File' button; 'Tap to View Route Data' points to the 'File' button; 'Tap to Modify General Info' points to the 'GENERAL' section; 'Tap to Load Current & Stored Routes' points to the 'Load Flight Plan' button; 'Tap to Modify' points to the 'Departure' and 'Destination' fields; 'Tap to Edit Route' points to the 'Routing' field; 'Tap to View Routes' points to the 'View Routes' button; and 'Tap to Edit Route on Map' points to the 'Edit Routing' button.


### Trip Planning - Trips List

## Updating Filing Method:

- 1) From any page, tap **Home** > 
- 2) Tap the desired trip in the Trips List.
- 3) Tap the **Filing Information** field.
- 4) Change the Filing Service as desired.
- 5) Change the Form Type depending on the organization.




## Entering the flight plan Flight Rules:


- 1) From any page, tap **Home** > 
- 2) Tap the desired trip in the Trips List.
- 3) Tap to select IFR, VFR, YFR, ZFR, or DC SFRA from the **Flight Rules** menu.



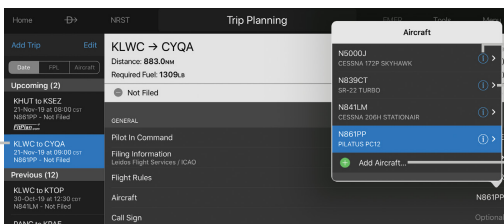
## Entering Aircraft Information:

- 1) From any page, tap **Home** > .
- 2) Tap the desired trip in the Trips List.
- 3) Tap the Aircraft field.
- 4) If the desired Aircraft information has already been entered, select the desired Aircraft from the Aircraft list.

Or:

- a) Tap  **Add Aircraft...**
- b) Enter the Required Aircraft Information by tapping each field and using the keyboard.
- c) Enter optional performance data.
- d) Tap **Save Aircraft**.
- e) Tap the desired Aircraft from the list.

Tap Desired Trip



Tap to Edit  
Tap to Select  
Aircraft


Tap to Add  
Tap For Options

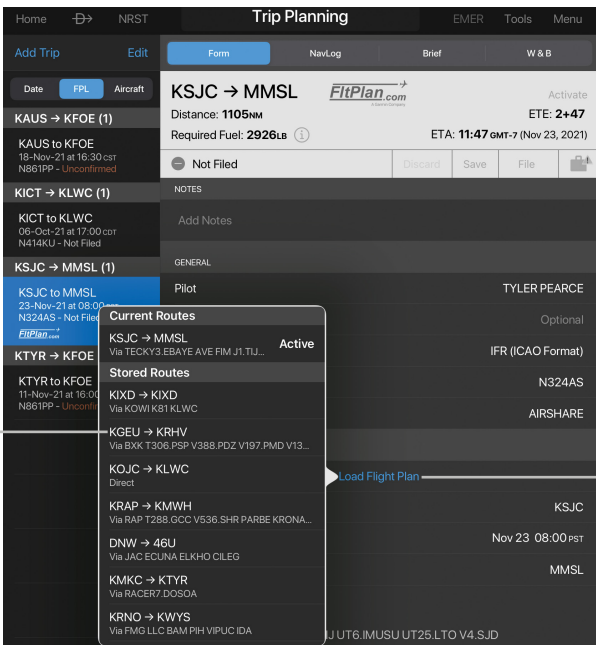
Selecting Aircraft



**NOTE:** Performance data is used to create a NavLog and to calculate trip parameters.

## Loading a Flight Plan:

- 1) From any page, tap **Home** > .
- 2) Tap the desired trip in the Trips List.
- 3) Tap the **Load Flight Plan** button to import the Active FPL, or any other Stored Flight Plans. Importing the Active FPL will fill the Departure, Routing, and Destination fields.



Home → NRST **Trip Planning** EMER Tools Menu

Add Trip Edit Form NavLog Brief W & B

Date FPL Aircraft **KSJC → MMSL** *FitPlan.com* Activate  
 Distance: 1105NM ETE: 2+47  
 Required Fuel: 2926Lb ETA: 11:47 GMT-7 (Nov 23, 2021)

KAUS → KFOE (1)  
 KAUS to KFOE  
 18-Nov-21 at 16:30 CST  
 N861PP - Unconfirmed

KICT → KLWC (1)  
 KICT to KLWC  
 06-Oct-21 at 17:00 CST  
 N414KU - Not Filed

KSJC → MMSL (1)  
 KSJC to MMSL  
 23-Nov-21 at 08:00  
 N324AS - Not Filed  
*FitPlan.com*

KTyr → KFOE  
 KTYR to KFOE  
 11-Nov-21 at 16:00  
 N861PP - Unconfirmed

Current Routes  
**KSJC → MMSL** Active  
 Via TECKY3.EBAYE.AVE.FIM.J1.TJ...

Stored Routes  
 KIXD → KIXD  
 Via KOWI.K81.KLWC

KGEU → KRHV  
 Via BXK.T306.PSP.V388.PDZ.V197.PMD.V13...

KOJC → KLWC  
 Direct

KRAP → KMWH  
 Via RAP.T288.GCC.V836.SHR.PARBE.KRONA...

DNW → 46U  
 Via JAC.ECUNA.ELKHO.CILEG

KMKC → KTYR  
 Via RACER7.DOSQA

KRNO → KWYS  
 Via FMG.LLC.BAM.PIH.VIPUC.IDA

TYLER PEARCE  
 Optional  
 IFR (ICAO Format)  
 N324AS  
 AIRSHARE  
 KSJC  
 Nov 23 08:00 PST  
 MMSL  
 J.UT6.IMUSU.UT25.LTO.V4.SJD

Scroll List & Tap Desired Route


Tap to View Routes

### Trip Planning - Load Flight Plan

## Choosing a Planned ATC Route:




**NOTE:** These Preferred and Optimized Routes are available for *FltPlan.com* routes.

- 1) From any page, tap **Home** > 
- 2) Tap the desired trip in the Trips List.
- 3) Enter Departure Time, Departure Airport and Destination Airport.
- 4) Tap **View Routes** > **Preferred Routes** or **Optimized Routes** to sort the list.
- 5) Tap the desired route from the list to add the route to the trip.


Viewing Planned ATC Routing



## Entering Cruising Altitude:

- 1) From any page, tap **Home** > 
- 2) Tap the desired trip in the Trips List.
- 3) Tap the Cruising Altitude field for available altitudes for the trip. Values are derived from selected aircraft's performance and weather reports.

Or:

- 1) From any page, tap **Home** > 
- 2) Tap the Altitude field for available altitudes for the trip. Values are derived from selected aircraft's performance and weather reports.

*Tap Desired Trip*

*Tap to Filter Altitude*

*Current Selection*


*Tap to Select Altitude*

*Tap to Modify*


	East	West	All	
Altitude	Fuel	TAS	Wind	ETE
FL190	848Lb (+15)	265kt	16kt Head	1+46 (-02)
FL200	841Lb (+8)	265kt	17kt Head	1+47 (-01)
FL210	833Lb -	265kt	18kt Head	1+48 -
FL220	825Lb (-8)	265kt	19kt Head	1+48 (+00)
FL230	815Lb (-18)	265kt	19kt Head	1+49 (+01)
FL240	806Lb (-27)	265kt	19kt Head	1+49 (+01)
FL250	797Lb (-36)	265kt	20kt Head	1+50 (+02)

Select Cruising Altitude & Flight Info


## Entering Fuel on Board:

- 1) From any page, tap **Home** > .
- 2) Tap the desired trip in the Trips List.
- 3) Tap the Fuel Quantity field to enter the amount of fuel. The Fuel field is automatically populated with the Default Fuel/Cruise Burn Rate, but should be adjusted to reflect the actual fuel onboard the aircraft.

## Entering Persons on Board:

- 1) From any page, tap **Home** > .
- 2) Tap the desired trip in the Trips List.
- 3) Tap the Persons on Board field to enter the number of occupants.



## Entering Optional Data (Call Sign, Alternate Destination and Remarks):

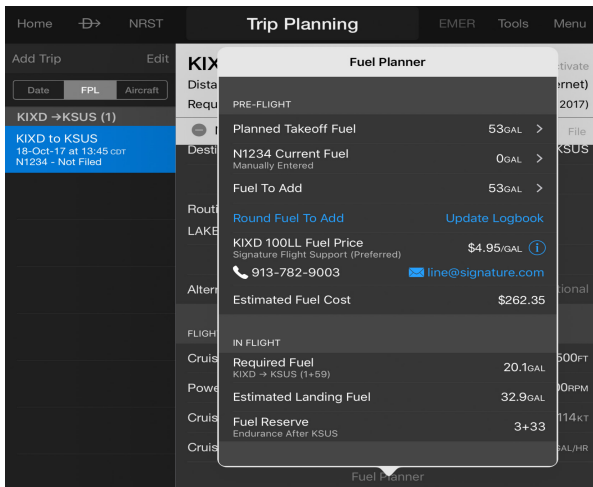
- 1) From any page, tap **Home** > .
- 2) Tap the desired trip in the Trips List.
- 3) Tap the applicable field and enter the desired information.

## FUEL PLANNER

The Fuel Planner allows ordering fuel directly with an FBO via email. Garmin Pilot will choose the FBO with the lowest price or the user may select a preferred fuel provider or FBO. The Fuel Planner is fully integrated with the pilot's logbook, the Fuel Planner incorporates the remaining fuel from the last logbook entry in the calculations. The Fuel Planner has the flexibility to allow the pilot to elect to top off the aircraft's fuel tanks, take on the maximum fuel based upon weight and balance calculations, or incorporate a 30, 45, or 60 minute fuel reserve.

## Using the Fuel Planner:

- 1) From any page, tap **Home** > .
- 2) Tap **Preferences**, select the preferred fuel provider, and input the e-mail address of the FBO.
- 3) Tap  and select **Fuel Planner** in the selected trip.
- 4) Tap the email address to send the fuel order to the selected preferred FBO.



Fuel Planner

## NAVLOG

Garmin Pilot generates the flight plan in the Flight Plan section of Trip Planning Page using the Active Flight Plan waypoints, user-provided aircraft performance data, and FltPlan.com Trip Plan information and weather data. The NavLog provides navigation information for each leg of the Active Flight Plan.

### Viewing the NavLog Tab:


- 1) From any page, tap **Home** > 
- 2) Tap **NavLog**, to view the FltPlan.com generated Flight Plan.

### Flight Plan Column Options:

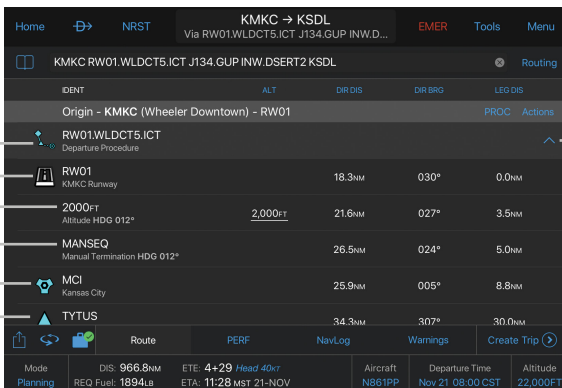
• Bearing To	• ETA	• Fuel Required
• Distance Cumulative	• ETE Leg	• Fuel Remaining
• Distance Leg	• ETE To	• Magnetic Course
• Direct to DIS	• Fuel Leg	• True Course

Flight Plan Column Options

### Expanding Flight Plan Legs:

- 1) From any page, tap **Home** > 
- 2) Tap  for flight plan legs containing a Departure, Arrival, or Airway to expand the leg and view all waypoints for that leg. Tap  to collapse the leg.


Departure Procedure  
Waypoints Along  
Departure Procedure




Tap to Collapse

Expanding Flight Plan Legs

## Deleting Trips:

- 1) From any page, tap **Home** > .
- 2) Tap **Edit** > tap to select trip > **Delete** to delete the trip.
- 3) Tap **Done** to exit deletion mode.

## Accessing Preflight Weather Briefing:

- 1) From any page, tap **Home** > .
- 2) Tap the desired trip from the Trips List.
- 3) Tap the **Brief** tab to view the Standard Weather Briefing for the route of flight.
- 4) Tap **Refresh** if necessary to update the weather information.



## BRIEF

Garmin Pilot subscribers in the U.S. and Canada now have access to the Leidos Flight Service graphical weather briefing based on the parameters of the Active Flight Plan and Trip Plan. The detailed weather briefing includes colorful graphics and images identical to the briefing provided by a specialist at 1-800-WXBRIEF. The Brief Tab contains a standard weather briefing for the route of flight including:

• Terminal Weather	• PIREPs	• UAS Operating Areas
• Severe Weather	• Terminal Forecasts	• Area Forecast
• SIGMETs	• Winds Aloft	• Convective Outlook
• AIRMETs	• NOTAMs	• Notices
• Center WX Advisories	• TFRs	• Flow Control
• METARs	• NHC Bulletins	• Other

### Flight Plan - Brief Tab Options

## Accessing Preflight Weather Briefing:

- 1) From any page, tap **Home** > .
- 2) Tap the desired trip from the Trips List.
- 3) Tap the **Brief** button to view the Standard Weather Briefing for the route of flight.
- 4) Tap **Refresh** if necessary to update the weather information.
- 5) Tap  to view the 'Share' action menu.
- 6) Tap **Markup** to annotate the Briefing, if desired.
- 7) Tap the preferred file sharing method (e.g. AirDrop, Mail, etc.).

*Tap to View*

*Tap to Refresh Weather Data*

*Tap to View Sharing Info*

Trip Planning - Leidos Brief Tab

## TRIP PLANNING - ROUTE DATA

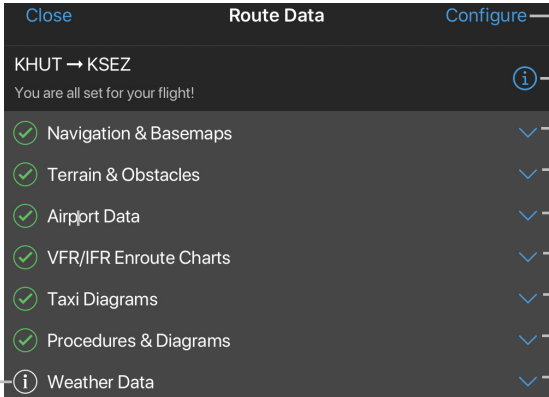
Garmin Pilot allows users to verify the route data and charts for your active flight plan are downloaded to your device.



**NOTE:** A green check mark indicates all required route data and charts for your flight plan are downloaded to the device. A yellow triangle indicates additional download(s) required.

### Viewing the Route Data in Trip Planning:

- 1) From any page, tap **Home** >  > .
- 2) Tap  to expand/collapse **Route Data** sections and view their download status.



Close      Route Data      Configure

KHUT → KSEZ

You are all set for your flight!

- ✓ Navigation & Basemaps
- ✓ Terrain & Obstacles
- ✓ Airport Data
- ✓ VFR/IFR Enroute Charts
- ✓ Taxi Diagrams
- ✓ Procedures & Diagrams
- i Weather Data

Tap to View Download Status

Tap to Configure

Tap to View Info

Tap to Expand


### Trip Planning - Route Data - Download Status

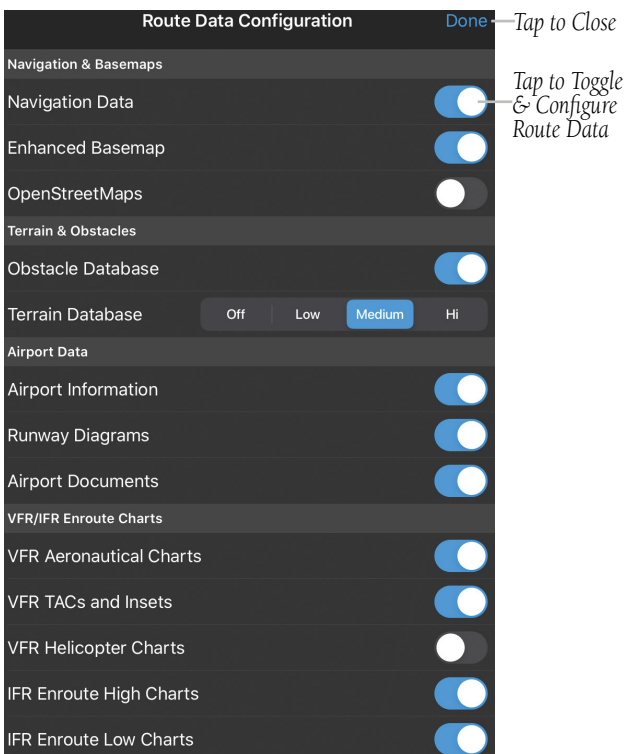
**Route Data** and chart downloads may be customized to allow users to select the desired navigation and basemaps, terrain, obstacles, VFR/IFR charts, taxi diagrams, and procedures, for offline use.



**NOTE:** Route Data fetches downloads for the current cycle. Enable Auto-Download Pilot Updates in Settings > Downloads, to ensure future cycles are also downloaded as they become available.

## Configuring Route Data in Trip Planning:

- 1) From any page, tap **Home** >  >  > **Configure**.
- 2) Tap the desired **Route Data** items for your trip.
- 3) Tap **Done** to return to the **Route Data** window.



Trip Planning - Route Data Configuration



## FILING A FLIGHT PLAN

---



**NOTE:** A data connection (e.g., Wi-Fi or cellular) is required to receive preflight weather briefings and to file flight plans.

---

Once all required information is entered, and after reviewing the weather briefing and supplemental weather information, file the flight plan. The flight plan is officially submitted via FltPlan.com. If successful, an Operation Succeeded message will appear. If the flight plan was not successfully transmitted, a notification will provide the reason it was not transmitted.

### Filing:

- 1) From any page, tap **Home** > 
- 2) With the desired trip selected, tap **File**.
- 3) "Filed" will appear in the top left corner of the Trip Planning Page.

Home
NRST
Trip Planning
EMER
Tools
Menu

Add Trip
Edit

Form

NavLog

Brief

W & B

Date

FPL

Aircraft

**KGEU → KRHV (1)**

KAUS to KFOE (1)

18-Nov-21 at 16:30 CST

N861PP - Unconfirmed

**KGEU → KRHV (1)**

Refresh

Nov 22, 16:03 CST (Om ago)

View Full Screen

**KGEU → KRHV**

Distance: **561.0nm**

Required Fuel: **1033Lb**

Not Filed

ETE: **2+28** (260KtAS CRUISE)

ETA: **10:28 PST** (Nov 23, 2021)

Activate

FitPlan.com

Navigation Log

Deppt: 0900L (GMT-7) | Arr: 1027L (GMT-8)

N861PP IFR Non-Sch PC12L Equip: SBDORZIC ATIS: 119.42 AWOS Freq: 623.877-8009119.42

Dep: KGEU 1600Z 260kts FL240 (See below) ATC Cntrl by phone: 602-306-2666

Dest: KRHV ETE: 2:27 Alt: FSL 800-992-7433 (1/26)

Sum 18: PBNXC202 NAV/8AS DOF/21123 REG/G-N861PP ATC Cntrl: Seattle FFLPlan: 1-203-262-8383

File: BXX T306 PSP V388 PDZ V197 PMD Elev: 1071 Grd: 118.0 Twr: 121.0

KGEU to KRHV: TC>297' (FMS winds 297/118) MC> 285' ST.

LINE=51nm AIRWAY=561nm Extra=8%

Winds Aloft	FL260 (5A-37) Comp	FL240 (5A-33) Comp	FL220 (5A-29) Comp	FL200 (5A-25) Comp
BXX	223/043 +09 -035	228/039 +10 -034	224/037 +09 -031	220/036 +08 -028
BLH	202/032 +07 -012	198/025 +08 -007	200/023 +08 -008	204/023 +07 -008
PSP	207/027 +06 -009	203/020 +08 -005	235/017 +08 -011	260/013 +07 -012
DEWAY	213/024 +06 -008	213/020 +07 -006	237/017 +07 -011	260/014 +07 -013
PDZ	223/017 +06 -012	230/015 +07 -012	246/014 +07 -013	263/012 +07 -012
POM	227/021 +06 -004	235/020 +07 -007	248/017 +07 -009	261/015 +07 -011
PMD	233/029 +05 -006	244/028 +07 -001	251/024 +07 -002	259/019 +07 -004
KRHV0100	304/031 +05 -030	291/031 +06 -029	290/029 +06 -027	288/028 +06 -026
Avg. Trip Winds=>	-22 Headwind	-18 Headwind	-19 Headwind	-19 Headwind
FLT TIME=>>	2:31(+04) 288TAS	2:27(+00) 260TAS	2:26(+01) 264TAS	2:25(+02) 265TAS
Fuel Burn=>>>	1,035 Lbs	1,033 Lbs	1,056 Lbs	1,085 Lbs

FIX	ST	LAT/LON	HR04	Leg Rem	Fuel Burn	ETE	WX	
KGEU GLENDALE	AZ	N3331.6W11217.7	—249	0 561	40 40.0	0.00:27.2 0.00		
BXX 110.6 BUCKEYE	AZ	N3327.2W11249.5	247/280	27 534	125 164.9	0.12:12.15 0.12	N/A	
BLH 117.4 BLYTHE	CA	N3335.8W11445.7	260/287	98 436	187 352.1	0.26:14.9 0.36	N/A	
PSP 115.5 PALM SPRINGS	CA	N3352.2W11655.8	268/274	85 351	126 478.0	0.20:12.9 0.56	N/A	
DEWAY 115.5/27416	CA	N3356.9W11844.4	276/296	16 335	23 501.5	0.04:1.25 1.02	N/A	
PDZ 112.2 PARADISE	CA	N3355.1W11731.4	285/292	39 206	56 559.4	0.10:1.15 1.12	N/A	
POM 110.4 POMONA	CA	N3404.7W11747.2	292/323	16 280	24 583.1	0.03:1.12 1.15	N/A	
PMD 114.5 PALMDALE	CA	N3437.9W11803.9	323/297	50 244	62 635.0	0.09:1.03 1.24	N/A	
	KRHV0100	N3614.4W12015.0	0296/295	144 100	216 851.2	0.35:0.28 1.59	122.0	
	KRHV SAN JOSE	CA	N3720.0W12149.2	295	100	0 181 1033	0.28:0.00 2.27	

Tap to Activate Flight Plan

Tap to File Flight Plan

Tap to Refresh Weather



Filing Status

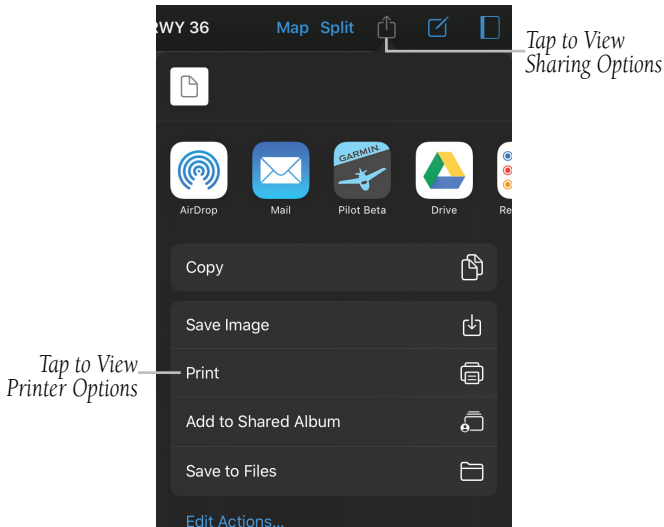
Route of Flight

Total Flight Time & Fuel Burn With Current Weather

### NavLog - Filing Flight Plan

## Printing a FltPlan.com NavLog:

- 1) From any page, tap **Home** > .
- 2) Tap **NavLog** >  > **Print**.
- 3) Select desired printer options.
- 4) Tap **Print**, or **Cancel** to close without printing.



NavLog - Printer Options

### Amending a Filed Flight Plan:

- 1) From any page, tap **Home** > .
- 2) With the desired flight plan selected, tap **Amend Flight Plan**.
- 3) Make the desired changes and tap **File Amendment** or **Discard Changes** to cancel changes and use original flight plan.

### Canceling a Filed Flight Plan:

- 1) From any page, tap **Home** > .
- 2) With the desired flight plan selected, tap **Cancel Flight Plan**.

### Closing a Filed Flight Plan:

- 1) From any page, tap **Home** > .
- 2) With the desired flight plan selected, tap **Close Flight Plan**.

## FLY

Garmin Pilot provides full en-route navigation capabilities on its moving map. The ability to view navigation data such as ETE, ETA, crosstrack error, and distance information. Pilots can also navigate with Garmin's patented panel view, a GPS-driven instrument panel with graphical HSI directional display and indicators for groundspeed, geometric altitude and vertical speed. Tap and hold any location on the map and the Radial Menu provides quick and easy access to navigation information, including airports, nav aids, current METARs, and airspace. The Radial Menu also provides a ready means of navigating Direct To, create user waypoints or graphically edit the route of flight. After takeoff, pilots can continue to view updated weather information by wirelessly connecting to SiriusXM Weather through various Garmin devices and Devices capable equipment.



## MAP

The Map Page is comprised of the Map Pane and an option for split-screen. The split-screen feature is available in either portrait or landscape screen orientation. The Map Page can be divided between the Map Pane and one of the following options:



Widgets



Charts



Terrain



FtPlan.com



Synthetic Vision



Flight Plan



Flight Profile



EIS



Navigation



Safe Taxi



Checklists



Documents



Traffic














Scratch Pad

## Split-Screen Map Pane Controls

## MAP PANE CONTROLS

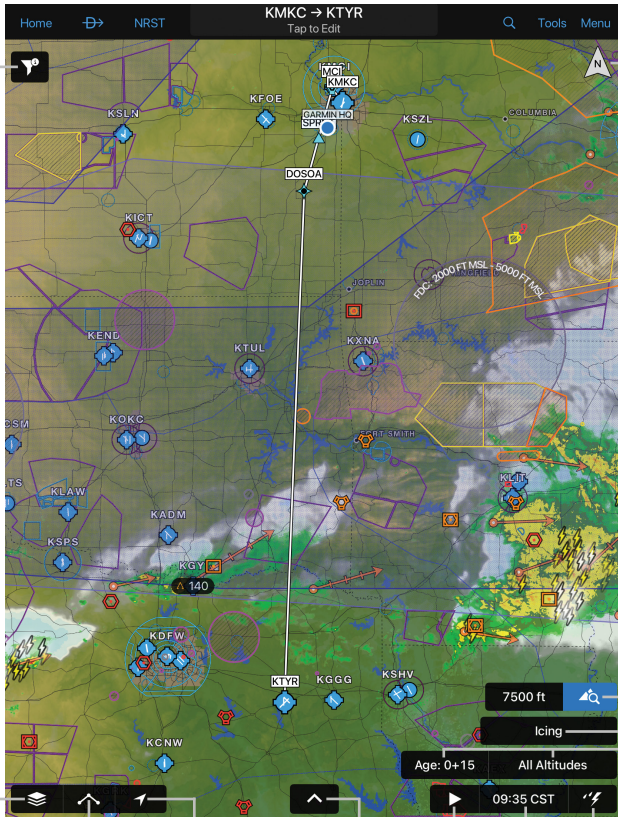
The Map Pane has a number of buttons that control the Map Settings:

Control	Icon	Description
Map Settings		Map/Chart, Overlays, Filters, Radar/IR Color, Opacities, Ownship/Route, General.
Center on Flight Plan	 	Centers the entire flight plan in the Map Pane. Highlighted in blue when selected
Center on Aircraft		Centers the Map Pane on the desired location.
		Centered on GPS location
		Track Up
Split-Screen		Toggles split screen 'On/Off', allowing the User to view additional information related to the flight, e.g. SynVis.
Map Orientation		Toggles map orientation from north up to track up. The Icon is blue when track up is active. Track will only update when motion is sensed.
Filter Settings		Displays a list of active and upcoming Airspace & NOTAM filters, along with filter visibility settings.
Terrain Planner	 	Highlights terrain near, at, or above the flight plan altitude and/or a User selected altitude. The icon is blue when the terrain planner is active, allowing the User to select the desired altitude.

### Map Pane Controls

Airspace & NOTAM Filters

Map Orientation



Map Settings

Center on Flight Plan

Center on Aircraft & Track Up

Split-Screen

Map Overlay Controls

Map Pane Controls

## FLIGHT PLAN QUICK ACCESS

The Map page provides a shortcut to access the active flight plan without changing pages. Tap the active flight plan displayed on the Navigation Bar to display the entire flight plan. The flight plan window displays relevant flight plan details as well. Flight plan waypoints can be edited by tapping any row in the flight plan. Tap the active flight plan displayed on the Navigation Bar or anywhere on the screen other than inside of the flight plan summary to close the flight plan window and return to the map. If the flight plan is edited, the changes can be saved by tapping the Create Trip button, which loads the flight plan template in the Trip Planning page to Save, File, and Activate, as well as reviewing the weather brief for the route.

*Tap to View Flight Plan Quick Access Menu*

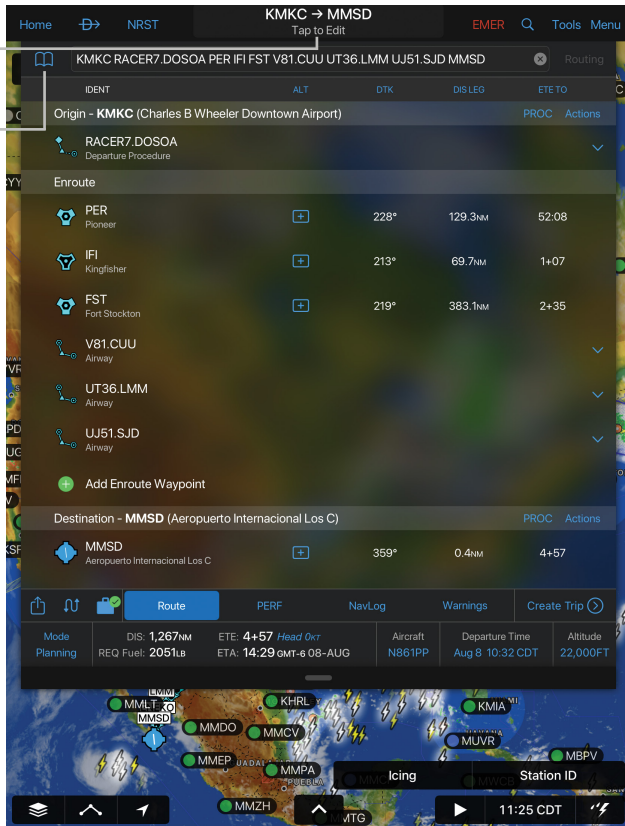


Quick Access Flight Plan View - Landscape



Tap to View  
Flight Plan  
Quick Access  
Menu

Tap to Store  
Flight Plan




Quick Access Flight Plan View


## MAP/CHART SELECTION AND SETTINGS

---

The following charts are available for viewing in the map area: Aeronautical, IFR Low, and IFR High. Charts are high-resolution color images that resemble the paper version of the National Aeronautical Navigation Products (AeroNav) published charts. Maps are available in four different themes, Roads/Borders, VFR, IFR, and OpenStreetMap.

The Roads/Borders Map is a very basic map showing major roads, bodies of water, borders and Flight Plan information. The VFR map is similar to a VFR aeronautical chart, showing map information pertinent to VFR navigation. The IFR themed map is similar to an IFR area chart, showing map information that is pertinent to IFR flight. The OpenStreetMap themed map are high resolution detailed street maps for enhanced situational awareness. Each map theme can be customized and saved for future use by tapping  that appears when a map theme is selected.


### Selecting a Map Theme or Chart:

- 1) Tap  > **Map/Chart**.
- 2) Tap the radio button or Map/Chart title to select a Map/Chart.

## Selecting a Helicopter Chart Overlay:



**NOTE:** A chart basemap must be selected to display helicopter overlays.

- 1) After downloading the desired Helicopter Charts, tap  > **Map/Chart**.
- 2) Tap a chart basemap (**VFR**, **IFR Low**, or **IFR High**).
- 3) Tap a Helicopter Overlay (**U.S. VFR Helicopter**, **Brazil VFR Helicopter**, **Gulf VFR Helicopter**, or **Gulf IFR Helicopter**).



Map - Map/Chart - Gulf VFR Helicopter

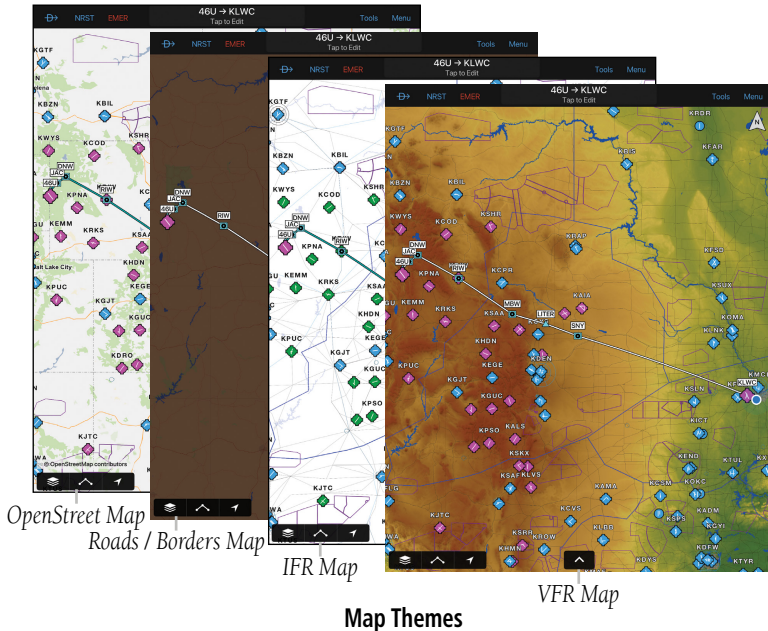
## ADVANCED MAP SETTINGS

Map Themes can be customized, renamed, and saved for future use. The Advanced Map Settings menu provides general settings for:



• Topography (Off, Shade, or On)	• Airports
• Map Color (White, Green, or Brown)	• Nav Aids
• Map Type (IFR/VFR)	• Airspaces
• Map Name	• Cities

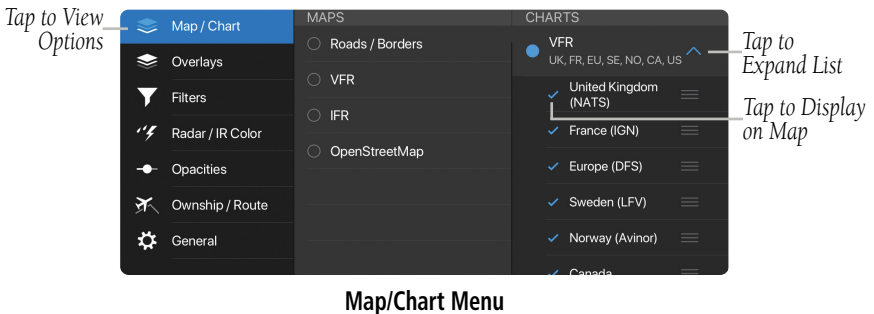
### Advanced Map Settings

When Topography is 'On', the map color is based on topography, but topography shading can be added to any map color.



## Accessing Advanced Map Settings:

- 1) Tap  > **Map/Chart** > **Map Name** > .
- 2) Tap **General, Airports, Nav Aids, Airspaces, or Cities**.
- 3) Use the sliders and selection buttons to set Visibility Ranges and Label Sizes for map features.
- 4) To give the new settings a name, Tap **General > Map Name**, and use the keyboard to enter a name.
- 5) Tap **Done** to save and exit, or tap **Restore Defaults** to restore the default Map Theme setting.



Map Setting Categories	Map Item	Options			
<b>General</b>	Topography Map Color Map Type Map Name	Off, Shade, or On White, Green, or Brown IFR, or VFR User Defined Name			
<b>Airports</b>	Visibility Range	Large Airports Off - 200 nm	Med Airports Off - 50 nm	Small Airports Off - 20 nm	Pvt Airports Off - 20 nm
		Heliports Off - 20 nm	Seaplane Base Off - 50 nm	SafeTaxi Off - 2 nm	Traffic Patterns Off - 2 nm
		Entry Routes Off - 2 nm	Holding Patterns Off - 2 nm	Airport Runways Off - 2 nm	
		Label Size Off, Small, Medium, Large			
<b>Nav Aids</b>	Visibility Range	VOR Off - 100 nm	NDB Off - 50 nm	Intersection Off - 10 nm	
		VRP Off - 10 nm	Low Airways Off - 100 nm	High Airways Off - 100 nm	
	Label Size VOR, NDB, Intersection, VRP Off, Small, Medium, Large				

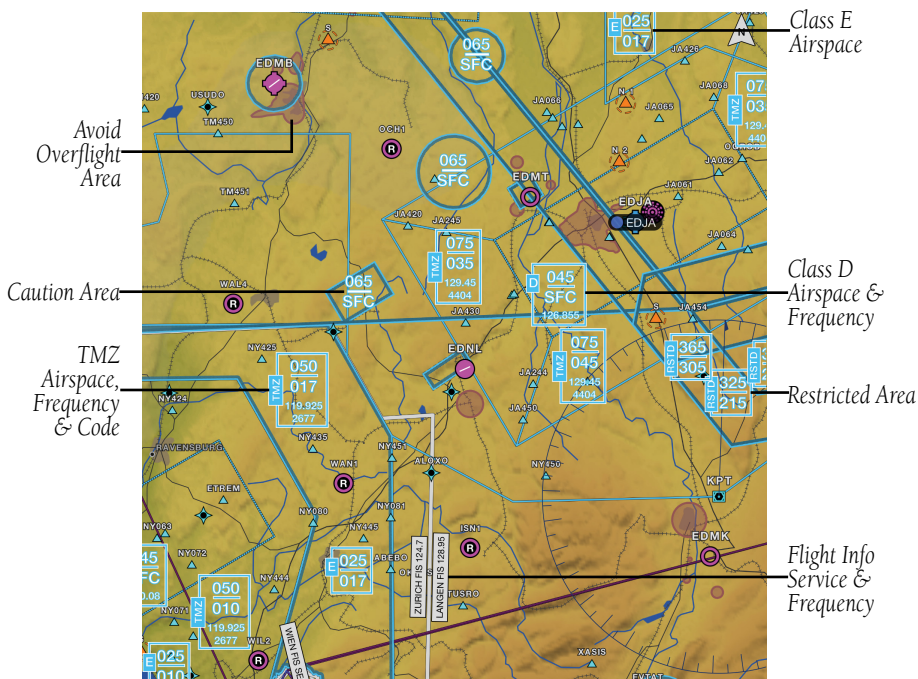
<b>Airspaces</b>	Visibility Range	Class A, B, C Off - 200 nm			Class D Off - 100 nm
		Class E/TRSA Off - 100 nm	TMA Off - 200 nm		Control Area CTA Off - 100 nm
		Control Zone CTR Off - 100 nm	ATZ/TIZ/MATZ Off - 100 nm		Euro Airway Off - 100 nm
	SUA Visibility Range	Restricted, Temporary, Alert / Warning, MOA Off - 200 nm			ADIZ Off - 500 nm
		Danger, Parachute Area, Natural Conservation Area, Avoid Overflying Area Off - 100 nm			
		Flight Info. Services	Other	Show ARTCC/ FIR Boundaries	
		Off - 500 nm	Off - 100 nm	On/Off	
	Label Style	Airspace Size Off, Small, Medium, Large			
		Airspace Style Standard, Enhanced			
	Label Color	Airspace Color Standard, Dark			
<b>Cities</b>	Visibility Range	Large City Off - 500 nm	Medium City Off - 200 nm	Small City Off - 100 nm	Small Town Off - 50 nm
	Label Size	Large City, Medium City, Small City, Small Town Off, Small, Medium, Large			

### Advanced Map Settings

To support the unique needs of VFR pilots flying in Europe, Garmin Pilot incorporates VFR navigation data, including:

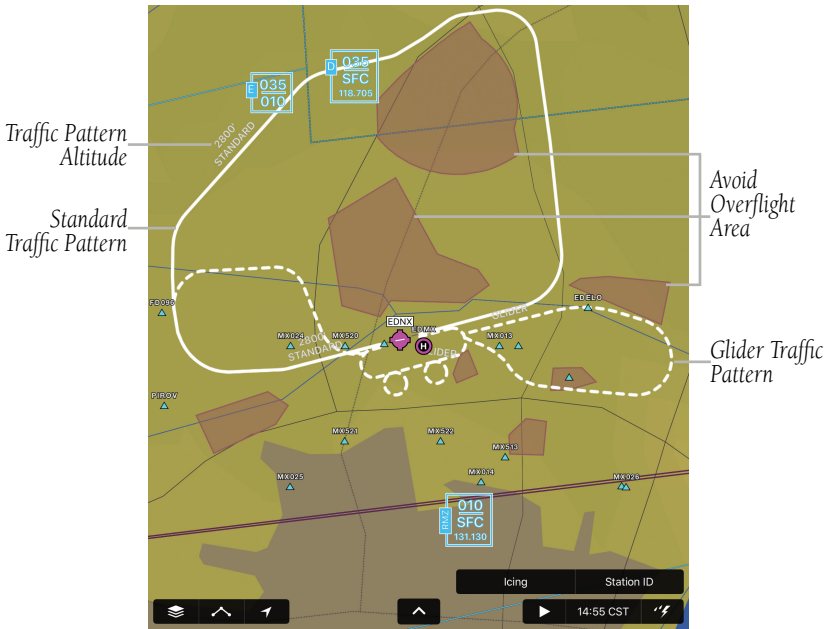
- Airport Traffic Patterns
- Airport Entry & Departure Routing Lines
- Enroute Holding Patterns
- FIS Areas and Frequencies
- TMZ/RMZ Airspaces
- Nature Conservation Areas
- General Purpose Airspace
- Avoid Overflying Areas

**European VFR Airspace**



**European VFR Airspace - Overview**





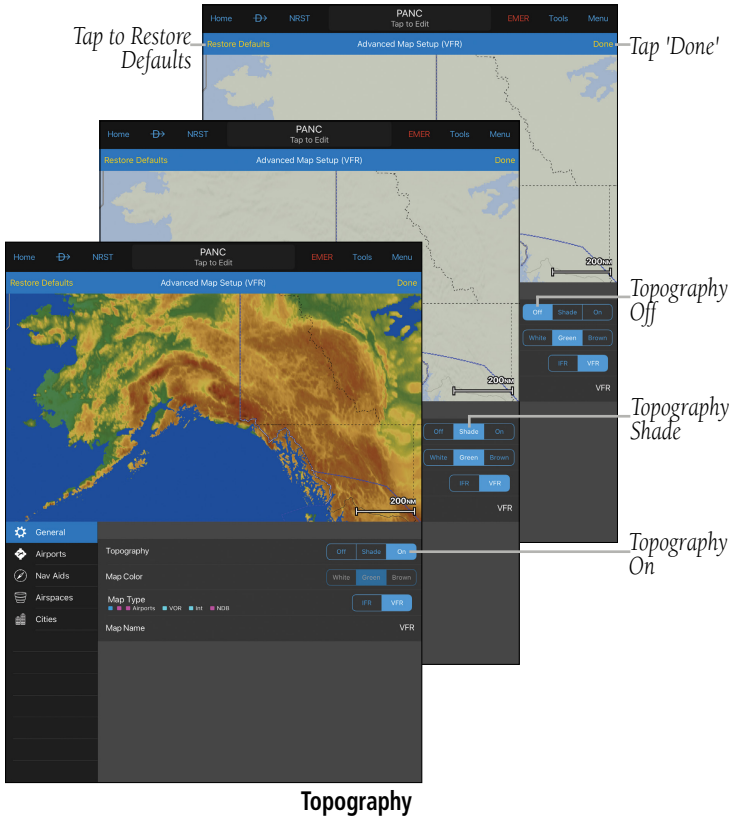
European VFR Aispace - Traffic Patterns




European VFR Aispace - Airport Routing & Holds

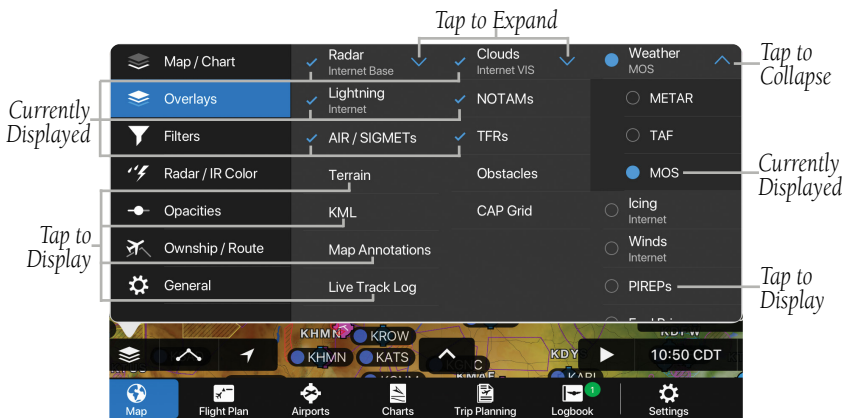
# TOPOGRAPHY

Maps can display topography shading on the base map color or various colors and shades representing land elevation, similar to aviation aeronautical charts.



## OVERLAYS

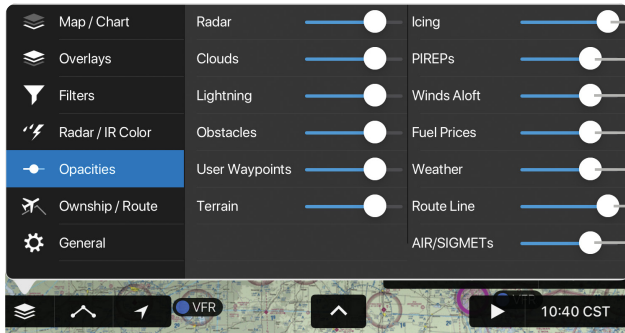
Map Overlays provide graphical weather products, graphical AIR/SIGMETs, TFRs, Terrain, KML's, Live Track Log, Traffic, Obstacles, CAP Grid, Winds, PIREPs, NOTAMs, and Fuel Prices. Tap  to expand **Radar**, **Lightning**, **Cloud** and **Weather** types. Multiple layers in the first two columns can be selected for display. Only one overlay in the far right column can be selected to display at a time.



Map Overlays

## OPACITIES

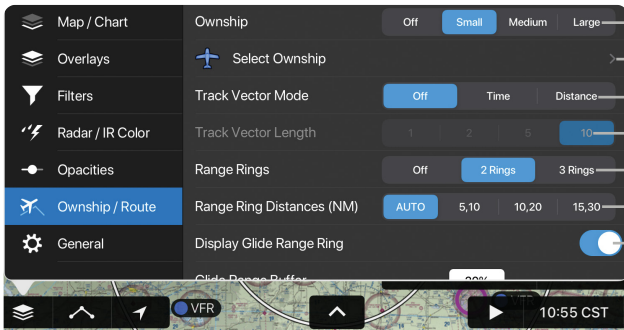
The Opacities menu provides sliders to set the opacity for: Radar, Clouds, Lightning, AIR/SIGMETs, Obstacles, User Waypoints, Traffic, Terrain, Icing, PIREPs, Winds Aloft, Fuel Prices, Weather, and TFRs.



Overlays - Opacities Menu

## OWNSHIP/ROUTE SETTINGS

The Ownship/Route Settings Menu provides Ownship Display settings, Track Vector options, Range Ring options, Glide Range Ring options, Runway Extended Centerlines Visibility range and style settings, and display settings for Route Labels, Route Icons, and Wx Station Pins.




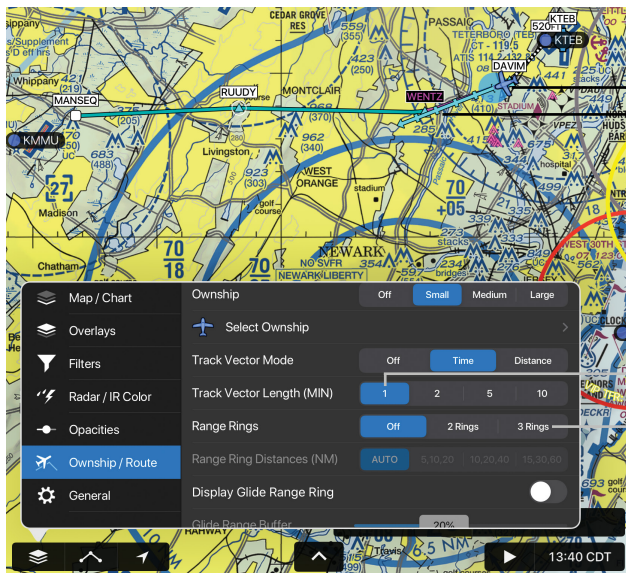
Overlays - Ownship/Route Settings Menu

## TRACK VECTOR

The Track Vector is a solid blue line segment that extends from the Ownship symbol to a predicted location. The track vector can be configured for a look ahead time (1, 2, 5, or 10 minutes) or a look ahead distance (1, 5, 10, or 20 nautical miles). When a look ahead time is selected the length of the vector varies based on ground speed. The track vector is useful in minimizing track angle error and for avoiding traffic, obstacles and terrain.

### Enabling/disabling and Configuring the Track Vector:

- 1) Tap  > **Ownship/Route**.
- 2) Select the Track Vector Mode **Off**, **Time** (min), or **Distance** (NM).
- 3) Select the Track Vector Length to the desired look ahead time or look ahead distance.



Aircraft Icon  
Track Vector

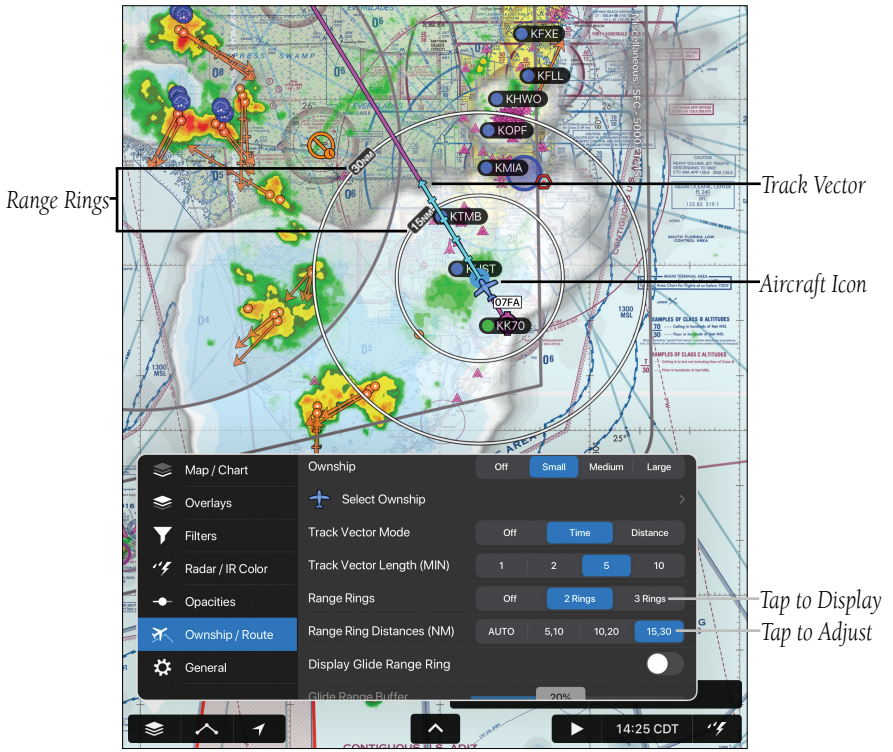
Tap to Display

Tap to Adjust

Ownship/Route - Track Vector - Time

## RANGE RINGS


The Range Rings are centered on the aircraft's present position and can be configured **Off**, **2 Rings**, or **3 Rings**. When configured for 2 Rings the range can be set to **AUTO**, **5/10**, **10/20**, or **15/30**. When configured for 3 Rings the range can be set to **AUTO**, **5/10/20**, **10/20/40**, or **15/30/60**. When **AUTO** is selected the Range Rings will dynamically change from as little as 200FT to as much as 1200NM based on the current map range.



Ownship/Route - Range Rings - 2 Rings

## GLIDE RANGE RING

This feature is an aid to estimate accessible airports and terrain if the aircraft were forced into glide circumstances. The displayed ring updates in real time, derived from the selected aircraft's altitude, speed, and performance details. Since Garmin Pilot supports multiple aircraft, the Glide Range Ring refers to the current active flight plan to determine which aircraft performance details to calculate the ring shape.

The Glide Range Ring requires glide performance details to be specified in Garmin Pilot's settings. This is accessed through **Home** >  > **Aircraft**. Tap on an aircraft (not aircraft type) to edit its details, and scroll down to the Glide section to specify the **Glide Ratio** and **Best Glide Speed**. Refer to the aircraft documentation for these values.

The **Glide Range Buffer** setting can be used to shrink the Glide Range Ring in situations where glide performance is expected to be less than ideal, perhaps due to shifting winds. Increasing this setting will decrease the size of the Glide Range Ring. Enabling **Shape Glide Ring for Terrain** will alter the shape of the Glide Range Ring to show intersection with terrain. Enabling **Shift Glide Ring for Wind** will factor in local wind conditions when calculating the Glide Range Ring shape. Note the Glide Range Ring uses the most recent weather data, which may be outdated if Garmin Pilot does not have access to real time weather data over Wi-Fi or with outboard hardware such as a GDL 39.

## Enabling/disabling the Glide Range Ring:

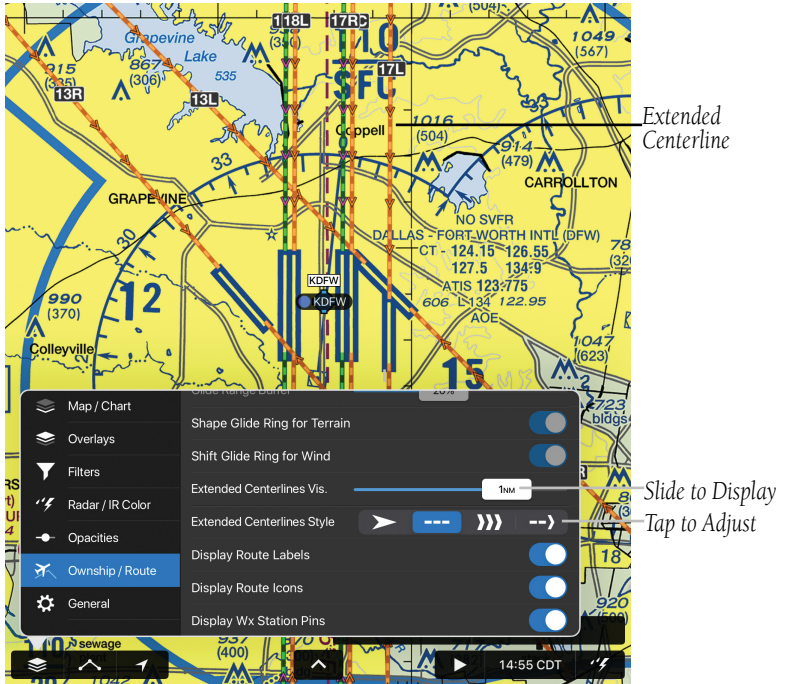
- 1) Tap  > **Ownship/Route**.
- 2) Tap the **Display Glide Range Ring** switch to **On**.





## EXTENDED CENTERLINES

Extended Centerlines provide a graphical extension of the centerline for each runway for all airports that are part of the Active FPL. Extended Centerlines can be very helpful when approaching an unfamiliar airport. The Extended Centerlines Visibility slider sets the Map Scale (OFF-5NM) at which the extended centerlines will become visible on the map. Extended Centerlines can be configured in multiple ways and include runway identifiers as well.



Ownship/Route - Extended Centerlines





## MAP PANE

---

### Viewing and Configuring Navigation Info on the Map:

- 1) From any page, tap **Home** > .
- 2) Tap **Menu** > **Show Navigation Info**.
- 3) Tap any one of the six fields to view the options menu.

### Panning the Map:

- 1) From any page, tap **Home** > .
- 2) Tap and drag within the Map Pane to pan the map to the desired area.
- 3) Tap  to center the Map Pane over the route of flight.
- 4) Tap  to center the Map Pane over the current location.
- 5) Tap  again to Track Up.

## ZOOMING

### MAP ZOOMING


The Roads/Borders, VFR, IFR, and OpenStreetMap maps can be zoomed from a 200 ft scale to a 500 NM.

### CHART ZOOMING

Garmin Pilot features smart VFR Chart zooming. When a more detailed map is available, Garmin Pilot automatically switches to the more detailed map as the zoom is increased. For example, if VFR is the current Chart, and the app zooms in further, the base map detail will automatically change to VFR Aeronautical scale and detail. Continuing to zoom in over an area that has a TAC chart, Garmin Pilot will continue to zoom in to TAC scale, or the highest level of detail available for that area.

When zooming out, the map scale will return to the selected level. For example, zooming out on a VFR Aeronautical Chart, Garmin Pilot will change to a VFR scale.

### Zooming the Map/Chart:

- 1) From any page, tap **Home** > .
- 2) Pinch fingers together or tap with two fingers to zoom out, or pull fingers apart or double tap with one finger to zoom in.

## RADIAL MENU

The Radial Menu is displayed by holding or tapping anywhere on the map area. The Radial Menu displays context-sensitive buttons for information found within the inner radius of the menu. The context sensitive buttons provide details for airports, nav aids, airspace, airways, obstacles, traffic, logbook tracks, elevation, estimated time enroute, and weather products. No matter where the Radial Menu appears, it will always provide the option to navigate direct to the location, create a user waypoint or graphically create/edit a flight plan. To reposition the Radial Menu, simply tap-drag it to a new location. Tap outside of the Radial Menu to close. Navigation data must be downloaded in order to make use of the Radial Menu.

Information displayed in the Radial Menu is determined by what is set in the Map/Chart Settings. For example if airspace is turned off in the Map Settings, airspace information will not be presented in Radial Menu searches. Traffic in the Radial Menu is displayed in Garmin Pilot when paired with an approved, configured device.



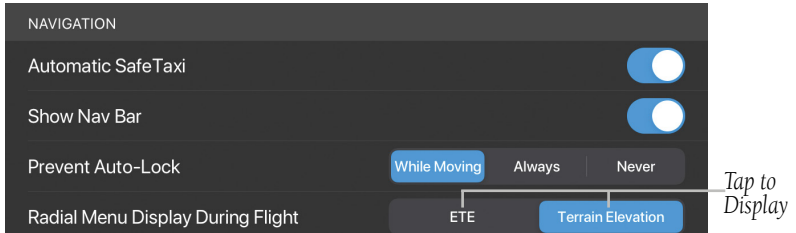
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**NOTE:** A terrain database must be downloaded to view the elevation data.

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## Radial Menu Display During Flight Settings:

- 1) From any page, tap **Home** >  > **General**.
- 2) In the Navigation section, Tap **ETE** or **Terrain Elevation**, to adjust your Radial Menu Display During Flight.




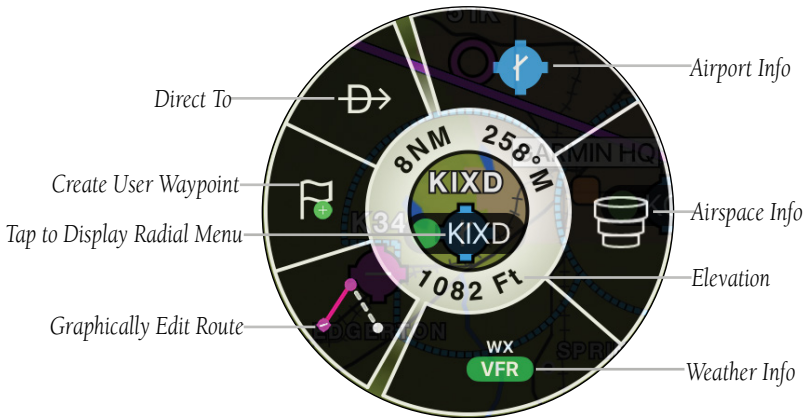
### Radial Menu Display During Flight Settings

## Accessing the Radial Menu:

- 1) From any page, tap **Home** > .
- 2) Tap on the desired area in the Map Pane until the Radial Menu appears.
- 3) Tap anywhere outside of the Radial Menu to exit.




















## Repositioning the Radial Menu:

- 1) From any page, tap **Home** > .
- 2) Tap in the Map Pane until the Radial Menu appears.
- 3) Once the Radial Menu appears, tap and drag the Radial Menu to reposition over a new area.




**Radial Menu**

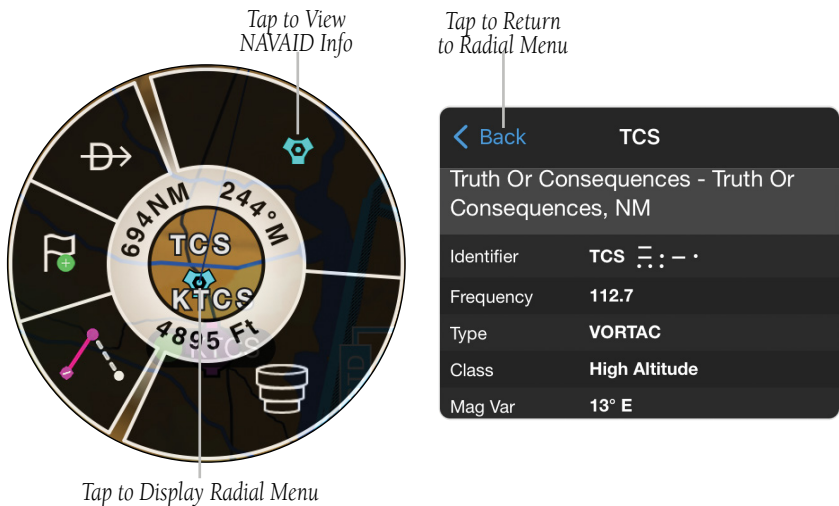
Radial Menu Symbol	Description	Radial Menu Symbol	Description
	Navigate Direct To		Public Soft Surface, Serviced Airport
	Create User Waypoint		Private Soft Surface, Serviced Airport
	Graphically Edit Route		Heliport
	Airways		Solid Surface Airport, No Services
	Weather Observation Condition		VOR/DME

Radial Menu Symbol	Description	Radial Menu Symbol	Description
	Obstacle Information		VORTAC
	Airspace		VOR
	Towered, Serviced Airport		NDB/DME
	Towered, Private Airport		NDB
	Marker/NDB		Logbook Tracks
	Traffic		Temporary Flight Restriction (TFR)
	PIREP		AIRMET
	SIGMET		Winds Aloft
	Seaplane Base		Fuel Price
	NOTAM		

## Radial Menu Symbols



## Viewing NAVAID, Obstacle, or Weather Information:

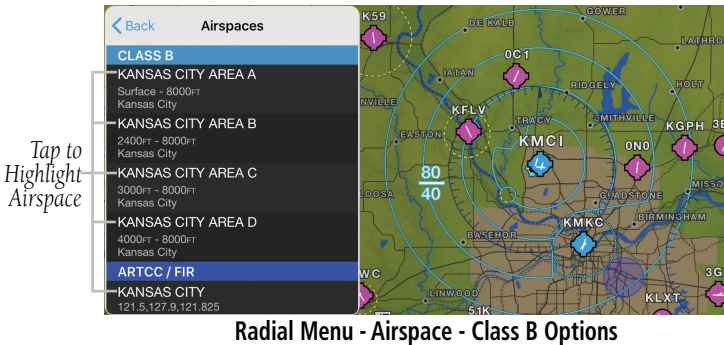
- 1) From any page, tap **Home** > .
- 2) Tap on the desired area in the Map Pane until the Radial Menu appears.
- 3) Tap the desired menu icon.
- 4) Tap outside of the dialog box to close.
- 5) Tap outside of the Radial Menu to exit.



Radial Menu - NAVAID

## Viewing Airspace:

- 1) From any page, tap **Home** > .
- 2) Tap on the desired area in the Map Pane until the Radial Menu appears.
- 3) Tap  to view the 'Airspaces' dialogue box.
- 4) Tap the desired Airspace from the list to highlight, view.
- 5) Tap **Back** to return to the Radial Menu, if desired.
- 6) Tap outside of the dialog box and/or Radial Menu to exit.







**Radial Menu - Airspace - Class B Shelves & ARTCC/FIR**

Airspace and Obstacle NOTAMs are now available as a graphical overlay on the Map and a symbol in the Radial Menu. Airspace NOTAMs may be depicted as a circle or shape, and are labeled with the NOTAM title along with associated altitude. In addition, airspace NOTAMs that will become active within the next 24 hours are displayed in amber (yellow), with a brighter contrast attributed to restricted items.



**NOTE:** In an effort to declutter the Map, not all Graphical Airspace NOTAMs will be visible.






**NOTE:** Some European airspace(s) are activated via an Airspace Use Plan (AUP), which are not included if a NOTAM is unavailable.



**NOTE:** In Europe, not all SUA's (Special Use Airspace) are activated by NOTAM. e.g., a MOA that does not have a NOTAM overlaid is not automatically inactive. To verify, the user should visit the following website: <https://sua.faa.gov/sua/siteFrame.app>.

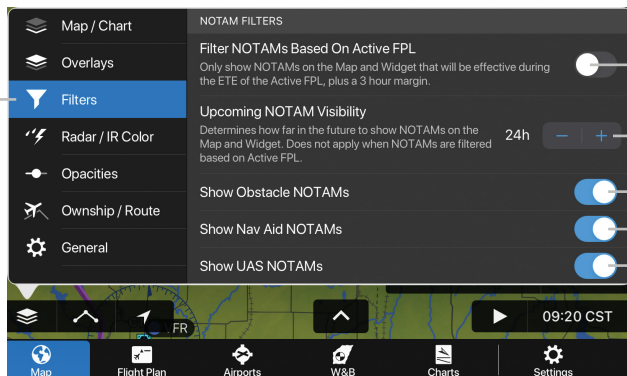
### Adjusting NOTAM Filters:

- 1) Tap  >  > .
- 2) Tap the Filter NOTAMs Based on Active FPL switch to enable/disable.
- 3) Tap the '+' or '-' button to adjust the time frame for Upcoming NOTAM Visibility.
- 4) Tap the Show Obstacle NOTAMs, Show NAV Aid NOTAMs, and Show UAS NOTAMs switch to enable/disable.



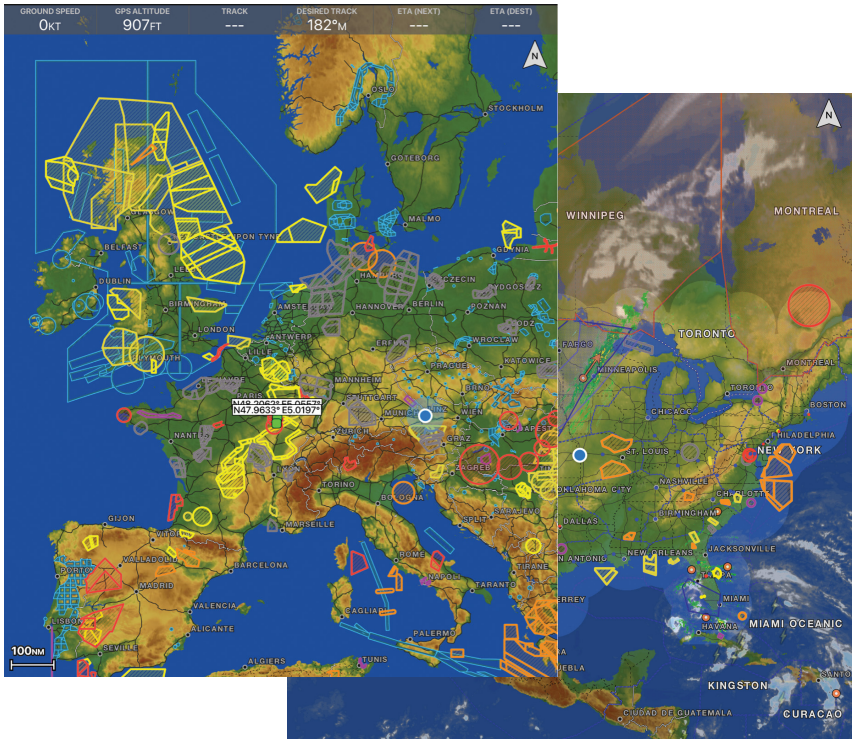
**NOTE:** Upcoming NOTAM Visibility is not applied when "Filter NOTAMS Based On Active FPL" is activated.

Tap to View  
NOTAM Filters

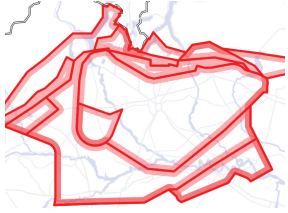
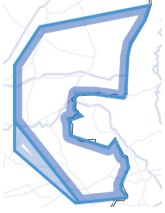
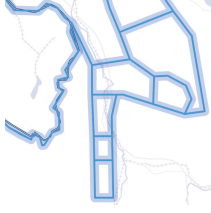



Tap to Adjust

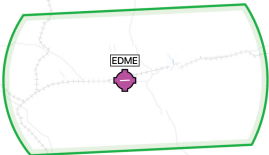

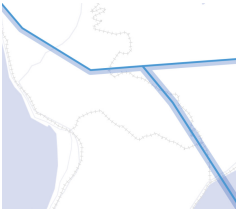
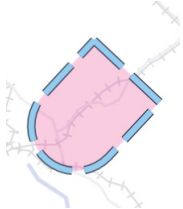
### Map - Overlays - NOTAM Filters



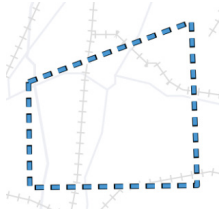
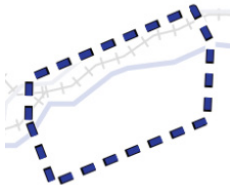

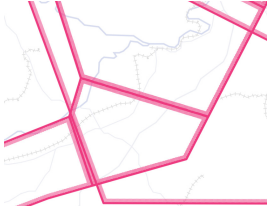
Graphical Airspace NOTAMs - Contiguous U.S. & Europe

Airspace Type	Description
Class A	 A map showing a Class A airspace boundary. The boundary is a thick, light red line with a darker red outline. The shape is irregular and covers a large area. <p>Thick light red line with darker red outline</p>
Class B	 A map showing a Class B airspace boundary. The boundary is a thick, light blue line with a darker blue outline. The shape is irregular and covers a large area. <p>Thick light blue line with darker blue outline</p>
Class C	 A map showing a Class C airspace boundary. The boundary is a thick, light blue line with a darker blue outline. The shape is irregular and covers a large area. <p>Thick light blue line with darker blue outline</p>
Class D	 A map showing a Class D airspace boundary. The boundary is a thick, light blue line with a darker blue outline. The shape is irregular and covers a large area. <p>Thick light blue line with darker blue outline</p>

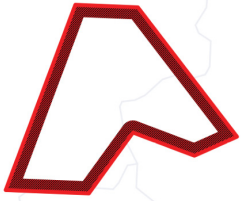
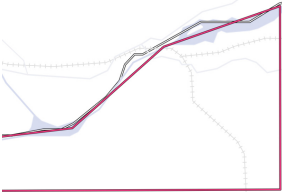

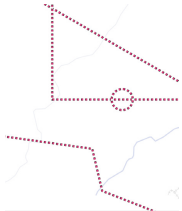
### ICAO Airspace Colors

Airspace Type	Description
Class E / G	 <p>Thick light green line with darker green outline</p>
Terminal Manoeuvring Area (TMA)	 <p>Dark grey line with black outline</p>
Control Area (CTA)	 <p>Thick transparent blue line with blue outline</p>
Controlled Traffic Region (CTR)	 <p>Dashed blue line with black outline and transparent pink fill</p>

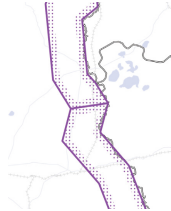
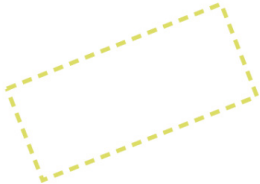
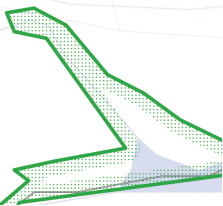
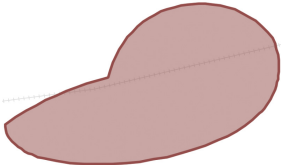
**ICAO Airspace Colors**

Airspace Type	Description
Air Traffic Zone (ATZ) Traffic Info Zone (TIZ) Flight Info Zone (FIZ)	 <p>Dashed blue line with black outline</p>
Military Air Traffic Zone (MATZ)	 <p>Dashed intense blue line with black outline</p>
Euro Airway	 <p>White line with black outline</p>
Restricted / Danger Areas	 <p>Thick pink line partially hashed with pink lines</p>

**ICAO Airspace Colors**



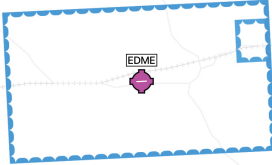

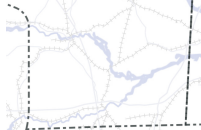
Airspace Type	Description
Prohibited Areas	 <p>Thick red line partially hashed with black lines</p>
Temporary Restricted Areas	 <p>Pink line with black outline</p>
Alert / Warning / Caution	 <p>Yellow dash dotted line</p>
Military Operations Area (MOA)	 <p>Red dashed line with black outline</p>

### ICAO Airspace Colors

Airspace Type	Description
Air Defense Identification Zone (ADIZ)	 <p>Purple line with multiple purple dotted inlines</p>
Parachute Jumping Areas	 <p>Yellow dashed line</p>
Natural Conservation Area	 <p>Green line with multiple green dotted inlines</p>
Avoid Overflying Area	 <p>Brown line</p>


**ICAO Airspace Colors**

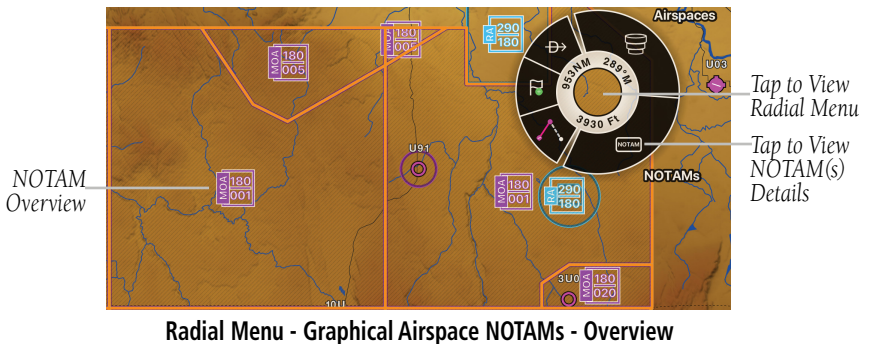


Airspace Type	Description
Flight Information Service (FIS)	 <p>Light grey line with black outline</p>
Military Training Area (MTA)	 <p>Pink dashed line with black outline</p>
Radio Mandatory Zone (RMZ)	 <p>Blue half ellipsis</p>
Transponder Mandatory Zone (TMZ)	 <p>Dark grey half ellipsis</p>
Frequency Monitoring Code (FMC)	 <p>Dark grey dash dotted line</p>

**ICAO Airspace Colors**

## Viewing Airspace NOTAMs:

- 1) From any page, tap **Home** > .
- 2) Tap on the desired area in the Map Pane until the Radial Menu appears.
- 3) Tap **NOTAM** to view the 'NOTAM' dialogue box.
- 4) Tap the desired NOTAM from the list to highlight and view details.
- 5) Tap **Back** to return to the Radial Menu, if desired.
- 6) Tap outside of the dialog box and/or Radial Menu to exit.



**NOTE:** The User must always read the complete NOTAM and text, not just the title, effective / end time, date, and altitude(s). While a NOTAM may be effective, the User must verify if the airspace / area is active or inactive.



**NOTE:** 'Hidden' NOTAMs can be accessed via Split Screen by tapping **Home** > **Split Screen** > **Widgets** > **NOTAMs**.

Active airspace NOTAMs are color-coded based upon the following classification:

## Restricted/Danger - Red



**NOTE:** Red Radial Graphical Airspace NOTAMs are always 'hidden' when their radius is greater than 60nm. Non-Radial shapes will always be displayed.

- VIP
- Prohibited Area
- Restricted Area
- Danger Area
- Temporary Restricted Area
- Avoid Overflying
- Reserved Area

[Back](#) 2/5862 - VIP

**VIP**  
Aug 8, 11:45 - 15:00 CDT  
Active now, Surface - 17999FT MSL

KY..AIRSPACE HAZARD,  
KENTUCKY..TEMPORARY FLIGHT  
RESTRICTIONS. AUGUST 8, 2022  
LOCAL. THIS NOTAM REPLACES  
NOTAM 2/5421 DUE TO CHANGE IN  
TIMES. PURSUANT TO 49 USC  
40103(B)(3), THE FEDERAL AVIATION  
ADMINISTRATION (FAA) CLASSIFIES  
THE AIRSPACE DEFINED IN THIS  
NOTAM AS 'INTL DEFENSE AIRSPACE'

Internet Active for another 1 hour, 38 minutes

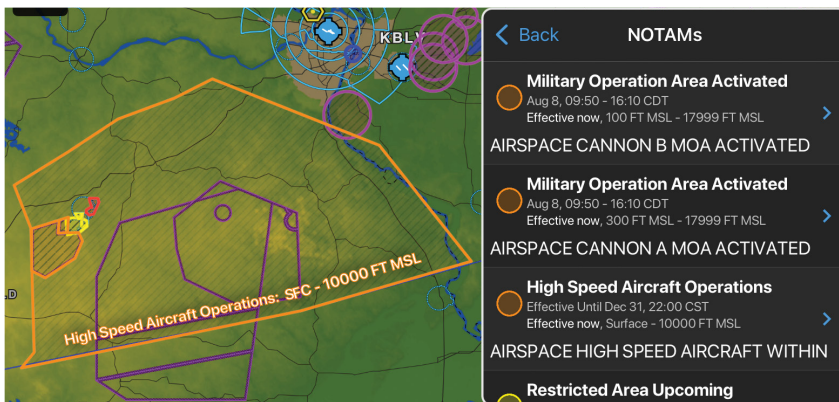
Graphical Airspace NOTAMs - Red - VIP - Details

## Alerts/Warnings - Orange



**NOTE:** Orange Graphical Airspace NOTAMs are 'hidden' when their radius is greater than 40nm. Non-Radial shapes will always be displayed.

- Warning Area
- Military Operations Area
- Scheduled Exercises (Military)



Graphical Airspace NOTAMs - Orange

## Flight Data Center (FDC) - Gray



**NOTE:** FDC Graphical Airspace NOTAMs, in a 'Radial' shape, are 'hidden' when their radius is greater than 100nm. 'Complex' FDC shapes are 'hidden' when their radius is greater than 150nm. Non-Radial shapes will always be displayed.

**Results**      **NOTAM**

**Miscellaneous**  
Aug 5, 16:15 - Aug 8, 17:15 CDT  
Effective now, Surface - Unlimited

AIRSPACE STATIONARY ALTITUDE  
RESERVATION WITHIN AREA DEFINED  
AS 15NM RADIUS OF  
302022N1023648W (FST142041.3)  
FL180BFL240. AVOIDANCE ADZ. DAILY  
2115-2215

NOTAM ID: 08/028, Source: Internet

Internet      Effective for another 3 hours, 34 minutes

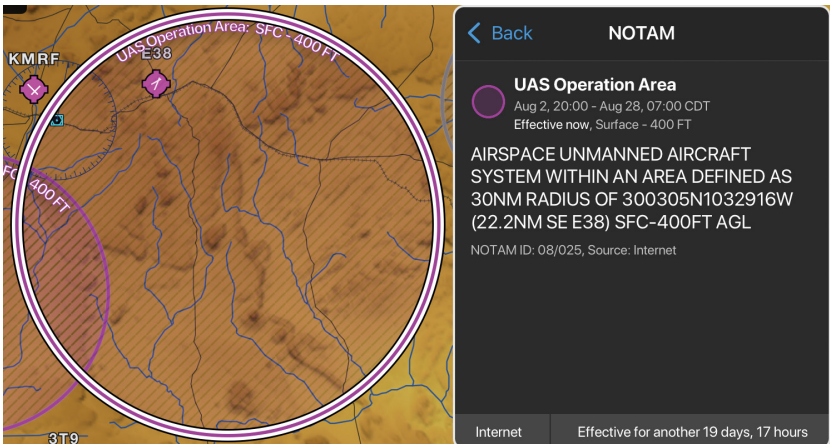
## Graphical Airspace NOTAMs - Grey - Details

## Other - Purple



**NOTE:** Purple Graphical Airspace NOTAMs are 'hidden' when their radius is greater than 40nm. Non-Radial shapes will always be displayed.

- Parachute Jumping Area
- Alert Area
- Unmanned Aircraft Systems (UAS) Operation Area
- Tethered Balloons/Kits
- Gathering of Aircraft
- Glider Flying Area
- Aerobatics Area
- Banner Towing




Graphical Airspace NOTAMs - Purple - Details




Graphical Obstacle NOTAMs are displayed on the Map in pink to differentiate them from the permanent obstacles. Graphical Obstacle NOTAMs are displayed whenever the NOTAM or obstacle layer are enabled.

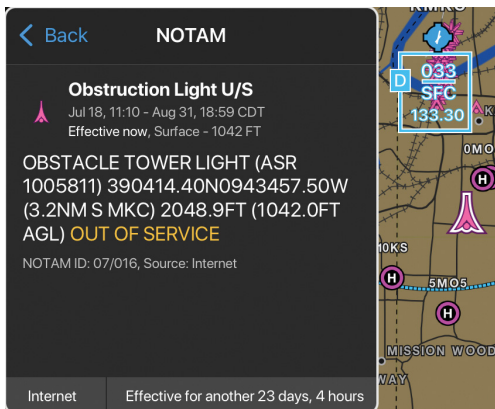
### Viewing Graphical Obstacle NOTAMs:

- 1) From any page, tap **Home** >  >  > **NOTAMs**.

Or:

From the Flight Planning page tap  > **NOTAMs**.

- 2) Tap on the desired obstacle (e.g. Tower , Removal , or Light(s) Out of Service ) in the Map Pane until the Radial Menu appears.
- 3) Tap **NOTAM** to view the 'NOTAM' dialogue box.
- 4) Tap the desired NOTAM from the list to highlight and view details.
- 5) Tap **Back** to return to the Radial Menu, if desired.
- 6) Tap outside of the dialog box and/or Radial Menu to exit.



Graphical Obstacle NOTAMs - Pink - Details


Graphical NAVAID NOTAMs are displayed on the Map or Chart to assist in navigation. The NOTAMs are displayed using the applicable NAVAID symbol, which are color-coded using the following classification:


- Red - Out of Service or Withdrawn
- Orange - Limitations

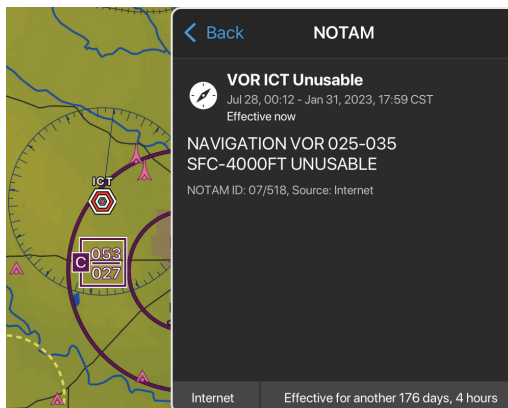
### Viewing Graphical NAVAID NOTAMs:

1) From any page, tap **Home** >  >  > **NOTAMs**.

**Or:**

From the Flight Planning page tap  > **NOTAMs**.

- 2) Tap on the desired NAVAID (e.g. VOR, DME) in the Map Pane until the Radial Menu appears.
- 3) Tap  to view the 'NOTAM' dialogue box.
- 4) Tap the desired NOTAM from the list to highlight and view details.
- 5) Tap **Back** to return to the Radial Menu, if desired.
- 6) Tap outside of the dialog box and/or Radial Menu to exit.



Graphical NAVAID NOTAM - Red - Details





Graphical Field Condition (FICON) NOTAMs are displayed on the Map or Chart to assist in navigation. The NOTAMs are displayed using a badge at the end of each runway with the numeric value of the surface condition and braking action for each third of the runway (touchdown, midpoint, and rollout). The FICON score is based upon the FAA's Runway Condition Assessment Matrix.

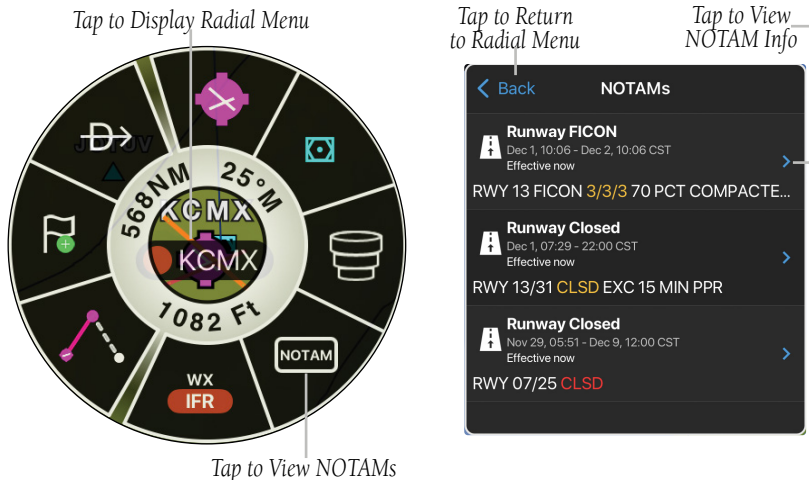
## Viewing Graphical Field Condition (FICON) NOTAMs:

- 1) From any page, tap **Home** >  >  > **NOTAMs**.

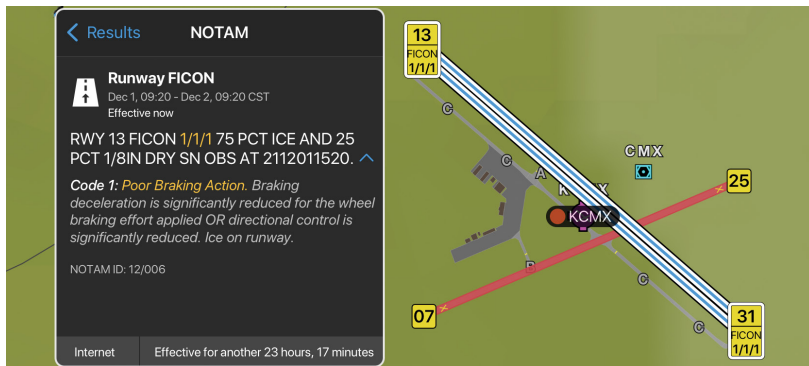
**Or:**

From the Flight Planning page tap  > **NOTAMs**.

- 2) Tap on the desired Aiport in the Map Pane until the Radial Menu appears.
- 3) Tap  to view the 'NOTAMs' dialogue box.
- 4) Tap the desired NOTAM from the list to highlight and view details.
- 5) Tap **Back** to return to the Radial Menu, if desired.
- 6) Tap outside of the dialog box and/or Radial Menu to exit.



Radial Menu - NOTAM - FICON



Airport Info - NOTAMs Tab - View on Map - FICON

Graphical Fuel Unavailable NOTAMs are displayed on the Map, Chart, Airport Information, Safe Taxi, and NOTAM widget when using Split Screen. When fuel prices are enabled on the dynamic map, the Fuel Unavailable NOTAM is displayed as a badge with a red warning triangle and a strikethrough on the reported price ~~\$4.99~~ **FUEL N/A**. On the Airport Information page, Fuel Unavailable NOTAMs may be viewed by tapping the NOTAM banner displayed across the top of the page, as well as within the FBO tab.

### Viewing Graphical Fuel Unavailable NOTAMs:

- 1) From any page, tap **Home** >  >  > **NOTAMs** > **Fuel Prices**.

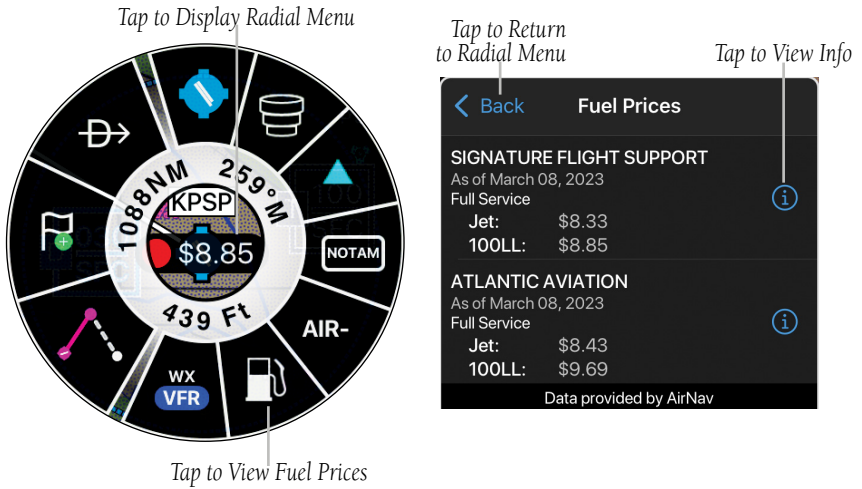
Or:

From the Flight Planning page tap  > **NOTAMs** > **Fuel Prices**.

- 2) Tap on the desired Airport and related fuel price in the Map Pane until the Radial Menu appears.
- 3) Tap **NOTAM** to view the 'NOTAM' dialogue box.

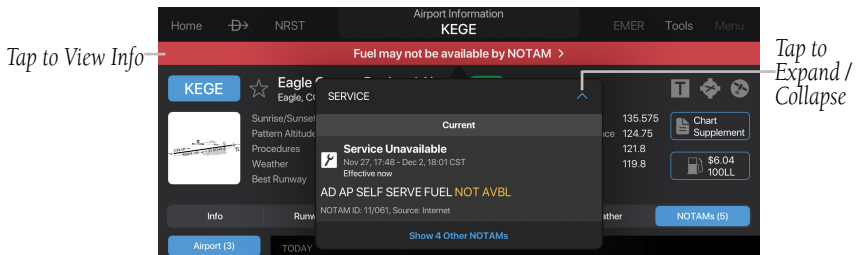
Or:

- 4) Tap to view Fuel Prices dialogue box.
- 5) Tap **Back** to return to the Radial Menu, if desired.
- 6) Tap outside of the dialog box and/or Radial Menu to exit.



**Radial Menu - Fuel Prices**

Or: Tap the Airport icon then the NOTAM banner to view details.



**Airport Info - NOTAM - Fuel Unavailable**





For the vast majority of airports in the United States, Garmin Pilot displays graphical Taxiway and Apron NOTAMs on the Map, Chart, Airport Information, Safe Taxi, and NOTAM widget when using Split Screen. When the NOTAM overlay is enabled, the taxiway or apron closed by NOTAM is depicted with hash lines using the following color classifications:

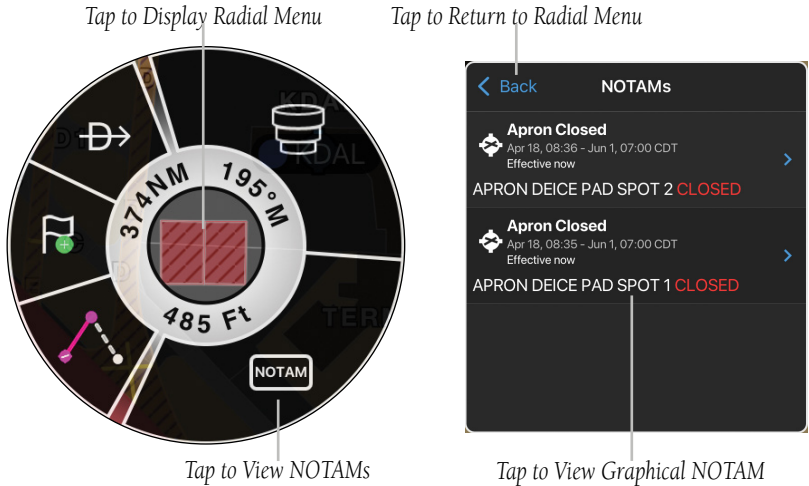
- Red = Area closed.
- Orange = Area is closed with conditions that require further investigation, e.g. specific location.
- Yellow = Upcoming closure.

### Viewing Taxiway and Apron Graphical NOTAMs:

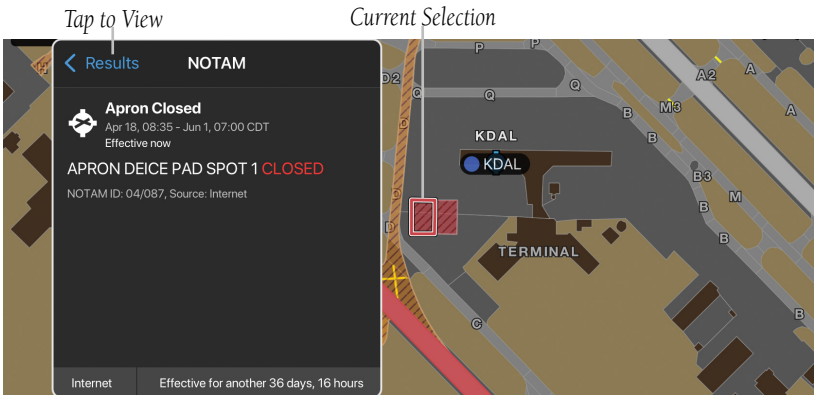


**NOTE:** The FAA provides graphical NOTAM information for appx. 70% of the airports in the United States.

- 1) From any page, tap **Home** >  >  > **Map/Chart** > **VFR**.
- 2) Tap  > **Overlays** > **NOTAMs**.
- 3) Zoom into the desired airport to view available Taxiway and/or Apron graphical NOTAMs.
- 4) Tap near the desired graphical NOTAM until the Radial Menu appears.
- 5) Tap  to view the 'NOTAM' dialogue box. The selected NOTAM is now highlighted.
- 6) If there are multiple NOTAMs available, tap the desired NOTAM in the NOTAM dialogue box to highlight the graphical NOTAM and view details.
- 7) If there are multiple NOTAMs available, tap **Results** to return to the previous NOTAM dialogue box.
- 8) Tap **Back** to return to the Radial Menu.
- 9) Tap outside of the Radial Menu to exit.



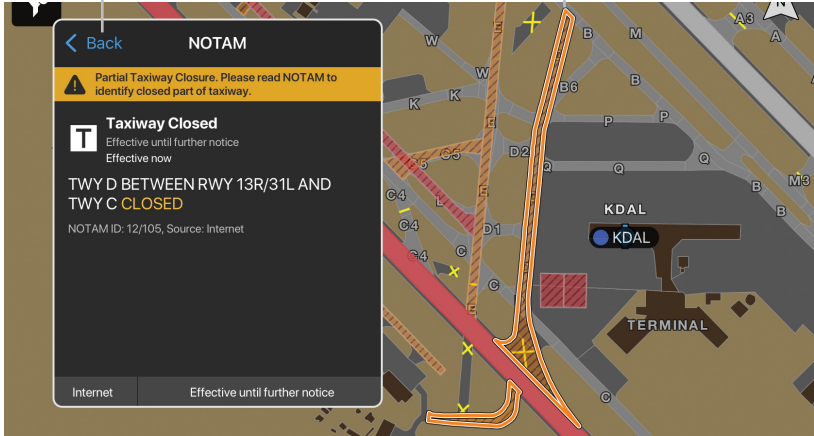
**Radial Menu - Graphical NOTAMs - Apron Closed - Deice Pad**



**Graphical NOTAMs - Apron Closed - Deice Pad Spot 1**



Tap to Return to Radial Menu

Current Selection

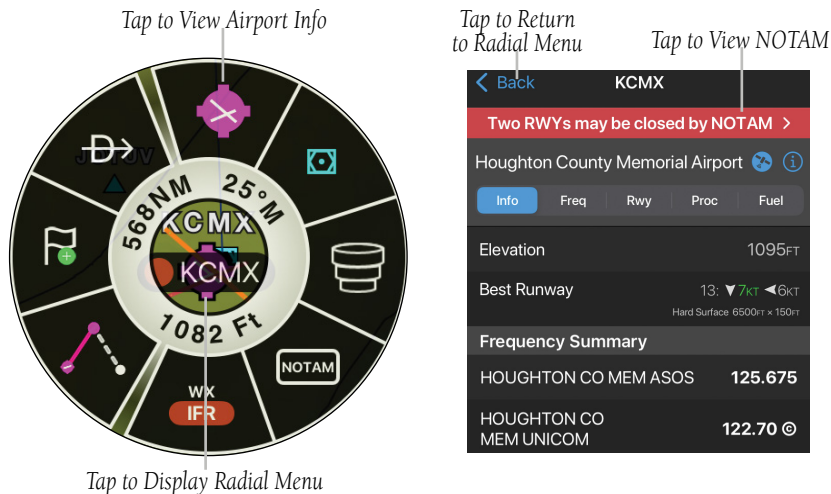


Graphical NOTAMs - Taxiway Closed

## Viewing NOTAMs in Airport Information from the Radial Menu:

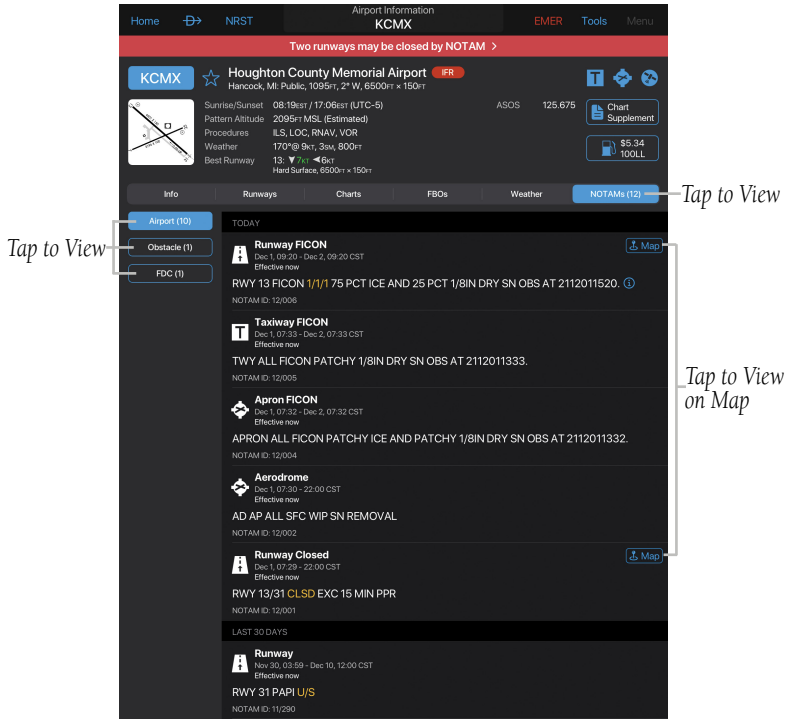
- 1) From any page, tap **Home** > .
- 2) Tap near the desired Airport in the Map Pane until the Radial Menu appears.
- 3) Tap the Airport icon >  > **NOTAMs**.

**Or:** Tap the Airport icon then the NOTAM banner to view details.



### Radial Menu - Airport Info - Graphical NOTAMs Annunciator Bar

- 4) From the Airport Info Page, tap the NOTAM banner to view details (e.g. Runway Closure).
- Or:** Tap **NOTAMs** > **Airport**, **Obstacle**, or **FDC** tab to view applicable NOTAMs.





Airport Info - NOTAMS Tab - Airport - FICON

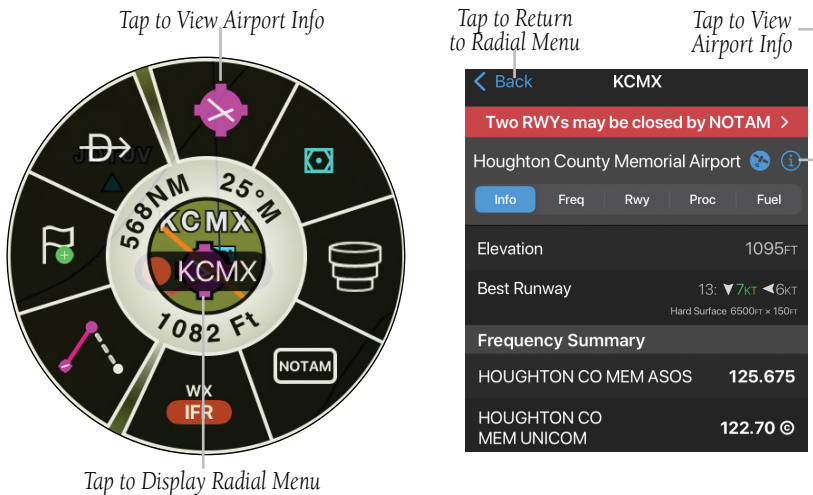


**NOTE:** When a runway is closed, the textual NOTAM will be highlighted in red. When a taxiway is closed, the textual NOTAM will be highlighted in yellow. Specific keywords, e.g. U/S, UNAVBL, will be highlighted in yellow.






## Viewing Airport Information from the Radial Menu:

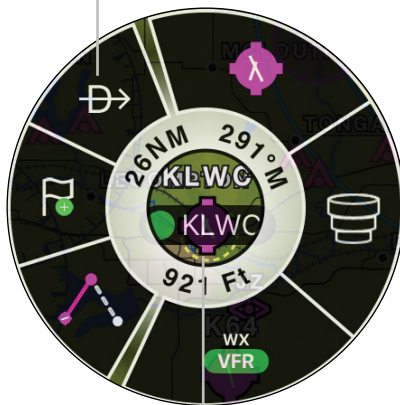
- 1) From any page, tap **Home** > .
  - 2) Tap near the desired Airport in the Map Pane until the Radial Menu appears.
  - 3) Tap the Airport icon.
  - 4) The Airport information window will always show the 'General' information, select **Freq**, **Runway**, **Proc**, or **Fuel** to view more information.
- Or:** Tap  to access the Airport Info Page.



## Navigating Direct To Using the Radial Menu:

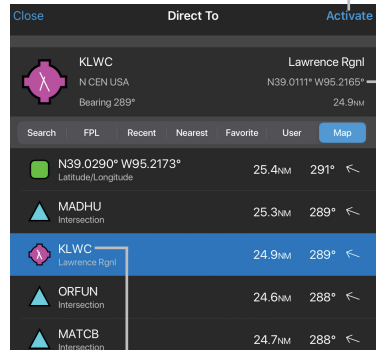
- 1) From any page, tap **Home** > .
  - 2) Tap the desired area in the Map Pane until the Radial Menu appears.
  - 3) Tap .
  - 4) Within the Direct To... dialog window choose one of the nearby Navigation Database features from the list.
- Or:** Choose a waypoint from one of the other tabs (e.g., Search, FPL, Recent, Nearest, or User).
- 5) Tap **Activate** to begin navigation.
  - 6) Tap  > **Clear** to stop Direct To navigation.

Tap to View Direct To Menu



Tap to Display Radial Menu


Tap to Activate

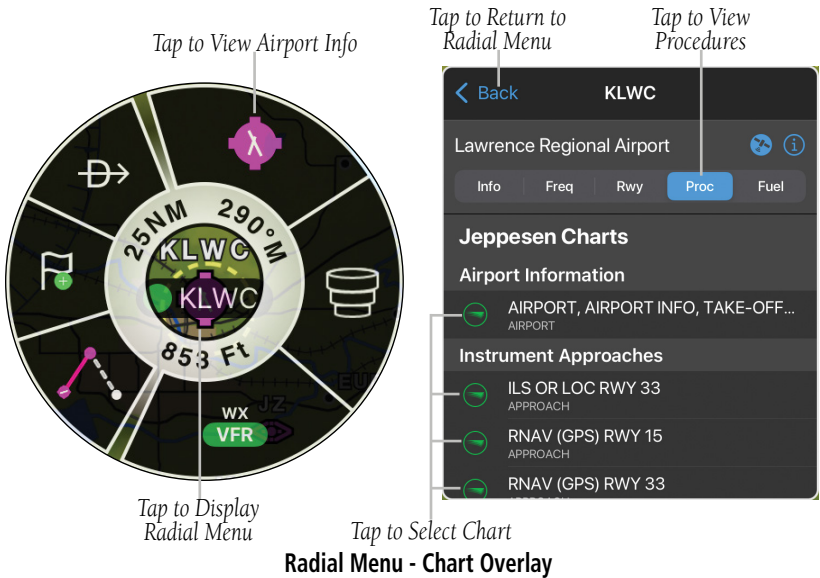


Tap to Select

### Radial Menu - Direct To

## Viewing Approach Procedure Chart Overlay On Moving Map:

- 1) From any page, tap **Home** > .
- 2) Tap near the desired Airport in the Map Pane until the Radial Menu appears.
- 3) Tap the Airport icon.
- 4) Tap the **Proc** tab.
- 5) Tap the desired approach.



Tap to View Airport Info

Tap to Return to Radial Menu


Tap to View Procedures

Tap to Display Radial Menu

Tap to Select Chart

### Radial Menu - Chart Overlay

### Customizing an Overlaid Procedures Chart:



- 1) While an IAP chart is visible, tap  on the upper left corner of the chart.
- 2) Tap the **Bottom**, **Default**, or **Top** buttons to display the chart on top or bottom of Map Pane.
- 3) Slide the **Opacity** slider to adjust the image contrast of the overlaid chart on the Map Pane.
- 4) Tap the **View in Binders** button to view the selected chart only.
- 5) Tap the **Map** button in the chart binder view to display the selected chart overlaid on the Map Pane.



### Removing an Overlaid Approach Procedures Chart:

- 1) While an IAP chart is visible, tap  on the upper left corner of the chart.
- 2) Tap **Remove**.




## GRAPHICALLY EDITING ROUTE

### Editing the Route Graphically:

- 1) From any page, tap **Home** > .
- 2) In the Map Pane, tap any flight plan waypoint or flight plan leg until the Radial Menu appears.
- 3) Tap  to graphically edit the flight plan. The Radial Menu disappears and the 'Graphical Flight Plan Edit Mode' blue banner appears just below the Control Bar.
- 4) Tap a flight plan leg and drag the flight plan leg to the desired location. Select a waypoint from the list of nearby navigation database waypoints, add latitude/longitude coordinates, insert a SAR, or create a User Waypoint.

- Or:** Long press an existing flight plan waypoint until the Delete Waypoint dialog is displayed. Tap **Delete Waypoint** to remove the waypoint from the flight plan.
- 5) Repeat step four for each flight plan leg to edit.
- 6) Tap  to revert all changes since entering Graphical Flight Plan Edit Mode.
- Or:** Tap  to begin a new graphical flight plan.
- 7) Tap **Cancel** to cancel or **Save** to save changes and exit Graphical Flight Plan Editing mode.

### Editing Departures or Arrivals Graphically:

- 1) From any page, tap **Home** > .
- 2) In the Map Pane, tap any flight plan waypoint or flight plan leg until the Radial Menu appears.
- 3) Tap  to graphically edit the flight plan. The Radial Menu disappears and the 'Graphical Flight Plan Edit Mode' blue banner appears just below the Control Bar.
- 4) Tap a Departure/Arrival flight plan leg or waypoint. The Edit SID/STAR dialog box appears.
- 5) Tap Delete SID/STAR to delete or select an alternate SID/STAR from the list and then select the desired transition from the submenu. If the selected flight plan leg is the first leg of a SID, the dialog box will allow the departure point to be deleted. If the departure point is deleted, the departure point and all waypoints associated with the SID are removed from the flight plan. The first waypoint after the SID becomes the departure point.
- 6) Tap  to revert all changes since entering Graphical Flight Plan Edit Mode.
- 7) Tap **Cancel** to cancel or **Save** to save changes and exit Graphical Flight Plan Editing mode.

Graphical Flight Plan Editing Mode  
Save or Cancel

List of Nearest Waypoints  
Tap to Filter Data



Rubber Band Undo Start New Flight Plan

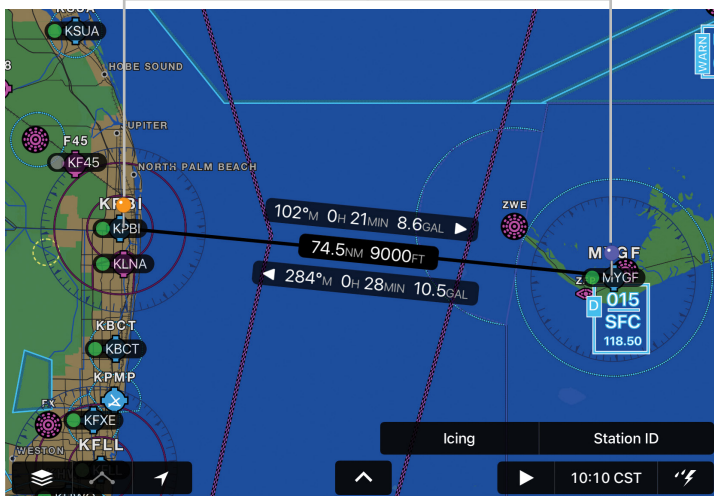
Graphical Flight Plan Editing

## DISTANCE MEASURING TOOL

The Distance Measuring Tool provides a quick and easy way to measure the distance between two points on the map. Simply drop two fingers onto the map display at the same time and hold both fingers on the display, a black line will appear. While holding both fingers on the map place one arrow on a point and the other arrow on another point and then remove both fingers from the map. Two push pins are placed on the map, showing distance and to/from bearing information, Estimated Time Enroute (ETE), fuel burn and altitude for the direction of flight. Adjust the push pins as necessary. Tap anywhere else on the display to remove the Distance Tool.

When in Planning Mode, time comes from the Flight Plan Estimated Time of Departure (ETD) and altitude comes from the Flight Plan. When in Navigating Mode, current time is used for the departure time and altitude is the current GPS derived altitude.

*Tap Two Points Simultaneously, Then Adjust as Necessary*



**Distance Measuring Tool**

## SPLIT-SCREEN

The split-screen option allows the Map Page to be divided between the Map Pane and the following options:



Widgets



Charts



Terrain



FltPlan.com



Synthetic Vision



Flight Plan



Flight Profile



Panel



Safe Taxi



Checklists



Documents



Traffic



Scratch Pad

### Split-Screen Map Pane Controls



The split-screen feature is available in either portrait or landscape screen orientation. When in split-screen, the Map Pane and the split pane function independently essentially providing two independent viewing areas. The Map Pane is always visible and will either be displayed on the top or left side of the display depending on the device orientation.



## SPLIT-SCREEN SELECTOR

The split-screen selector provides access to the split-screen features on the Map page.

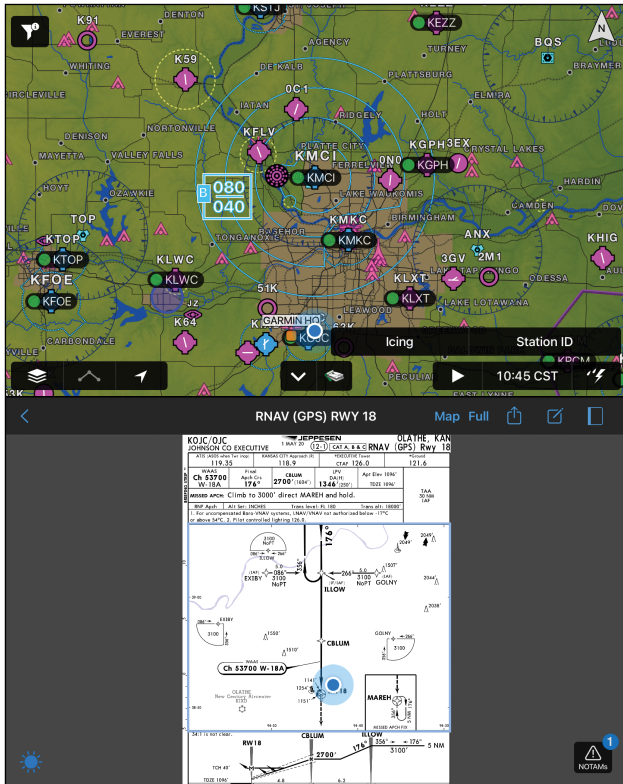
### Using the Split-Screen Selector:

- 1) From any page, tap **Home** > .
- 2) Tap **Menu** > **Split Screen** or tap  to view the split-screen selector in portrait view.
- 3) Select the desired item to be displayed in the split-screen view.





## SPLIT-SCREEN (CHARTS, SAFETAXI, TRAFFIC, TERRAIN)

Charts, SafeTaxi, Traffic, and Terrain when viewed in split-screen have the same function, navigation, and capabilities as the full screen versions of these products.





Split Screen - Charts (Portrait)

## SPLIT-SCREEN (SYNTHETIC VISION)

Synthetic Vision can be displayed in split-screen mode for enhanced situational awareness. Split-screen mode can be viewed from either the  or  icon on the Home Menu.

### Viewing Split-Screen Synthetic Vision from the Map page:

- 1) From any page, tap **Home** > .
- 2) Tap **Menu** > **Split Screen**.


**Or:** Tap  to view the split-screen selector in portrait view or tap  to view the split-screen selector in landscape view.

- 3) Tap the  tab.



Split Screen Synthetic Vision (Landscape)

## Viewing Split-Screen features from the SynVis page:

- 1) From any page, tap **Home** > .
- 2) Tap **Menu** > **Split Screen**.

**Or:** Tap  to view the split-screen selector in portrait view or tap  to view the split-screen selector in landscape view.

- 3) Select the desired item to be displayed in the split-screen view.





Split Screen Synthetic Vision (Portrait)

## SPLIT-SCREEN (FLIGHT PROFILE)

Flight Profile is only available in split-screen and may be configured to show your flight plan plus terrain clearance, highest point, winds aloft, icing, airspace boundaries, TFR's, cloud layers, ceilings, PIREP's, traffic, and hazards. You can view this information in either Flight Plan or Track mode.



### Viewing Flight Profile:

- 1) From any page, tap **Home** > .
- 2) Tap **Menu** > **Split Screen** > **Flight Profile**.
- 3) Tap  to hide Flight Profile.



Split Screen - Flight Profile (Landscape)

### Configuring Flight Profile:

- 1) From any page, tap **Home** > .
- 2) Tap **Menu** > **Split Screen** > **Flight Profile**.
- 3) Tap  to view and adjust display settings as desired.

Tap to Collapse Split-Screen

Tap to View Highest Point Terrain Clearance

Highest Terrain

Tap to View Winds Aloft

Highest Obstacle

Tap to View Airspace


Tap to View Display Settings

Split Screen - Flight Profile (Portrait)


## SPLIT-SCREEN (PANEL)

The Panel is only available in split-screen and may be configured to show navigation parameters and virtual gauges in one of four selectable views. Panel configuration selection button/indicators are located at the bottom right of the panel.

### Viewing the Panel:

- 1) From any page, tap **Home** > .
- 2) Tap **Menu** > **Split Screen** > **Panel**.
- 3) Select one of the four panel views options.
- 4) Tap  to hide the Panel.

### Configuring the Panel:

- 1) From any page, tap **Home** > .
- 2) Tap **Menu** > **Split Screen** > **Panel**.
- 3) Select one of the three panel options with Navigation Data Fields.
- 4) Tap any one of the fields and select one of the options from the list.

Navigation Data	Description
Accuracy (Horizontal)	The current accuracy of the GPS determined location.
Accuracy (Vertical)	The current accuracy of the GPS determined location.
GPS Altitude	The geometric altitude above Mean Sea Level (MSL) in feet.
GPS Altitude AGL	The current GPS altitude or geometric height Above Ground Level (AGL) in feet. (Requires terrain download.)
Bearing	The compass direction from the present position to a destination waypoint.
Biometric Data	Various data points from the user, collected and displayed.
Desired Track	The ground track desired for route of flight.

Navigation Data	Description
Cross Track Error	The distance and direction, left or right, the aircraft is from the desired course in nautical miles.
Distance (Dest)	The distance to the destination waypoint in the Active Flight Plan.
Distance (Next)	The distance to the next waypoint in the Active Flight Plan.
ETA (Dest)	The estimated time at which the aircraft should reach the destination waypoint, based upon current speed and track.
ETA (Next)	The estimated time at which the aircraft should reach the next waypoint, based upon current speed and track.
ETE (Dest)	The estimated time it takes to reach the destination waypoint from the present position, based upon current ground speed.
ETE (Next)	The estimated time it takes to reach the next waypoint from the present position, based upon current ground speed.
Ground Speed	The velocity the aircraft is traveling relative to the ground.
Latitude	Current latitude.
Longitude	Current longitude.
Next Waypoint	Next waypoint on the route of flight.
Pitch	Current pitch. (GDL 39 3D, Flight Stream 210, or Flight Stream 510 only)
Roll	Current roll. (GDL 39 3D, Flight Stream 210, or Flight Stream 510 only)
Time (UTC)	Current time. (Coordinated Universal Time)
Track	The direction of aircraft movement relative to the ground.
Vertical Speed	The rate of climb or descent (GPS-derived).
WX-Station	Facility on land or sea, with instruments and equipment for measuring atmospheric conditions to provide information for weather forecasts.
WX-Altitude	The altimeter setting at the nearest METAR reporting station.
WX-Ceiling	The ceiling at the nearest METAR reporting station.
WX-Visibility	The visibility at the nearest METAR reporting station.
WX-Wind	The wind speed and direction at nearest weather reporting station.

### Navigation Data Field Options



## PANEL - SPLIT-SCREEN (WITHOUT GDL 39 3D/FLIGHT STREAM 210)



Panel (without GDL 39 3D or Flight Stream 210/510)

## PANEL - SPLIT-SCREEN (WITH GDL 39 3D OR FLIGHT STREAM 210/510)



**NOTE:** The GDL 39 3D or Flight Stream 210 attitude information is only to be used as an aid and should not be used as a primary attitude indicator.



**NOTE:** Extreme attitudes may degrade the GDL 39 3D or Flight Stream 210 accuracy.

The optional GDL 39 3D is a portable ADS-B receiver with added attitude (pitch and roll) functionality.



The optional Flight Stream 210 and Flight Stream 510 are wireless Bluetooth gateways with added attitude (pitch and roll) functionality.

When connected to the GDL 39 3D, Flight Stream 210, or Flight Stream 510, Garmin Pilot will display a backup Attitude Indicator on the Panel, as well as weather and traffic. 'Pitch' and 'Roll' become available options for the Nav Bar on the Map Pane, and Navigation Data on the Panel.



Panel (with GDL 39 3D or Flight Stream 210/510)

## Swapping the Attitude Indicator and HSI position:

- 1) From any page, tap **Home** > .
- 2) Tap **Menu** > **Split Screen** > **Panel**.
- 3) Tap  to swap the position of the Attitude Indicator and the HSI.

Tap to Swap  
Attitude  
Indicator  
& HSI



BEFORE SWAP



AFTER SWAP  
Attitude Indicator/HSI Swap

The leveling adjustments for pitch and tilt angles are performed automatically when the unit is powered on. However, if the unit moves or falls off the dash, it may be necessary to command the GDL 39 3D to perform the leveling process.

### Leveling the GDL 39 3D:

With the Panel displayed, tap **Reset Pitch/Roll** on the bottom right of the Attitude Indicator.



Panel (with GDL 39 3D)

## SPLIT-SCREEN (FLIGHT PLAN)

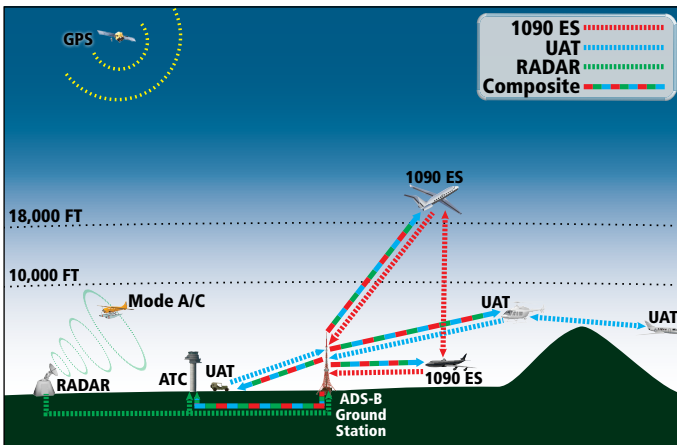
When the Flight Plan is displayed in split-screen it provides the same information as displayed on the Flight Plan Page. When viewing the Flight Plan in Portrait all four of the configurable data fields are visible, but when viewed in Landscape only two data fields are available.



## DATA LINK TRAFFIC (OPTIONAL)

The GDL 39 and the GTX 345 are Bluetooth® enabled receive-only data link radios with on-board GPS, Universal Access Transceivers, and Extended Squitter. They are designed to receive, process, and output traffic (ADS-B air-to-air and TIS-B traffic information) and weather (Flight Information Service-Broadcast (FIS-B)) information to Garmin Pilot through Bluetooth.

ADS-B (Automatic Dependent Surveillance-Broadcast) is a surveillance technology deployed across the United States as the cornerstone of the FAA's Next Generation Air Transportation System (NextGen). ADS-B enables improved surveillance services, both air-to-air and air-to-ground, especially in areas where radar is ineffective due to terrain or where it is impractical or cost prohibitive. Initial applications of air-to-air ADS-B are for "advisory" use only, enhancing a pilot's visual acquisition of other nearby ADS-B equipped aircraft either when airborne or on the airport surface.



ADS-B System

For the purpose of distinguishing between levels of ADS-B service, there are three classifications of aircraft or system capability; ADS-B In, ADS-B Out, and ADS-B participating. ADS-B In refers to the capability to receive ADS-B information. ADS-B Out refers to the capability to transmit ADS-B information. ADS-B participating refers to the capability to both send and receive ADS-B information. Aircraft lacking either ADS-In, ADS-B Out, or both ADS-B capabilities may also be referred to as ADS-B non-participating aircraft.

Currently, rule-compliant ADS-B Out capability in the United States requires a TSO'ed SBAS-enabled GPS, such as a Garmin GPS 400W or similar, and one of two possible data links: 1090 ES transponder or a 978 MHz UAT. Either data link system is capable of transmitting the aircraft's position, velocity, identification, and other information every second to compatible aircraft and ground stations called Ground Based Transceivers (GBTs).

Because 1090 ES transponders and UATs operate on different frequencies, aircraft not similarly equipped cannot transmit/receive data link information directly to/from each other. Instead, operation within range of a GBT is required to receive data link information on both frequencies. The GDL 39 and the GTX 345 are unique in their ADS-B In capability since it can receive data link information from both 1090 ES transponders and UATs.

Thus, the GDL 39 and the GTX 345 receive traffic information directly from any ADS-B Out aircraft within range as well as the rebroadcast of ADS-B information from any nearby GBT. This rebroadcast is called Automatic Dependent Surveillance-Rebroadcast (ADS-R) and is automatically triggered by the detection of an ADS-B participating aircraft within the service volume of the GBT. As a 978 MHz (UAT frequency) receiver, the GDL 39 and the GTX 345 can receive both the Traffic Information Service-Broadcast (TIS-B) and Flight Information Service-Broadcast (FIS-B) provided in conjunction with ADS-R services when in range of a GBT.

FIS-B service is provided continuously, but ADS-R including TIS-B will only be broadcast by a GBT when an ADS-B participating aircraft is within the GBT's defined service volume. In this case, a GBT will only rebroadcast TIS-B information relative to the ADS-B participating aircraft. **Only traffic that is within 15 nm lateral and 3,500 ft vertical of the ADS-B participating aircraft is provided in the broadcast.** Non-participating traffic aircraft located farther than 15 nm laterally and 3,500 ft vertically from the participating aircraft is excluded from the information transmitted by the GBT. TIS-B traffic information includes non-participating aircraft detected by ATC surveillance radar. As TIS-B data is derived from ATC surveillance radar data, TIS-B traffic position updates typically occur every three to thirteen seconds. **Therefore, TIS-B traffic may be displayed with degraded positional accuracy. Aircraft without operating transponders are invisible to TIS-B. Aircraft operating outside of the ATC radar coverage area are also not displayed.**

Since the GDL 39 and GTX 345 are receive-only devices, even when used onboard an aircraft equipped with a qualifying GPS and 1090 ES transponder, a GBT may not identify it as an ADS-B participating aircraft. The squitter of some 1090 ES transponders, including the Garmin GTX 23ES, must be configured to communicate the aircraft has 978 MHz receive capability in order to be identified as an ADS-B participating aircraft.



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**WARNING:** Do not rely solely upon the display of traffic information for collision avoidance maneuvering. The traffic display does not provide collision avoidance resolution advisories and does not under any circumstances or conditions relieve the pilot's responsibility to see and avoid other aircraft.

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**WARNING:** Do not rely solely upon the display of traffic information to accurately depict all of the traffic within range of the aircraft. Due to lack of equipment, poor signal reception, and/or inaccurate information from aircraft or ground stations, traffic may be present that is not represented on the display.

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## SYSTEM STATUS

The traffic system status is announced in the upper left corner of the Map Page, as well as the lower left corner of the dedicated Traffic Page.







System Status	Traffic Icon
Receiving Air-To-Air targets from aircraft transmitting ADS-B out on either UAT or 1090 data link. You are receiving TIS-B traffic information for traffic within 15 nm and 3,500' of a rule compliant participating aircraft.	
Receiving Air-To-Air targets from aircraft transmitting ADS-B out on either UAT or 1090 data link. You will typically receive TIS-B coverage within a minimum of 3 NM (+/- 1,000 ft) of your current position. Other ADS-B participants not compliant with the latest ADS-B software specifications often trigger full TIS-B uplink services. Performance may vary between ground stations.	
Receiving Air-To-Air targets from aircraft transmitting ADS-B out on either UAT or 1090 data link. With degraded TIS-B. You may see traffic targets, but the coverage is incomplete and cannot be relied upon.	
Receiving Air-To-Air targets from aircraft transmitting ADS-B out on either UAT or 1090 data link. You are not receiving TIS-B traffic information.	
Not receiving Air-To-Air targets from aircraft transmitting ADS-B out on either UAT or 1090 data link. You are not receiving TIS-B traffic information.	







### Traffic Modes



## TRAFFIC DESCRIPTION

ADS-B traffic operation is similar to other traffic systems, but ADS-B adds additional symbology. The symbols used to display ADS-B traffic are shown in the table below. The traffic identifier and altitude are displayed below the traffic symbol. A small up or down arrow next to the traffic symbol indicates the traffic is climbing or descending at a rate of at least 500 feet per minute. The vector line that extends beyond the point of the traffic arrow is just further indication of the aircraft's track.

Symbol	Description
	Non-threat, non-directional airborne traffic
	Directional airborne Traffic with track vector. Points in the direction of the aircraft track.
	Non-directional airborne Proximity Advisory (PA). Proximity Advisories are issued for any traffic within 6 nautical miles and +/- 1,200 ft.
	Directional airborne Proximity Advisory (PA) with track vector. Points in the direction of the aircraft track. Proximity Advisories are issued for any traffic within 6 nautical miles and +/- 1,200 ft.
	Non-directional airborne Traffic Advisory (TA)
	Non-directional off-scale airborne Traffic Advisory (TA). Displayed at outer range ring at proper bearing.

Symbol	Description
	Directional airborne Traffic Advisory (TA) with track vector. Points in the direction of the aircraft track.
	Directional off-scale airborne Traffic Advisory (TA). Points in the direction of the aircraft track.
	Ground traffic without directional information.
	Directional surface traffic.
	Non-directional non-aircraft ground traffic.
	Directional non-aircraft ground traffic.

### ADS-B Traffic Symbology

## TRAFFIC ALERTS (TA)

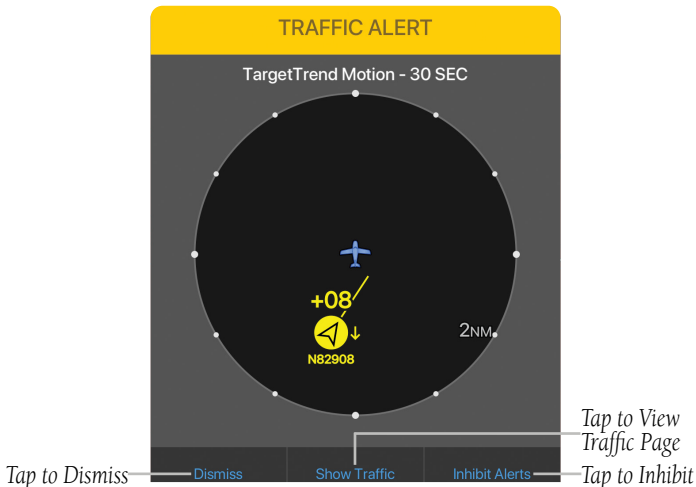
The GDL 39 automatically adjusts its Traffic Alert (TA) sensitivity level to reduce the likelihood of false TAs during various phases of flight. TAs are issued for traffic when they are predicted to be within a specified volume of airspace around your aircraft in a specified amount of time. The protected volume and time interval varies based on the current geodetic altitude and groundspeed. Thus, the protected volume of airspace increases with altitude and ground speed. Refer to the following table for details.

A Traffic Alert pop-up is displayed when alerts are enabled, the aircraft is flying above 40 kts, and Garmin Pilot is not on the Traffic Page. When Audio alerts are enabled a 'Traffic' voice alert is also issued. Pinch zoom gestures on both full screen and split screen traffic pages will change the range of the traffic displayed.

Traffic may also be displayed in Relative or Absolute Altitude if desired.


Altitude (Geodetic)	Look Ahead Time (sec.)	Vertical Separation (ft.)	Horizontal Separation (nm.)
Below 5,000	30	+/-850	.35
5,000-10,000	40	+/-850	.55
10,000-20,000	45	+/-850	.80
20,000-42,000	48	+/-850	1.10
Above 42,000	48	+/-1,200	1.10

**Traffic Alerts**



**Traffic Alert Pop-up**

### Enabling/disabling Traffic Alerts:

- 1) From any page, tap **Home** >  > **Alerts**.
- 2) Tap the **General** Tab.
- 3) Use the slider to select **Traffic Alerts** On/Off.

### Enabling/disabling traffic data on the Map Page:

- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays** > **Traffic**.

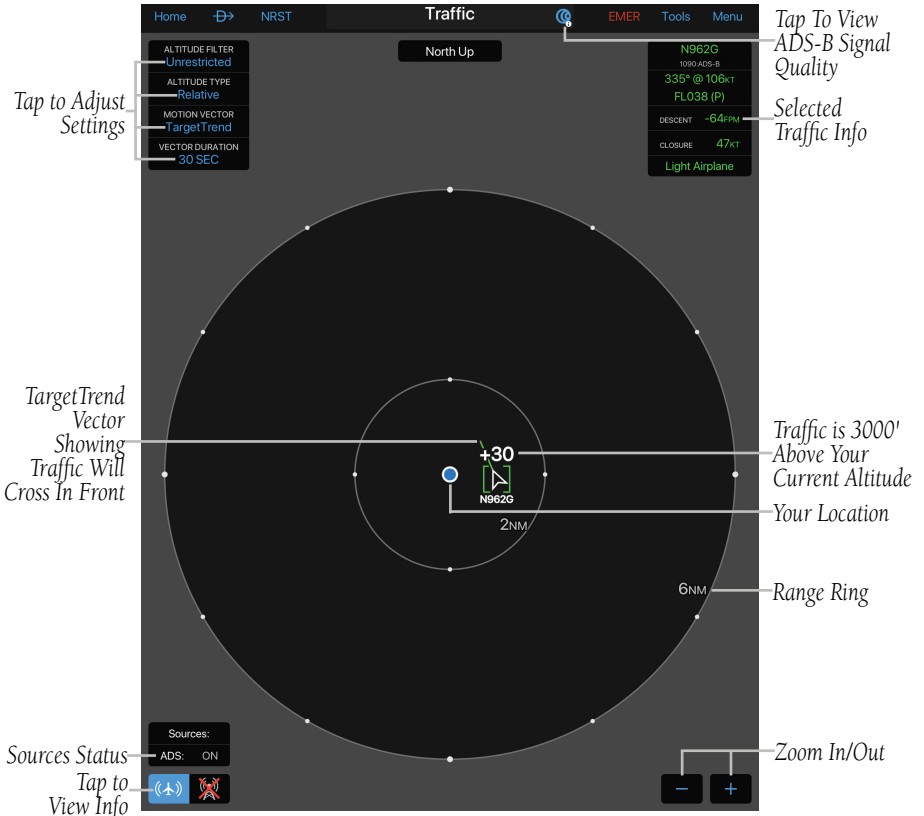
### Viewing the Traffic Page:

- 1) From any page, tap **Home** > .
- 2) Tap   to change the range for the traffic rings.

**Or:** Use pinch zoom gesture.

### Changing the altitude range:

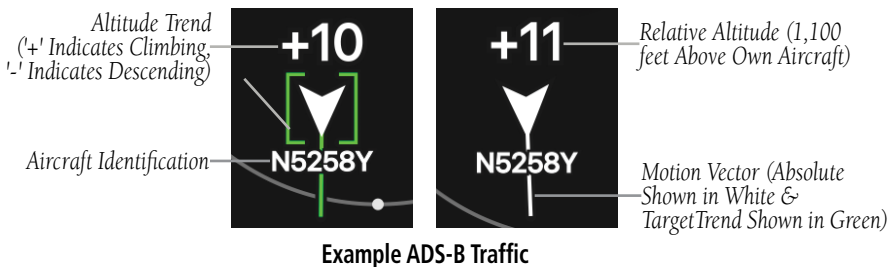
- 1) On the Traffic Page, Tap **Altitude Filter**.
- 2) Tap one of the following options:
  - **Unrestricted:** All available traffic is displayed.
  - **Above:** Displays non-threat and proximity traffic from 9000 feet above the aircraft to 2700 feet below the aircraft. Typically used during climb phase of flight.
  - **Normal:** Displays non-threat and proximity traffic from 2700 feet above the aircraft to 2700 feet below the aircraft. Typically used during enroute phase of flight.
  - **Below:** Displays non-threat and proximity traffic from 2700 feet above the aircraft to 9000 feet below the aircraft. Typically used during descent phase of flight.



Traffic Page - TargetTrend Vectors


## FLIGHT ID DISPLAY AND MOTION VECTOR

The Flight IDs of other aircraft (when available) can be displayed on the Traffic Page. When a flight ID or call sign is received, it will appear below the corresponding traffic symbol when enabled. Traffic ground track is indicated on Garmin Pilot by the Motion Vector, a short line, extending in the direction of target movement or relative movement. The track vector has two settings, TargetTrend™ shown as a green vector, or Absolute shown as a white vector. Absolute vectors extend from the traffic symbol showing the traffic's ground track. TargetTrend traffic vectors are displayed relative to your position and ground speed. For example if traffic is ahead of you and traveling in the same direction but at a slower ground speed, the motion vector would point opposite of its direction of flight, indicating that you are overtaking the traffic. Thus, the TargetTrend motion vector is relative to you, where absolute motion vectors are based on the traffic's speed and direction. The end of the Motion Vector represents the predicted absolute or relative location of the traffic, based the traffic's reported track, ground speed and the Vector Duration setting (15, 30, 60, or 120 seconds).



**NOTE:** Traffic Altitude Filters and Motion Vector settings can only be changed on the dedicated Traffic Page. The Altitude Filter and Motion Vector settings from the Traffic Page will be used on the Map Page as well.

## Enabling/disabling Flight ID Display:

- 1) From any page, tap **Home** > .
- 2) Tap **Menu** > **Show Tail Numbers**.

## Changing the Motion Vector:

- 1) From any page, tap **Home** > .
- 2) Tap the Motion Vector field in the upper left corner of the Traffic Page and select either **TargetTrend** or **Absolute**.

## Changing the Vector Duration:

- 1) From any page, tap **Home** > .
- 2) Tap the Vector Duration field in the upper left corner of the Traffic Page and select **15**, **30**, **60**, or **120** seconds.

## DATA LINK WEATHER (FIS-B)




**WARNING:** Do not use the indicated data link weather product age to determine the age of the weather information shown by the data link weather product. Due to time delays inherent in gathering and processing weather data for data link transmission, the weather information shown by the data link weather product may be significantly older than the indicated weather product age.



**WARNING:** Do not use data link weather information for maneuvering in, near, or around areas of hazardous weather. Information contained with in data link weather products may not accurately depict current weather conditions.


The GDL 39 and GTX 345 can also receive and, when connected to Garmin Pilot, display Flight Information Service-Broadcast (FIS-B). FIS-B is a subscription-free weather service that is broadcast by Ground Based Transceivers (GBTs) over the 978 MHz UAT frequency band as part of the FAA's Next Generation Air Transportation System (NextGen). To receive FIS-B weather information, the GDL 39 and GTX 345 must be within range and line-of-sight of an operating GBT. Reception may be affected by factors including altitude or terrain. GDL 39 and GTX 345 supported FIS-B weather products include METARs, TAFs, NEXRAD (Regional and CONUS), AIRMETs, SIGMETs, PIREPs, Winds and Temperatures Aloft, and NOTAMs (including TFRs).

### Viewing FIS-B Weather product and Ground Station Status:


- 1) From any page, tap **Home** > .
- 2) Tap the **ADS-B** Tab.



## FIS-B WEATHER PRODUCTS

FIS-B weather broadcasts are updated regularly and may take approximately ten minutes to transmit all available weather data. Therefore, not all available weather data is immediately available. No pilot action is required to receive FIS-B weather information. Weather product status can be viewed by tapping **Home** >  > **Data Services** Tab > **Local Weather Data Status**.

When a FIS-B weather product is active on a map or in a Weather Widget, the age of the data is displayed. The age of the product is based on the time difference between when the data was assembled on the ground and the current GPS time. Garmin Pilot combines the CONUS and Regional Radar into one map overlay, the time shown is for the Regional Radar product only.



METAR ▼ KLWC ▼

Lawrence Rgnl MVFR

Wind 340°@9KT

Ceiling 1,800FT

Visibility 10SM

WX ---

Temp 77°F (ISA+20)

Dewpoint 70°F

Altimeter 30.07IN

Density Alt 2349FT

Clouds 1,800FT ● Overcast

KLWC 081952Z AUTO 34009KT 10SM  
OVC018 25/21 A3007 RMK AO1 SLP174  
T02500206

Internet 12 min old On Route

*Weather Product Source,  
Age & Relative Location*

### Weather Product Age and Source

## NEXRAD

Weather radar data is collected from radar sites across the United States. It is combined into a mosaic for easier display and analysis. Garmin Pilot combines the CONUS and Regional Radar FIS-B products into one map overlay (Radar (FIS-B)).

The radar data displayed is not real-time. The lapsed time between collection, processing, and dissemination of radar images can be significant and may not reflect the current radar synopsis. Due to the inherent delays and the relative age of the data, it should be used for long-range planning purposes only. Never use radar data to maneuver in or near areas of hazardous weather. Rather, use it in an early-warning capacity for pre-departure evaluation.

Composite data from radar sites in the United States is shown. Base Reflectivity, the lowest level radar scan can also be displayed. Base reflectivity best represents the precipitation falling from the clouds, while composite reflectivity combines the radar data from all altitudes into one view. Composite data is composed of the maximum reflectivity from the individual radar sweeps at different tilt angles of the radar beam with respect to the ground. The display of the information is color-coded to indicate the weather severity level. Colors are used to identify the different echo intensities (reflectivity) measured in dBZ (decibels or Z). "Reflectivity" (designated by the letter Z) is the amount of transmitted power returned to the radar receiver. The dBZ values increase as returned signal strength increases. Precipitation intensity is displayed using colors corresponding to the dBZ values.

## NEXRAD Abnormalities

There are possible abnormalities regarding displayed NEXRAD images. Some, but not all, of those include:

- Ground clutter
- Strokes and spurious radar data
- Sun strokes, when the radar antenna points directly at the sun
- Military aircraft deploy metallic dust (chaff) which can cause alterations in radar scans
- Interference from buildings or mountains, which may cause shadows
- Poor reception from Ground Based Transceivers (GBTs) can cause portions of the received radar imagery to not be displayed

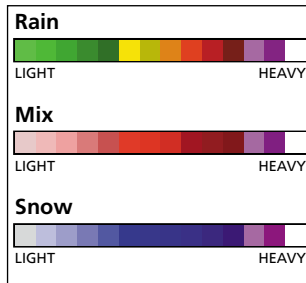
## NEXRAD Limitations

Certain limitations exist regarding the NEXRAD radar displays. Some, but not all, are listed for the user's awareness:

- NEXRAD base reflectivity does not provide sufficient information to determine cloud layers or precipitation characteristics (hail vs. rain). For example, it is not possible to distinguish between wet snow, wet hail, and rain.
- Radar base reflectivity is sampled at the minimum antenna elevation angle. An individual radar site cannot depict high altitude storms at close ranges, and has no information about storms directly over the site.
- Radar coverage in Canada is only available in the southern 1/4 of the country.

## NEXRAD INTENSITY

Colors are used to identify the different NEXRAD echo intensities (reflectivity) measured in dBZ (decibels of Z). “Reflectivity” (designated by the letter Z) is the amount of transmitted power returned to the radar receiver. The dBZ values increase as returned signal strength increases. Precipitation intensity is displayed using colors corresponding to the dBZ values.









Radar Intensity

## WINDS ALOFT

Winds Aloft data shows the forecasted wind speed and direction at the surface and at selected altitudes. Altitudes can be displayed in 3,000-foot increments up to 42,000 feet MSL or up to 48,000 feet MSL with a Sirius XM connection.




Winds Aloft are displayed using wind barbs. The wind barbs indicate wind speed and direction and always point in the direction the wind is coming from. The wind speed is depicted using flags at the end of the wind barb. A short wind flag is 5 knots, a long wind flag is 10 knots, and a filled triangle is 50 knots. Wind barbs are also color coded to indicate wind speed.

The wind barbs always point in the direction the wind is coming from. The wind speed is depicted using flags at the end of the wind barb. A short wind flag is 5 knots, a long wind flag is 10 knots, and a triangle flag is 50 knots.


Icons	Description
	White indicates wind speeds of 20 kts or less.
	Cyan indicates wind speeds of 21-30 kts.
	Light yellow indicates wind speeds of 31-40 kts.
	Yellow indicates wind speeds of 41-50 kts.
	Orange indicates wind speeds of 51-80 kts.
	Red indicates wind speeds of 81 kts or greater.

**Winds Aloft Bars**

### Viewing Winds Aloft Information:

- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays** > **Winds Aloft**.
- 3) Tap  and use the slider to view forecast winds aloft.
- 4) Tap  and use the slider to select the desired altitude. Altitudes are displayed in 3,000-foot increments up to 42,000 feet MSL or up to 48,000 feet MSL with a Sirius XM connection.

### Viewing Winds/Temperatures Aloft:

- 1) From any page, tap **Home** > .
- 2) Tap **Menu** > **Split Screen** > **Widgets**.
- 3) Drag the Widgets from right to left to bring the **Add Widget** into view.
- 4) Tap **Add Widget**.
- 5) Select **Winds Aloft** from the list.

**Or:**

- 1) From any page, tap **Home** > .
- 2) Select the Weather Tab to view METAR, TAF, and Winds Aloft for the selected airport.


## METARS AND TAFS

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METAR (METeorological Aerodrome Report) is an international code used for reporting weather observations. METARs are updated hourly or as needed. METARs typically contain information about the temperature, dew point, wind direction and speed, precipitation, cloud cover, cloud heights, visibility, and barometric pressure. They can also contain information on precipitation amounts, lightning, and other critical data.

TAF (Terminal Area Forecast) is the standard format for 24-hour or 30-hour forecasts. TAFs may contain some of the same code as METAR data. It typically forecasts significant weather changes, temporary changes, probable changes, and expected changes in weather conditions. METAR and TAF data are displayed as raw and/or decoded text.

### Viewing METAR and TAF Information:

- 1) Create a Widget for METAR or TAF information on the Map Page. From any page, tap **Home** > .
- 2) Tap **Menu** > **Split Screen** > **Widgets**.
- 3) Tap **Add Widget**, Select METAR or TAF from the list of available Widgets. METAR or TAF information for the Departure Airports is displayed.
- 4) To view METAR or TAF information along the route of flight, drag the NavTrack button. Colored push-pins show the location for the corresponding METAR or TAF report.

### Or:


- 1) From any page, tap **Home** > .
- 2) Using the Radial Menu, select the airspace desired, then **Wx** to view TAF for the selected airport.

**Or:** On the Map page chose the 'Weather' overlay to view METAR or TAF information.

## MODEL OUTPUT STATISTICS (MOS)

Model Output Statistics (MOS) provides a forecast similar to a Terminal Aerodrome Forecast (TAFs), that is updated hourly and extends out 72 hours into the future. The MOS forecast is available for over 2,000 airports in the United States.


### Viewing MOS:

- 1) Create a Widget for MOS information on the Map Page. From any page, tap **Home** > .
- 2) Tap **Menu** > **Split Screen** > **Widgets**.
- 3) Tap 'Add Widget', select MOS from the list of available Widgets.

### Or:

- 1) From any page, tap **Home** > .
- 2) Select the **Weather** Tab to view MOS for the selected airport.

### Or:

- 1) From any page, tap **Home** > .
- 2) Using the Radial Menu, select the airspace desired, then **Wx** to view MOS for the selected airport.


**Or:** On the Map page chose the 'Weather' overlay to view MOS information.




## AREA FORECAST DISCUSSION

The Area Forecast Discussion (AFD) is a plain English narrative developed by meteorologists from the National Weather Service. It is designed to provide additional details that went into the preparation of the Terminal Aerodrome Forecast (TAF). The AFD contains both short and long-term analysis with an emphasis on aviation weather.

### Viewing Area Forecast Discussion:

- 1) Create a Widget for Area Forecast Discussion information on the Map Page. From any page, tap **Home** > .
- 2) Tap **Menu** > **Split Screen** > **Widgets**.
- 3) Tap 'Add Widget', select Forecast Discussion from the list of available Widgets.

### Or:

- 1) From any page, tap **Home** > .
- 2) Select the **Weather** Tab to view Area Forecast Discussion for the selected airport.

Tap to Change Widget Type

Tap to Change Airport

The screenshot displays two weather-related widgets. The left widget, titled 'Johnson County Executive' (MOS), shows a valid period from Tue 11:00 CDT to Fri 07:00 CDT. It lists current conditions: Wind 100°@9G15KT, Visibility Greater than 6SM, Clouds Above 12000FT, Precipitation None, Temp 67°F (ISA+11), and Dew Point 43°F. It also shows a forecast for Tue 12:00 CDT to 21:00 CDT with Wind 110°@9KT, Visibility Greater than 6SM, and Clouds Above 12000FT. The right widget, titled 'Forecast Discussion' (EAX), is for Kansas City/Pleasant Hill MO, issued on Apr 9, 03:30 CDT. The discussion text states: 'One more placid day is expected today before the weather becomes active for the next couple of days. Early this morning a weak cold front has just about exited the southern CWA where it will stall. Light north winds behind the front this morning will veer to the southeast by this afternoon and this will aid in highs rising into the 70s. Tonight a upper level trough will dig into the Great Basin region with an associated surface low developing across western Kansas. A stationary front (the stalled cold front that is passing through the CWA early this morning) will extend from the surface low across'. Both widgets include an 'Internet' status bar at the bottom.

## MOS & Area Forecast Discussion

## AIRMETS

An AIRMET (AIRmen's METeoroological Information) can be especially helpful for pilots of light aircraft that have limited flight capability or instrumentation. An AIRMET must affect or be forecast to affect an area of at least 3,000 square miles at any one time. AIRMETS are routinely issued for six-hour periods and are amended as necessary due to changing weather conditions. AIRMETS are displayed as colored, dashed lines.



## SIGMETS

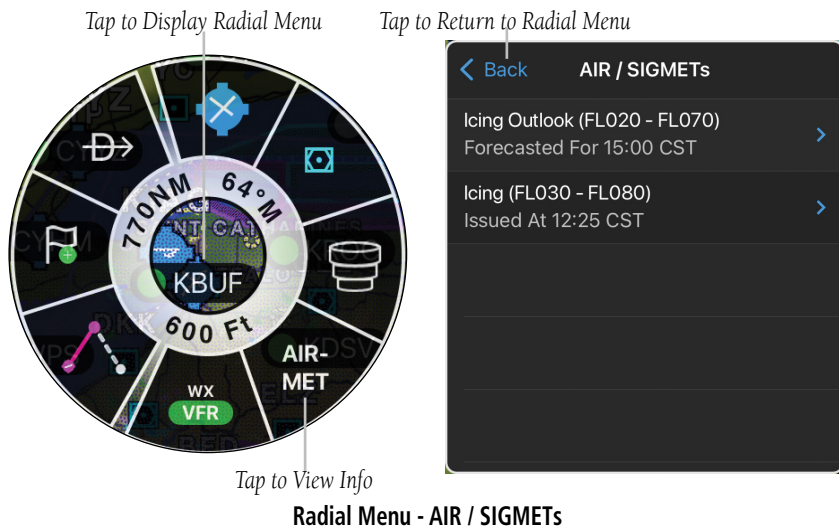
A SIGMET (SIGnificant METeoroological Information) advises of weather that is potentially hazardous to all aircraft. In the contiguous United States, the following items are covered: severe icing, severe or extreme turbulence, volcanic ash, dust storms, and sandstorms that lower visibility to less than three statute miles.

A Convective SIGMET is issued for the following conditions: thunderstorms, isolated severe thunderstorms, embedded thunderstorms, hail at the surface, and tornadoes.

A SIGMET is widespread and must affect or be forecast to affect an area of at least 3,000 square miles. SIGMETs are displayed as a yellow-dashed line.

### Viewing AIRMETS and SIGMETs:

- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays** > **AIR/SIGMETs**.
- 3) Tap Map Overlay Control Button and select the desired type of AIRMET/ SIGMET (e.g., Convective, Icing, IFR/MTN, or Turbulence) to display.
- 4) Tap within the shaded area for AIRMET/SIGMET to display the Radial Menu > AIRMETdetails.



## Viewing NOTAMs:


- 1) From any page, tap **Home** > .
- 2) Tap the Airport Identifier Button in the Summary Window.

**Or:** Tap **Menu** > **Search**.


- 3) At the top of the Airport search dialog select search criteria.

Search Criteria	Description
<b>Search</b>	Search Airport Information by State or use the keyboard to input the identifier, or city in the search window. This creates a list of matching airports from which to select.
<b>Flight Plan</b>	Opens a list airports used to define the Active Flight Plan. Departure, Destination and any other airports used as waypoints along the route of flight.
<b>Recent</b>	Opens a list of recently viewed airports. Select desired airport from the list.
<b>Nearest</b>	Opens a list of nearest airports. Select desired airport from the list.
<b>Favorite</b>	Opens a list of favorite airports, as defined by the User. Select desired airport from the list.

### Airport Search Options

- 4) Select the Airport from the list.
- 5) Tap the NOTAMs Tab to view available NOTAMs for the airport.
- 6) Tap  **Map** to view NOTAMs on the Map Page.



**Or:**

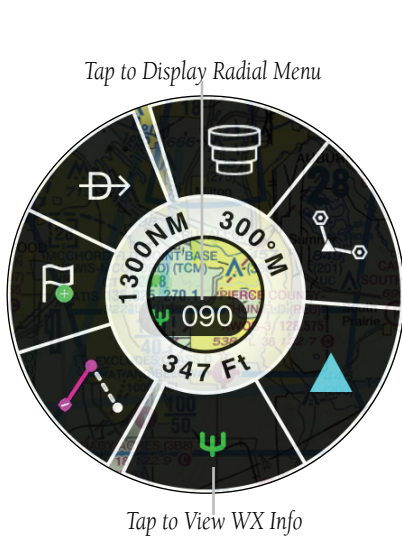
- 1) From any page, tap **Home** > .
- 2) Tap **Menu** > **Split Screen** > **Widgets**.
- 3) Drag the Widgets from right to left to bring the 'Add Widget' icon into view.
- 4) Tap **Add Widget**.
- 5) Tap **NOTAMs** from the list.

## PIREPS

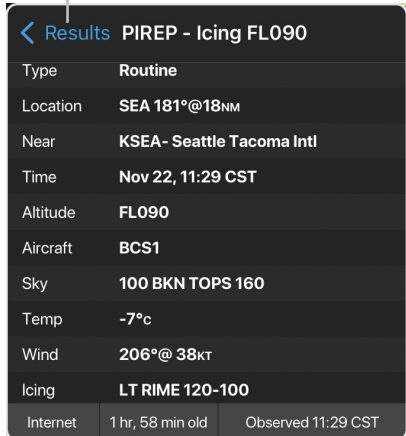
Pilot Weather Reports (PIREPs) provide timely weather information for a particular route of flight. When significant weather conditions are reported or forecast, Air Traffic Control (ATC) facilities are required to solicit PIREPs. A PIREP may contain unforecast adverse weather conditions, such as low in-flight visibility, icing conditions, wind shear, and turbulence. PIREPs are issued as either Routine (UA) or Urgent (UUA).

### Viewing PIREPs:

- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays** > **PIREPs**.
- 3) Tap the **PIREP** icon to display the Radial Menu.
- 4) Tap the **PIREP** icon in the Radial Menu, and select the desired PIREP for details.
- 5) Tap **Back** to return to the Radial Menu.

















Tap to Return to Radial Menu



Radial Menu - PIREP


PIREP TYPE	Icons	Description
Icing		Negative Icing
		Trace Icing
		Trace to Light Icing
		Light Icing
		Light to Moderate Icing
		Moderate Icing
		Moderate to Severe Icing
		Severe Icing

PIREP TYPE	Icons	Description
Sky Conditions		Unknown Sky Condition
		Sky Clear
		Few Clouds
		Scattered Clouds
		Broken Clouds
		Overcast
		IMC
Turbulence		Turbulence Negligible or Smooth
		Light Turbulence
		Light to Moderate Turbulence
		Moderate Turbulence
		Moderate to Severe Turbulence
		Severe Turbulence
		Extreme Turbulence

## PIREP Icons

PIREPS may also be shown in the Flight Profile View, which provides a vertical cross section display of airspace, terrain, obstacles, TFRs and weather for a planned route.

### Viewing PIREPs in Flight Profile View:

- 1) With a flight plan selected, from any page, tap **Home** > .
- 2) Tap **Menu** > **Split Screen** to enable split screen mode.
- 3) Select the settings wheel in the Flight Profile View, then **Markers** > **Show PIREPs**.
- 4) Tap the PIREP symbol to display details.

## TEMPORARY FLIGHT RESTRICTIONS (TFR)





**NOTE:** Do not rely solely upon data link services to provide Temporary Flight Restriction TFR information. Always confirm TFR information through official sources such as Flight Service Stations or Air Traffic Control.

Temporary Flight Restrictions, or TFRs, temporarily restrict all aircraft from entering the selected airspace unless a waiver has been issued. TFRs are routinely issued for occurrences such as sporting events, dignitary visits, military depots and forest fires. TFRs are represented as an area outlined in dark blue (stadiums), Yellow (future TFR, that are not yet in effect), or Red (dignitary visits, hazards including forest fires, and National Security areas).

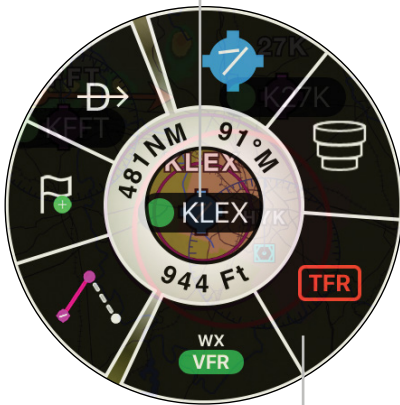


## Viewing Temporary Flight Restrictions (TFR):

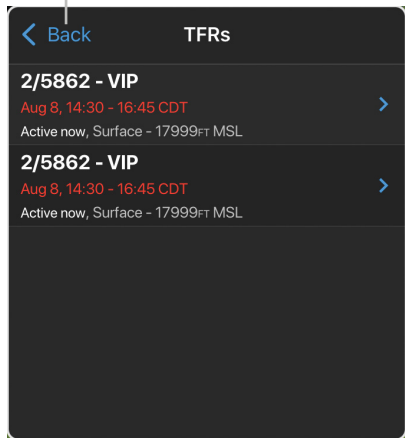
- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays** > **TFRs**.
- 3) Tap within the shaded area of a TFR to view the Radial Menu.
- 4) Tap **TFR** in the Radial Menu, and select the desired TFR for details.
- 5) Tap **Back** to return to the Radial Menu.

*Tap to Display Radial Menu*

*Tap to Return to Radial Menu*



*Tap to View TFR Info*

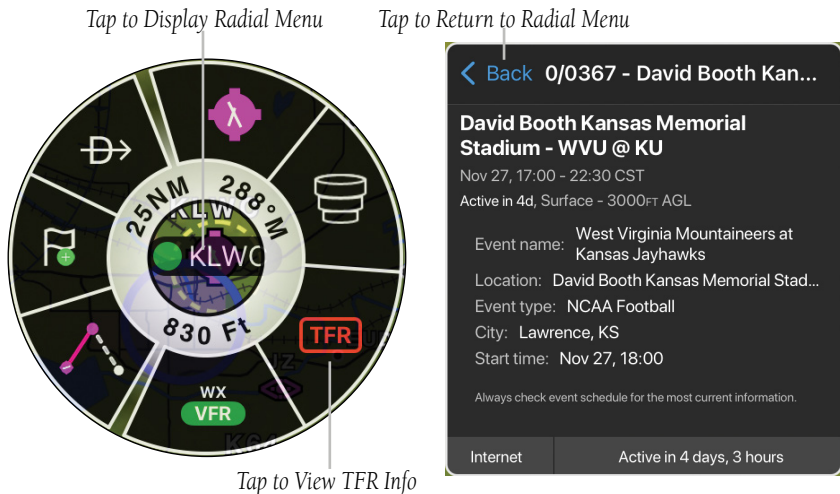


**Radial Menu - TFR Overlay - VIP**

## Enhanced Stadium TFRs Advisories



Stadium TFRs advisories have been enhanced to display the event, hosting venue, and start time along with color coding to represent the active state of the TFR.

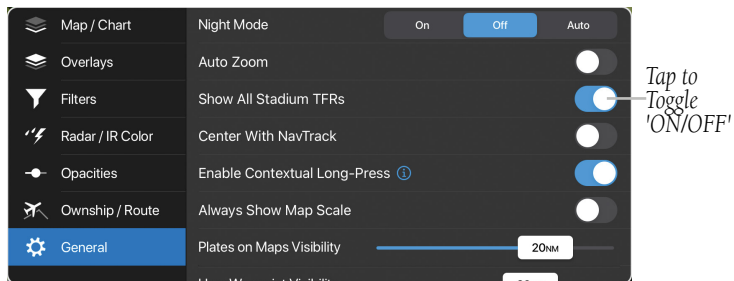
- Blue TFRs - event occurs one to seven days in the future.
- Yellow TFRs - event occurs within the next 24 hours.
- Red TFRs - active TFR, one hour before scheduled start time.



Radial Menu - TFR Overlay - Stadium

## Viewing only active Temporary Flight Restrictions (TFRs) or within 24 hours:

- 1) From any page, tap **Home** > .
- 2) Tap  > **General**.
- 3) Tap the **Show All Stadium TFRs** button OFF.



Show All Stadium TFRs

## WIDGETS


There are seven weather, four navigation, and two pilot utility products available for selection from the Widget Type list. The products available to be displayed as widgets are the following:

• METAR	• Airports
• TAF	• AIRMET/SIGMET
• MOS	• Navigation
• PIREPs	• Airspaces
• Winds Aloft	• Checklists
• NOTAMs	• Logbook Tracks
• Forecast Discussion	• Frequencies

Widget Type List Display Options

The source, product age and relative location will be displayed at the bottom of each widget.

### Adding Weather Widgets:

- 1) From any page, tap **Home** > .
- 2) Tap **Menu** > **Split Screen** > **Widgets**.
- 3) Drag the Widgets from right to left to bring the **Add Widget** icon into view.
- 4) Tap **Add Widget**, then select a widget from the list.



The screenshot shows the Garmin Pilot interface with a weather widget for PANC (Ted Stevens Anchorage Intl) selected. A 'Select Widget Type' menu is open, listing various weather products. Annotations with arrows point to specific elements:

- Tap to Change Widget Location:** Points to the widget's header area.
- Widget Type:** Points to the 'Select Widget Type' menu.
- Weather Product Source, Age & Relative Location:** Points to the bottom of the widget showing 'PANC 081505Z 15018G34KT 2 1/2SM R07 Internet 17 min old On Route'.
- Tap to Select Widget Type:** Points to the 'Select Widget Type' menu.

**Weather Widgets**



## TERRAIN



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**WARNING:** *Do not use Terrain information for primary terrain avoidance. Terrain information is intended only to enhance situational awareness.*

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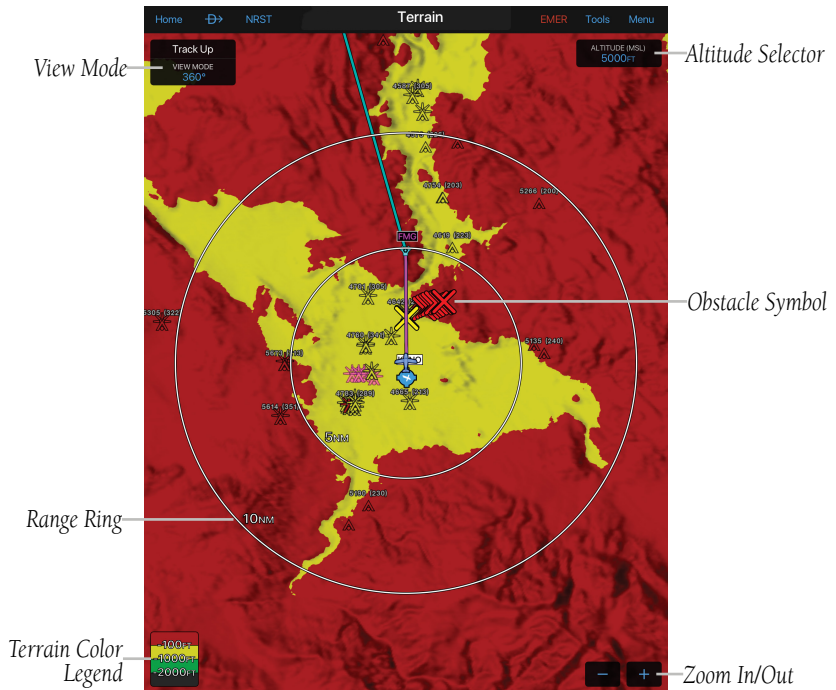
The Terrain function displays altitudes of terrain and obstructions relative to the aircraft position and altitude with reference to a database that may contain inaccuracies. Terrain and obstructions are shown only if they are in the database. Terrain and obstacle information should be used as an aid to situational awareness. They should never be used to navigate or maneuver around terrain. Note that all obstructions may not be available in the terrain and obstacle database. No terrain and obstacle information is shown without a valid 3-D GPS position.

The device or external GPS receiver provides the horizontal position and altitude of the aircraft. Aircraft GPS altitude is derived from satellite position. GPS altitude is then converted to a mean sea level (MSL)-based altitude (GPS-MSL altitude) and is used to determine terrain and obstacle proximity. GPS-MSL altitude accuracy is affected by satellite geometry, but is not subject to variations in pressure and temperature that normally affect pressure altitude sensors. GPS-MSL altitude does not require local altimeter settings to determine MSL altitude. It is a widely-used MSL altitude source.

Terrain and obstacle databases are referenced to MSL. Using the GPS position and altitude, the Terrain feature portrays a 2D picture of the surrounding terrain and obstacles relative to the position and altitude of the aircraft. GPS position and GPS-MSL altitude are used to calculate and predict the aircraft's flight path in relation to the surrounding terrain and obstacles. In this way, the pilot can view predicted dangerous terrain and obstacle conditions. Alert windows appear to inform the pilot of proximity to the terrain and obstacles.

## TERRAIN INFORMATION

Two views modes are available on the Terrain Page: the 360° view and the Arc view, which provides a 120° arc outline. The areas of the terrain shaded red are predicted to be within 100 feet below or above the aircraft. The areas in yellow are between 1,000 feet and 100 feet below the aircraft and the areas in green are between 1,000 and 2,000 feet below the aircraft. The black areas are more than 2,000 feet below the aircraft. A projected point of impact is marked with an "X" symbol. The Altitude Selector in the upper right corner can be configured to show, GPS derived AGL or GSL, or SFC ELEV (Surface Elevation) from the Terrain Database.



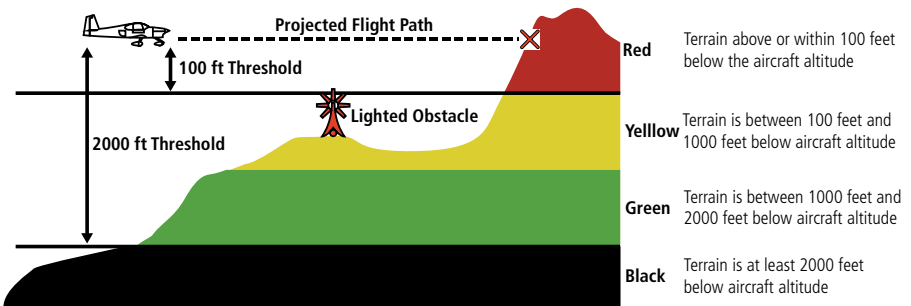
Terrain Page - 360° View

## TERRAIN COLOR TRANSITION

During the takeoff or landing transition only terrain that is 400 ft above the current location is shown in red. This is to prevent from displaying a "sea of red" during takeoffs and landings.

During the takeoff transition, the terrain colors will 'fade in' once the aircraft is airborne and flies through 400 ft AGL, the aircraft descends more than 25 ft after takeoff, or more than 60 seconds have passed since the aircraft was on the ground.

During the landing transition, the terrain colors will 'fade out' when the aircraft is within 0.5nm of an airport, the distance is decreasing, and the height above the runway is less than 200 ft.



Terrain Page Altitude/Color Correlation

## OBSTACLE INFORMATION


Obstacles are shown on the Terrain Map View, at or below the map range of 12 nm. Obstacles are also shown on the Navigation Map from a range of 200 feet to 5 nm.

Nearby obstacles can also be shown on the Map Pane.

## Viewing nearby obstacles:











- 1) From any page, tap **Home** >  >  > **General**.
- 2) Tap **Always Show Nearby Obstacles** button to On.

## Enabling/disabling Obstacles on the Navigation Map:

- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays** > **Obstacles**.

Standard aeronautical chart symbols are used for lighted or unlighted obstacles taller than 200 feet Above Ground Level (AGL). Refer to the Obstacle Icons legend below.

When selecting an obstacle from the Radial Menu, each obstacle displays the altitude at the top of the obstacle, or Mean Sea Level (MSL). Each obstacle also lists the actual height of the obstacle, or Above Ground Level (AGL).

Unlighted Obstacle		Lighted Obstacle		Potential Impact Points	Obstacle Location
< 1000' AGL	> 1000' AGL	< 1000' AGL	> 1000' AGL		
					WARNING: Red obstacle is above or within 100' below current aircraft altitude
					CAUTION: Yellow obstacle is between 100' and 1000' below current aircraft altitude

Terrain Obstacle Colors and Symbology



## TERRAIN AND OBSTACLE ALERTS

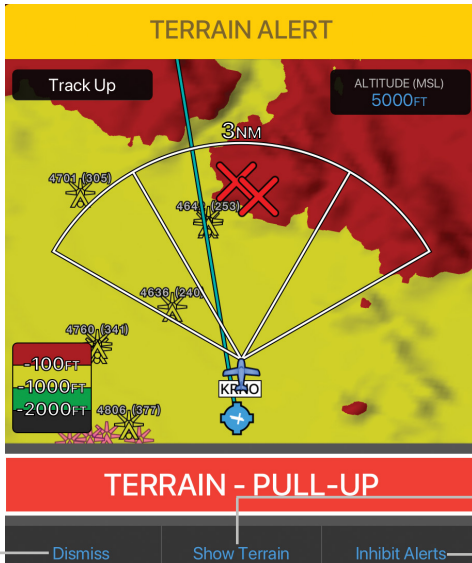
Terrain, Obstacle, and Descent Rate pop-up and voice alerts are issued when flight conditions meet parameters that are set within the software algorithms. Terrain alerts typically employ a CAUTION or a WARNING alert severity level, or both. When an alert is issued, visual annunciations are displayed and when enabled voice alerts are heard.

If the Terrain Page is not displayed, a pop-up alert appears. Tap **Dismiss** to acknowledge and clear the alert, or tap **Show Terrain** to view the Terrain Page.

Alert Type	Voice Message
Terrain Caution	"Caution Terrain"
Obstacle Caution	"Caution Obstacle"
Terrain Ahead Caution	"Caution; Terrain Ahead"
Obstacle Ahead Caution	"Caution; Obstacle Ahead"
Terrain Warning	"Terrain, Terrain, Pull Up, Pull Up"; * "Pull Up"
Obstacle Warning	"Obstacle, Obstacle, Pull Up, Pull Up"; * "Pull Up"
Sink Rate Caution	"Caution; Sink Rate"
Sink Rate Warning	"Sink Rate, Pull up"; * "Pull Up"

*\*\*Pull Up" is repeated every 5 seconds after the initial alert until alert conditions no longer exists*

### Terrain and Obstacle Voice Alerts



Tap to Dismiss Alert

Tap to View  
Terrain Page

Tap to Inhibit Alerts

Terrain Alert Pop-up

## Viewing the Terrain Page:

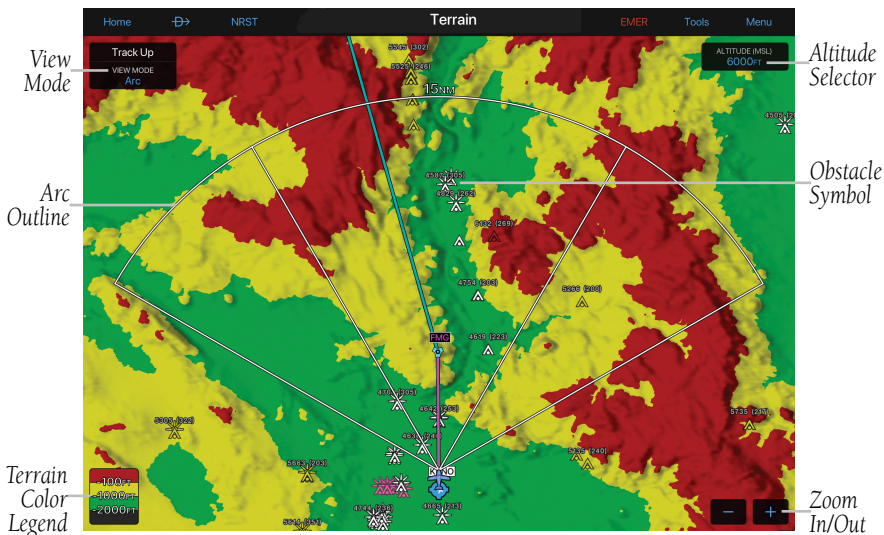
- 1) From any page, tap **Home** > .
- 2) Tap   or pinch-zoom to change the range of the terrain rings.

## Configuring the Terrain Page:

- 1) From any page, tap **Home** > .
  - 2) Tap **VIEW MODE**.
  - 3) Tap **360°** to view a 360° representation of terrain.
- Or:** Tap **Arc** to view a forward looking 120° arc of terrain.
- 4) Tap **Altitude** > **AGL**, **MSL**, or **SFC ELEV** to format the Altitude display.

## Enabling/disabling Terrain Shading on the Navigation Map:

- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays** > **Terrain**.



Terrain Page - Arc View



## CHARTS

FliteCharts resemble the paper version of AeroNav Services terminal procedures charts. The charts are displayed with high resolution and in color for applicable charts. Basic FliteCharts are included in the Garmin Pilot subscription, Geo-referenced FliteCharts are also available for an additional paid subscription. Once downloaded, charts can be viewed offline. Refer to the Downloads section for more information on downloading charts. Available data includes:


Arrivals (STAR)	Departure Procedures (DP)	Approaches	Airport Information Charts
JHAWK SIX	CHIEF SEVEN	ILS OR LOC RWY 03	AIRPORT DIAGRAM

Garmin Pilot makes it easy to organize all of the terminal procedures for the route of flight by creating a Binder for the departure airports, destination airports, and airports along the flight plan route. Additional binders can also be created and customized by adding individual charts for any airport. Terminal Procedure charts can be viewed and downloaded from the Airport Info Page, under the Procedures tab as well.




**CAUTION:** A data connection (e.g., Wi-Fi or cellular) is required to download and update charts. Before flight, be sure to check the Downloads Page to make sure the relevant charts are downloaded on your device. Chart downloads are only available over Wi-Fi and cellular connections, which are not guaranteed in flight.


### Viewing Charts in a Binder:

- 1) From any page, tap **Home** > .
- 2) Tap the desired **Binder**.
- 3) Select the desired chart.
- 4) Tap 'Back' to return to binder contents.
- 5) Tap 'Back' to return to the Binders Page.


### Viewing Recent Charts:


- 1) From any page, tap **Home** > .
- 2) Tap **Recent**.

### Searching for Charts:

- 1) From any page, tap **Home** > .
- 2) Tap inside the search field to access the keyboard.
- 3) Enter the search criteria.
- 4) Tap the desired chart from the list.

### Creating a Custom Binder:

- 1) From any page, tap **Home** > .
- 2) Tap **New Binder**.
- 3) Using the keyboard enter a name.
- 4) Tap the **Binder**.
- 5) Tap **Add Chart** to open a search dialog.

- Or:** Tap the search field to open a search dialog.
- 6) Enter the airport identifier using the keyboard.
  - 7) Tap  to add the chart to the binder.
  - 8) If desired, tap **Add All Charts** to add all search results to the binder.






### Organizing Custom Binders:




**NOTE:** Route binders can not be moved around for organization.

- 1) Tap and hold on any Custom Binder to enter Edit/Arrange Mode.
- 2) Drag the Custom Binder and release at the desired location.
- 3) Tap 'Save' to save and exit Edit/Arrange Mode.

### Viewing and Organizing Procedures from the Airport Info Page:

- 1) From any page, tap **Home** > .
- 2) Tap the Procedures Tab. All available charts and procedures are shown including Airport Info, Approach Procedures, Arrival Procedures, and Departures. Chart titles preceded by  will need to be downloaded. Charts preceded by  have already been downloaded to the device.
- 3) Tap the desired chart to view
- 4) Tap  to create a Chart Binder or add to an existing binder.
- 5) Enter a Binder name.
- 6) Tap  for each additional chart to add to a binder.

### Filtering Charts:

- 1) From any page, tap **Home** > .
- 2) Tap any **Binder**.
- 3) Tap **Filter**.

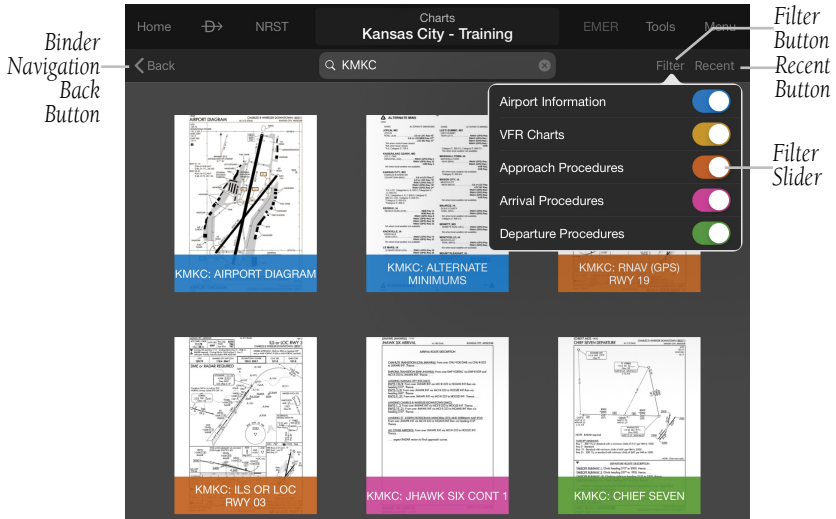



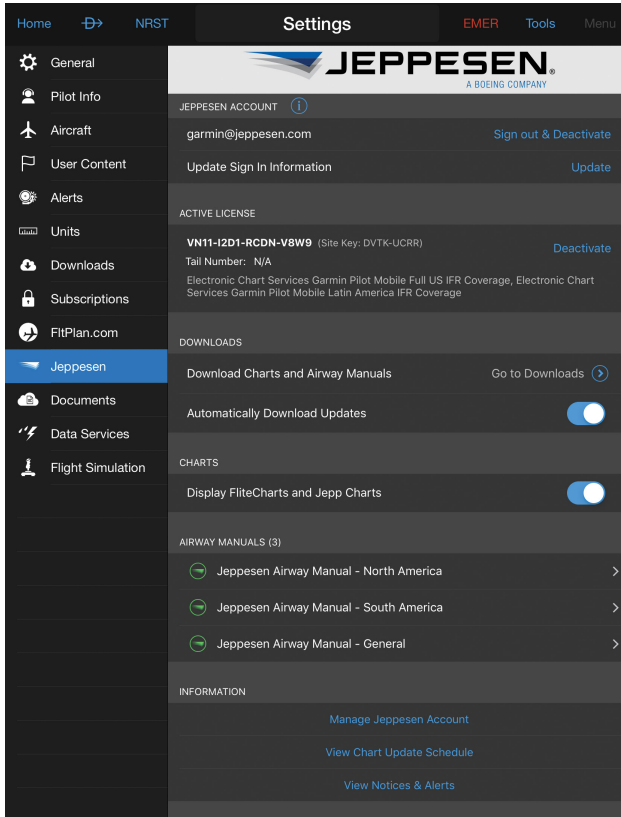
Chart Filter

## JEPPESEN SUBSCRIPTIONS

In addition to the FliteCharts published by Garmin, Garmin Pilot can also be configured to use a Jeppesen subscription for Jeppesen charts and procedures. To sign into a Jeppesen account, or start a Jeppesen digital subscription, from any page

tap **Home** >  > **Jeppesen**. Once signed in, Garmin Pilot will ask to select a single license on the Jeppesen subscription to activate. Only one license can be active at a time, and different content may be available to different licenses on the same account.

After activating, Garmin Pilot will begin downloading the activated content. Current downloads can be viewed by going to **Home** > .



### Jeppesen Subscription Settings


Jeppesen charts can be used in the same ways as Garmin charts, including organized into binders on the Charts page and accessed through the Map split-screen.





Jeppesen charts are also Geo-Referenced, and as such will display real-time aircraft position and can be overlaid on the moving Map. Jeppesen charts are color-coded in the same manner as Garmin-published charts for ease of reference. When the Jeppesen content has been activated and downloaded, it replaces **all** applicable Garmin charts and procedures on a per-airport basis. In other words, if Garmin Pilot has both Jeppesen charts and Garmin charts for a specific airport, Garmin Pilot will display Jeppesen charts and procedures only, and any Garmin-published content. If downloaded Jeppesen content has expired, Garmin Pilot will revert to Garmin-published current content.



Jeppesen Charts In Charts Page

If desired, Jeppesen charts can be disabled, and Garmin Pilot will return to the standard Garmin charts. To disable Jeppesen charts, tap **Home** >  > **Jeppesen** > **Deactivate License**.

Jeppesen Airway Manuals are also provided as part of a Jeppesen subscription. To download and view these manuals, tap **Home** >  > **Jeppesen**, and tap the desired manual to download or view it.

Jeppesen Airway Manuals can also be downloaded from **Home** > .

## JEPPESEN CONTENT AND ACCOUNT SUPPORT

If there are any errors or discrepancies with charts or procedures while a Jeppesen license is active, or if there's any issues with a Jeppesen accounts or licenses, Jeppesen support can be reached at 1-800-353-2107 in North America, +49 6102 5070 in Europe, and via e-mail at [captain@jeppesen.com](mailto:captain@jeppesen.com)

## CHART OVERLAYS

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Garmin Pilot neatly integrates instrument approach procedure charts with its moving map. Garmin Pilot can overlay approach charts at the proper position, orientation and scale on the moving map, making approach procedures available alongside moving map features such as flight paths, weather, nav aids, airspace, obstacles and terrain.

While displaying the Map page with an overlaid approach chart, the chart will automatically rotate to match the map, accommodating both North Up and Track Up map modes. Chart Overlays is available for any Geo-Referenced instrument approach procedure chart, which includes most FliteCharts provided by Garmin and Jeppesen charts (with subscription).


# WORLDWIDE INSTRUMENT APPROACH PROCEDURES

Garmin Pilot expanded global coverage for subscribers in Africa, Asia, Australia, Europe, and Latin America, who are now able to load and activate instrument approach procedures.

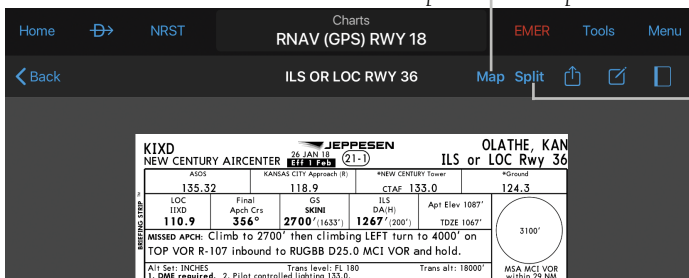


## International Approaches - Jeppesen

## Overlaying Approach Chart From Charts Page:

- 1) From any page, tap **Home** > .
  - 2) Search for the desired approach chart (orange labels).
- Or:** Tap **Recent**, the Destination binder, or a custom binder, to locate the desired chart.
- 3) Tap **Map**. Garmin Pilot switches to the Map page and displays the selected chart, overlaid on the moving map.
- Or:** Tap **Full / Split**. Garmin Pilot switches to the Map page and displays the selected chart, toggling between Split-Screen and Full Screen mode, as desired.


*Tap to View on Map*

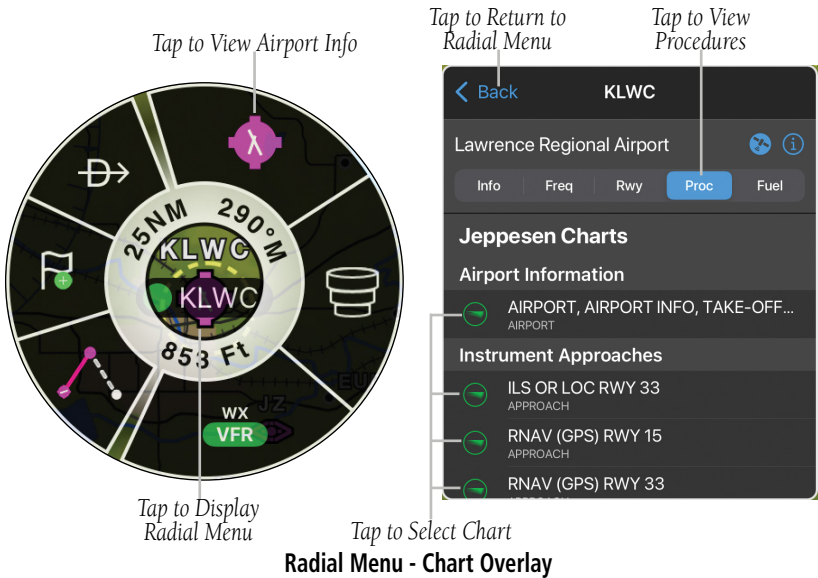


Charts Page - Selecting View on Map

*Tap to View on Map in Split-Screen*

## Overlaying Approach Chart From Map Page Radial Menu:

- 1) From any page, tap **Home** > .
- 2) Tap near the desired Airport in the Map Pane until the Radial Menu appears.
- 3) Tap the Airport icon.
- 4) Tap the **Proc** tab.
- 5) Tap the desired approach.



The diagram illustrates the process of overlaying an approach chart. On the left, a circular radial menu for KLWC is shown with various icons. Labels indicate:
 

- Tap to View Airport Info* pointing to the purple airplane icon.
- Tap to Display Radial Menu* pointing to the central KLWC icon.
- Tap to Select Chart* pointing to the 'WX VFR' option.

 On the right, the resulting 'Jeppesen Charts' overlay is shown. Labels indicate:
 


- Tap to Return to Radial Menu* pointing to the 'Back' button.
- Tap to View Procedures* pointing to the 'Proc' tab.
- Tap to Select Chart* pointing to the 'ILS OR LOC RWY 33 APPROACH' option.


**Radial Menu - Chart Overlay**



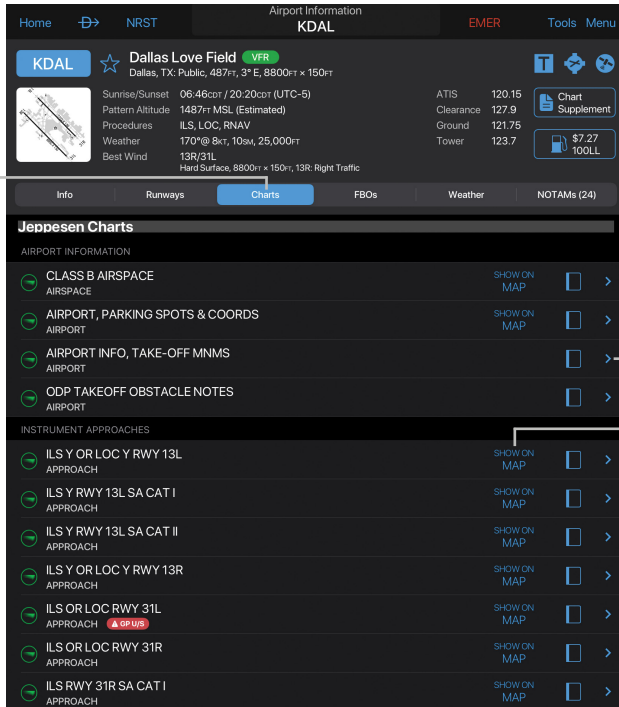
Jeppesen Chart Overlay

### Overlaying Approach Chart From Airport Information Page:

- 1) From any page, tap **Home** > .
- 2) Tap the Airport Identifier Button to search for the desired airport.
- 3) Tap the **Procedure** tab.
- 4) Tap **Show on Map** next to the desired chart. Garmin Pilot switches to the Map page and displays the selected chart, overlaid on the moving map.

- Or: Tap  to the right of the desired chart to view.
- 5) Tap **Map**. Garmin Pilot switches to the Map page and displays the selected chart, overlaid on the moving map.
- Or: Tap **Full / Split**. Garmin Pilot switches to the Map page, displaying the chart, toggling between Split-Screen and Full Screen mode, as desired.

Tap to View



Tap to View Chart

Tap to Show Chart on Map

Airport Info - Charts

While using an active instrument approach procedure overlay, Garmin Pilot will display a settings icon (⚙️) on the upper-left corner of the chart. These settings provide options to change to another chart for the current airport, change the opacity of the overlay (revealing more or less of the moving map below it) and removing the overlay entirely.

Annotations on the left side of the screenshot:

- View Chart in Charts Page
- Tap to View Settings
- Remove Chart Overlay
- Selected Chart
- Tap to Select Chart
- Selected Chart Layer
- Slide to Modify Chart Opacity

Chart Overlay Settings



Enhanced readability for FliteCharts can be displayed by selecting Night Mode from the context Menu whenever the approach chart is displayed.

### Displaying Chart in Night Mode:

With the desired chart selected, tap **Menu > Night Mode**.

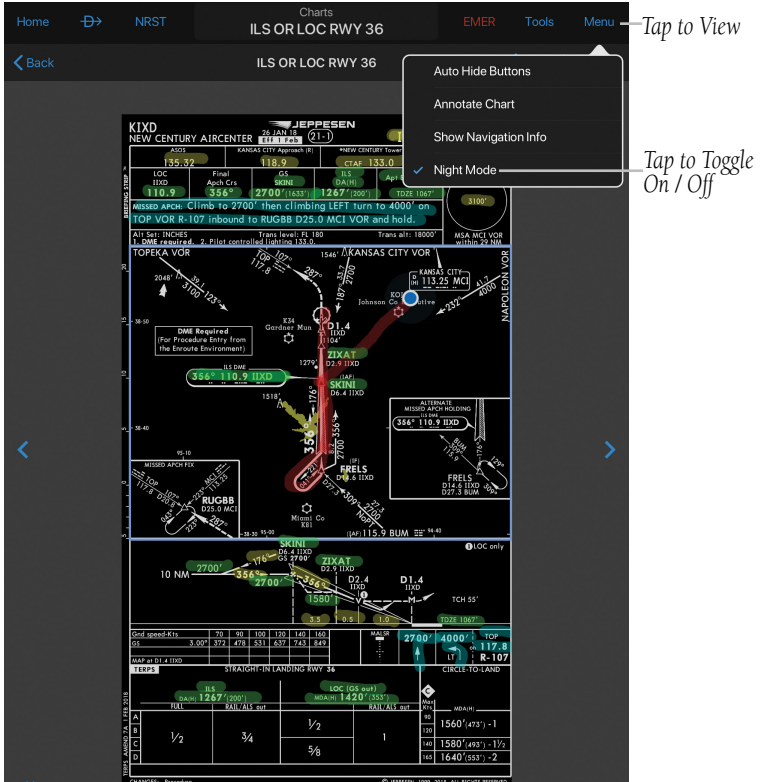



Chart - Night Mode

## AUTOMATICALLY GENERATED BINDERS

Garmin Pilot creates three kinds of chart binders automatically:

- Airport information, approach, arrival and departure procedures for your departure and destination airport.
- En-route airports in your active flight plans. These are labeled with 'FPL'.
- Your activated Direct-To airport. (Please make certain the charts are downloaded to your device for off-line use.)

### Viewing Automatically Generated Binders:

- 1) From any page, tap **Home** > .
- 2) Tap the **Departure** binder to view all charts relevant to the departure airport.
- 3) Tap the **Destination** binder to view all charts relevant to the destination airport.
- 4) Tap the **FPL** binder to view charts for airports along the current flight plan route.
- 5) Tap the **Direct-To** binder to view all charts relevant to the selected Direct-To airport.

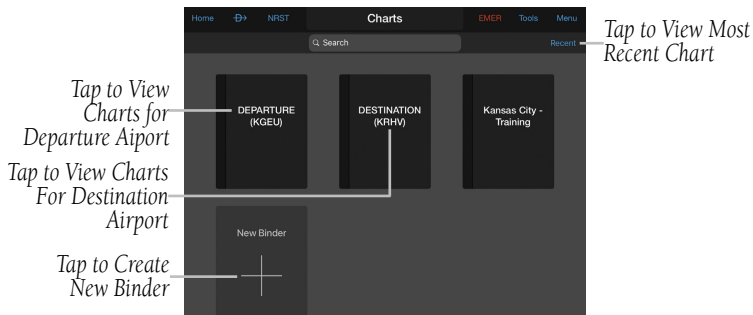


Chart Binders










# ANNOTATING CHARTS

Garmin Pilot allows users to write and draw free-form annotations on charts. These annotations are non-destructive and do not alter the original chart.



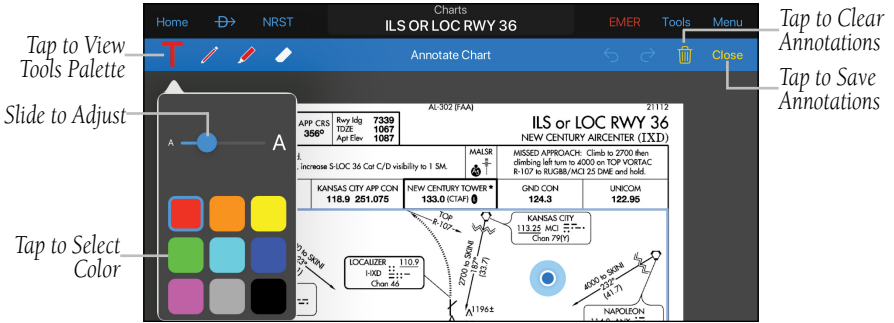
Annotating Charts - Overview

## Annotating Charts:

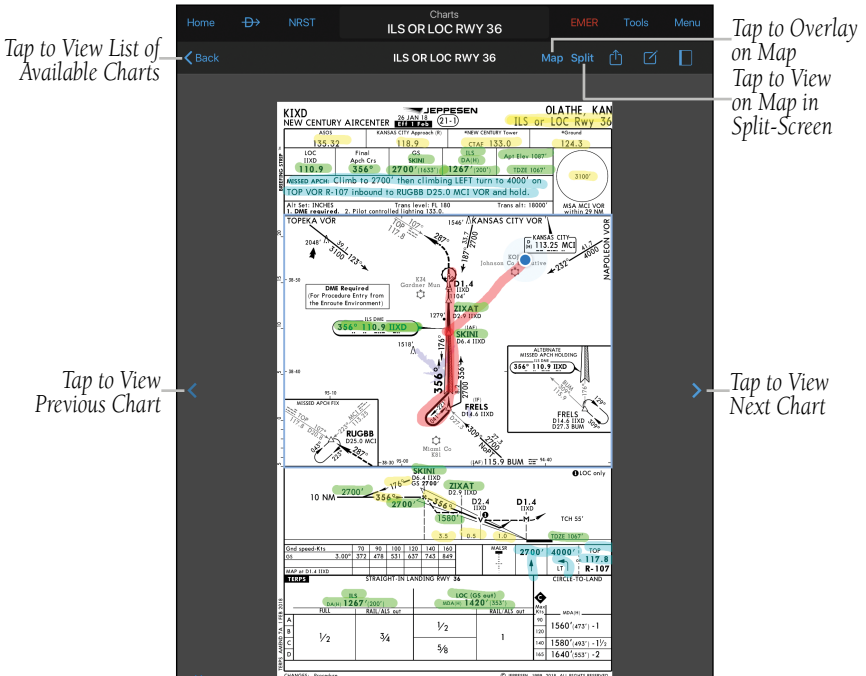
- 1) From any page, tap **Home** > .
  - 2) Tap any **Binder** > **Chart**.
  - 3) Tap **Menu** > **Annotate Chart**.
- Or:** Tap **Chart** > .
- 4) Double Tap the desired tool ( = Text,  = Draw,  = Highlight, or  = Erase) to display the associated Tools Palette.
  - 5) Tap the desired color, opacity (if available) and stroke.
  - 6) Adjust the slider as desired, then tap outside of the options menu to annotate.
  - 7) Annotate Chart as desired.
  - 8) If entering text, a text box will be displayed. Tap the text box to Change, Enter, or Delete text. Tap  to "Undo" or  to "Redo" an entry. Once the text has been entered, tap outside the text box to continue.
  - 9) Tap  > **Clear** to clear annotations.
  - 10) Tap **Close** to exit and save annotations.
  - 11) Tap **Map**. Garmin Pilot switches to the Map page and displays the selected chart, overlaid on the moving map.
- Or:** Tap **Full / Split**. Garmin Pilot switches to the Map page, displaying the chart, toggling between Split-Screen and Full Screen mode, as desired.



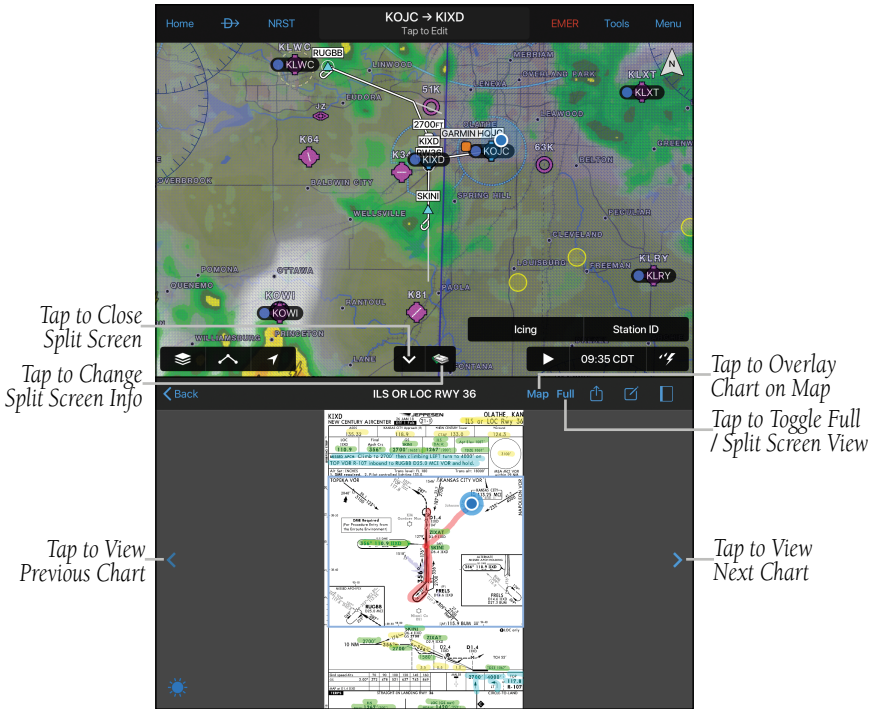
**NOTE:** While annotating a chart, the chart can be zoomed or panned by pinching two fingers together or by pulling fingers apart. Any other tap will result in annotation.



Charts - Annotate - Text - Tools Palette



Annotate Chart - Done - Options



Annotate Chart - Split-Screen











## SCRATCH PAD

The Scratch Pad, allows the pilot to quickly draw or write down information on the device screen. From copying clearances, to noting weather conditions, the scratch pad helps keep all flight information at your finger tips.




The Scratch Pad includes the following pages:

- 2 blank pages
- CRAFT template
- ATIS template
- PIREP form

### Using the Scratch Pad:

- 1) From any page, tap **Home** > .
- 2) Tap one of the Page 1 or Page 2 tabs to select a blank page, or tap on an ATIS form, a CRAFT form, or a PIREP form.
- 3) Double Tap the desired tool ( = Text,  = Draw,  = Highlight, or  = Erase) to display the associated Tools Palette.
- 4) Tap the desired color, opacity (if available) and stroke.
- 5) Adjust the slider as desired, then tap outside of the options menu to annotate. Annotate Chart as desired.
- 6) If entering text, a text box will be displayed. Tap the text box to Change, Enter, or Delete text. Tap  to "Undo" or  to "Redo" an entry. Once the text has been entered, tap outside the text box to continue.
- 7) Tap  > **Clear** to clear annotations.
- 8) Tap **Close** to exit and save annotations.

### Clearing the Scratch Pad:


- 1) From any page, tap **Home** > 
  - 2) Tap one of the Page 1 or Page 2 tabs to select a blank page, or tap on an ATIS form, a CRAFT form or a PIREP form.
  - 3) Double Tap  to select the Eraser and erase small areas.
- Or:** Tap  > **Clear** to clear annotations.

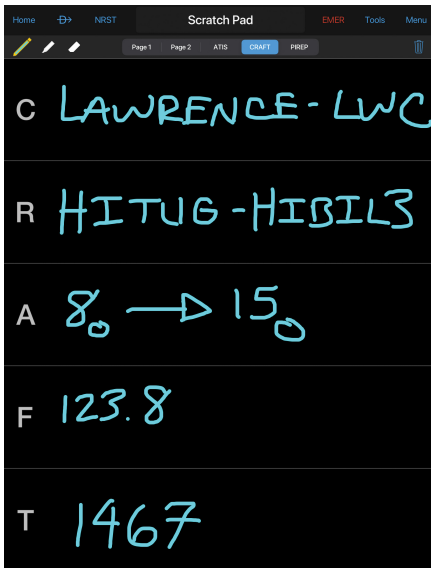


Scratch Pad - ATIS Tab

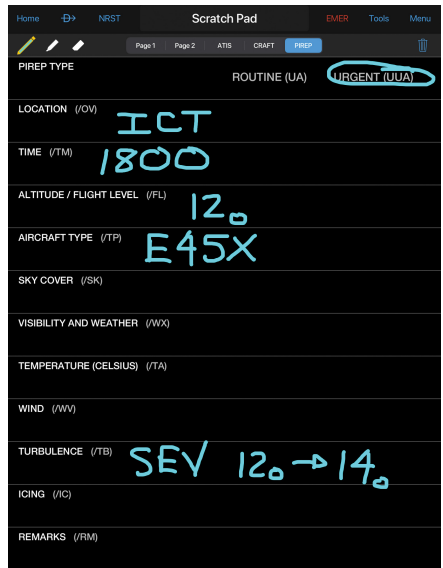


## Inverting colors on the Scratch Pad:

- 1) From any page, tap **Home** >  Scratch Pad.
- 2) Tap one of the Page 1 or Page 2 tabs to select a blank page, or tap on an ATIS form, a CRAFT form or a PIREP form.
- 3) Tap **Menu** > **Invert Colors** to invert colors on all scratch pad pages.



Scratch Pad - CRAFT Tab











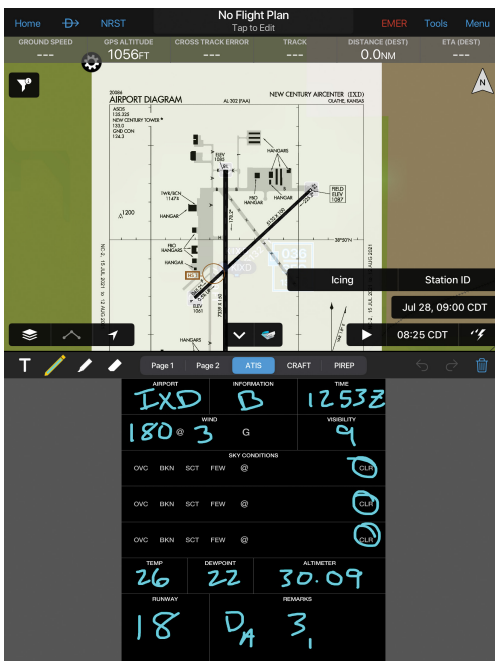
Scratch Pad - PIREP Tab

## SCRATCH PAD SPLIT-SCREEN

The Scratch Pad in the split-screen mode allows for taking notes of pertinent flight information while maintaining situational awareness.

## Using the Scratch Pad in the Split Screen mode:

- 1) From any page, tap **Home** > .
- 2) Tap  > .
- 3) Tap one of the Page 1 or Page 2 tabs to select a blank page, or tap on an ATIS form, a CRAFT form or a PIREP form.
- 4) Double Tap the desired tool ( = Text,  = Draw,  = Highlight, or  = Erase) to display the associated Tools Palette.
- 5) Tap the desired color, opacity (if available) and stroke to annotate.
- 6) Tap  > **Clear** to clear annotations.



Split Screen Scratch Pad - ATIS Tab

# SUBSCRIPTIONS

## SAFETAXI



SafeTaxi is an enhanced feature that gives an airport diagram with greater map detail. The maximum map ranges for enhanced detail are pilot-configurable. SafeTaxi diagrams show the following:

- Taxiway location letter designator
- Airport Hot Spot areas
- Runway numbers
- Airport landmarks (e.g. ramps, buildings, control tower etc.)


Resolution is greater at lower map ranges. When SafeTaxi is available for an airport the **SafeTaxi<sup>®</sup>** button becomes active on the Airport Info Page. SafeTaxi information is also available in split mode or on the Map Pane. Map Pane display of SafeTaxi is based on the Map zoom level and the SafeTaxi Visibility Range set under  > **Map/Chart > Roads/Borders, VFR, or IFR >  > Airports.**

Designated Hot Spots are recognized at airports with many intersecting taxiways and runways, and/or complex ramp areas. Airport Hot Spots are outlined to caution pilots of areas on an airport surface where positional awareness confusion or runway incursions happen most often. Hot Spots are shown as red outlined and shaded areas on the SafeTaxi diagram.


### Configuring the display of SafeTaxi (Subscription Required):

- 1) Tap  > **Map/Chart** > **Roads/Borders, VFR, or IFR** >  > **Airports**.
- 2) Under the **Visibility Range** heading, use the slider to configure the map range at which SafeTaxi detail is displayed on the map.
- 3) Under the **Label Size** heading, tap **Off, Small, Medium, or Large** labels.

### Viewing SafeTaxi (Subscription Required):

From any page, tap **Home** > , pull fingers apart or double tap with one finger to zoom in on the desired airport.

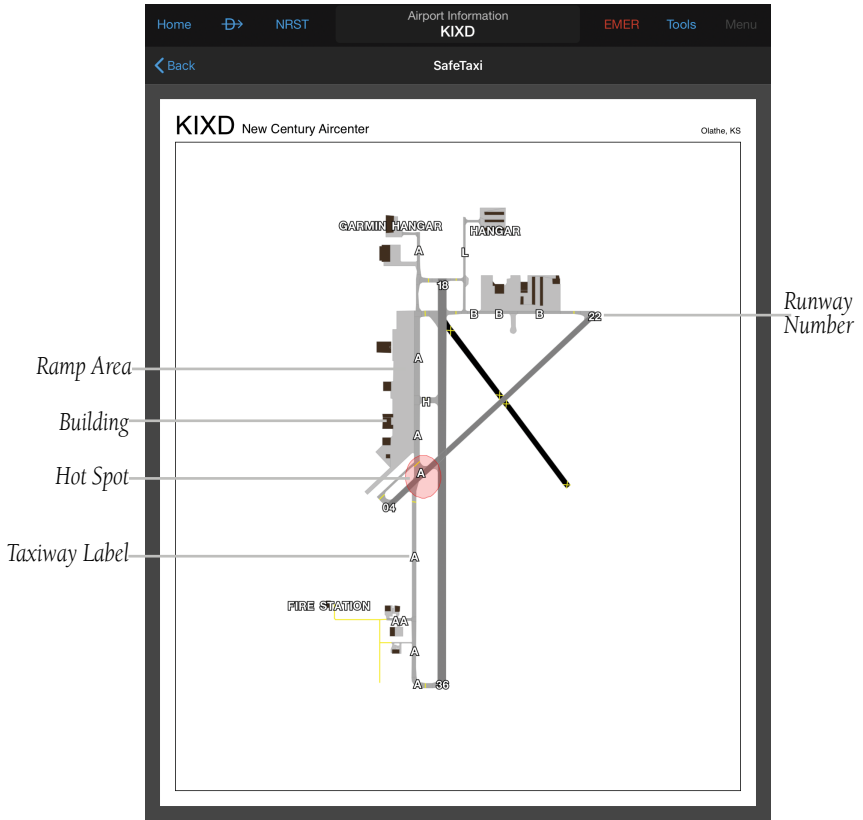
**Or:**

- 1) From any page, tap **Home** > .
- 2) Tap **SafeTaxi**<sup>®</sup> to view the SafeTaxi airport diagram.
- 3) Tap **Back** to return to the Airport Info Page.

**Or:** From any page, tap **Home** >  > **Menu** > **Split Screen** > **SafeTaxi**.



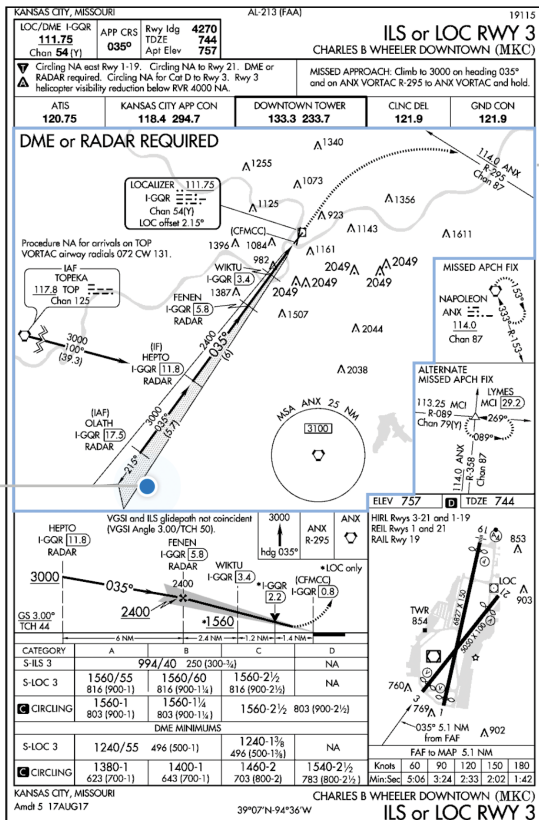
**NOTE:** SafeTaxi is only available on Maps (e.g., Road/Borders, VFR, or IFR). SafeTaxi is not available on Charts; VFR, IFR Low, or IFR High.



SafeTaxi

# GEO-REFERENCED FLITECHARTS

If a FliteCharts subscription has been purchased, ensure that Garmin Pilot, log-in information has been entered in the subscriptions tab of the Settings Page. Geo-referenced FliteCharts will be active on all available charts.



Blue Outline Indicates Geo-Referenced Area

Current Position

Geo-Referenced FliteCharts

## BARON MOBILE LINK™

The Baron Mobile Link™ in combination with a SiriusXM subscription provides in-flight weather information including: US Radar, Canada Radar, Puerto Rico Radar, Satellite, Weather, and PIREPs. The Baron Mobile Link is an external accessory that allows Garmin Pilot to receive SiriusXM Weather wirelessly.


### Activating Baron Mobile Link™:

- 1) From any page, tap **Home** > .
- 2) Tap the Data Services Tab.
- 3) Use the On/Off slider to turn on the Baron Mobile Link™.

### Connecting to a Baron Mobile Link Network:

- 1) Open the iPad Settings Menu.
- 2) Under the Settings column on the left, tap 'Wi-Fi'.
- 3) If necessary, use the On/Off slider to turn on Wi-Fi.
- 4) Select the Baron Mobile Link from the list of available networks.
- 5) If necessary, enter the network password.

### Viewing Radio Information:

- 1) From any page, tap **Home** > .
- 2) Tap the Data Services Tab.
- 3) Use the On/Off slider to turn on the Baron Mobile Link™.
- 4) Tap 'Connection Information' to view radio information (including Radio ID, Service Level, Signal Quality, and Weather Imagery update information).

Connection  
Status

Baron On/  
Off Slider

GARMIN WEATHER DATA SERVICES

Service Unavailable

Garmin Weather Data Services provides up to date imagery and text products including: Radar, Satellite, Lightning, METARs, TAFs, PIREPs, and NOTAMs.

BARON MOBILE LINK™

Connected

Connection Information >

Baron Mobile Link provides in-cockpit weather using your XM WX receiver and the Mobile Link Wi-Fi device.

Powered by **BARON** ((SiriusXM))  
SATELLITE RADIO

GARMIN GDL 39

Device Unavailable

Garmin's GDL 39 provides live weather and traffic data in the air. Receive updated data including: Radar, METARs, TAFs, PIREPs, TFRs, NOTAMs, and more. See GDL 39 in the Devices section for more information.

Refresh Text Weather Refresh

Attempt to refresh METARs, TAFs, and other text weather products.

Local Weather Data Status >

Weather Data	Status
<b>RADIO</b>	
Radio ID	P6RW510Z
Service Level	Aviator Pro
Signal Quality	marginal
Tuner Locked?	Yes
Antenna	present %
Sat1 BER	100.00 %
Sat2 BER	2.33 %
Ground BER	15.38 %
Sat1 CNR	0.00 dB
Sat2 CNR	2.75 dB
<b>COUNTERS</b>	
Packets	3825273
Bytes	754004989
Rx Errors	868
CRC Errors	0
Other Errors	
<b>IMAGERY</b>	
PR Radar	67 hours, 38 min ago
Radar	67 hours, 39 min ago




Radio  
Information

Weather  
Imagery Age

## Baron Mobile Link






### Viewing Radar Information:

- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays** > **Radar**, **Radar (CAN)**, or **Radar (P. Rico)**.
- 3) Tap  to animate the radar loop. Each frame of the radar loop is time stamped. The time stamp is just right of the play button.

### Viewing Satellite Information:

- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays** > **Satellite**.
- 3) Tap  to animate the satellite loop. Each frame of the satellite loop is time stamped. The time stamp is just right of the play button.



### Viewing Weather Radar:

- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays** > **Radar**.
- 3) Tap  to animate the radar loop. Each frame of the loop is time stamped. The time stamp is just right of the play button.

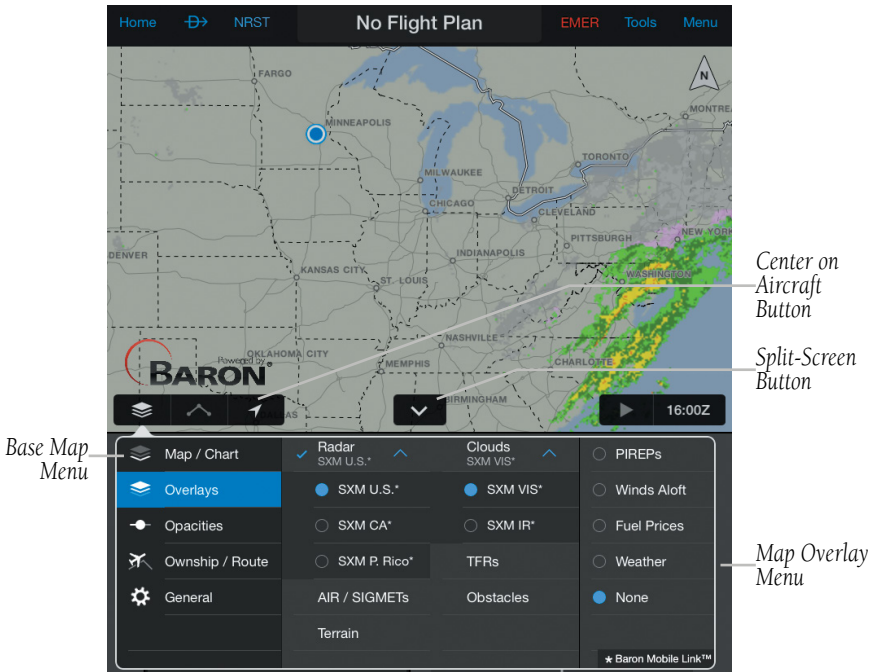
### Viewing PIREPs:

- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays** > **PIREPs**.

### Viewing and Configuring the Weather Overlay:

- 1) From any page, tap **Home** > .
- 2) Tap  > **Overlays** > **Weather**.
- 3) Tap the Overlay button next to the Split-Screen button.

- 4) Select the desired option from the list.
- 5) Tap any of the displayed Weather Icons to view the Raw and translated METAR information.



SiriusXM Weather Overlays

# APPENDIX A: LICENSE AGREEMENT AND WARRANTY

## CONTACT GARMIN

Contact Garmin Product Support at [flygarmin.com](http://flygarmin.com) if you have any questions while using Garmin Pilot.

### AOPA AIRPORT DIRECTORY NOTICE

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## SIRIUSXM SATELLITE RADIO SERVICE AGREEMENT

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### **SiriusXM Satellite Radio Inc.**

Hardware and required monthly subscription sold separately. Subscription fee is consumer only. Other fees and taxes, including a one-time activation fee may apply. All programming fees and weather data subject to change. SiriusXM WX weather data displays and individual product availability vary by hardware equipment. Reception of the SiriusXM signal may vary depending on location. Subscriptions subject to Customer Agreement included with the SiriusXM Welcome Kit and available at [siriusxm.com](http://siriusxm.com). Available only in the 48 contiguous United States. SiriusXM WX is a trademark of SiriusXM Satellite Radio Inc.

Contact SiriusXM Satellite Radio by phone at 800.985.9200 to subscribe to SiriusXM Weather and/or SiriusXM Radio.

## WEATHER DATA WARRANTY

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### **USER SAFETY**

If you use SiriusXM Services it is your responsibility to exercise prudent discretion and observe all safety measures required by law and your own common sense. You assume the entire risk related to your use of the Services. SiriusXM and Garmin assume no responsibility for accidents resulting from or associated with use of the Services. Your Radio Service includes traffic and weather information, and you acknowledge that such information is not for "safety for life", but is merely supplemental and advisory in nature, and therefore cannot be relied upon as safety-critical in connection with any aircraft, sea craft or automobile usage. This information is provided "as is" and SiriusXM and Garmin disclaim any and all warranties, express and implied, with respect thereto or the transmission or reception thereof. SiriusXM and Garmin further do not warrant the accuracy, reliability, completeness or timeliness of the traffic and weather information disclosed on the Radio Service. In no event will SiriusXM and Garmin, their data suppliers, service providers, marketing/distribution, software or Internet partners or hardware manufacturers be liable to you or to any third-party for any direct, indirect, incidental, consequential, special, exemplary or punitive damages or lost profits resulting from use of or interruptions in the transmission or reception of the Services.

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This product was developed using DAFIF™, a product of the National Geospatial-Intelligence Agency.

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