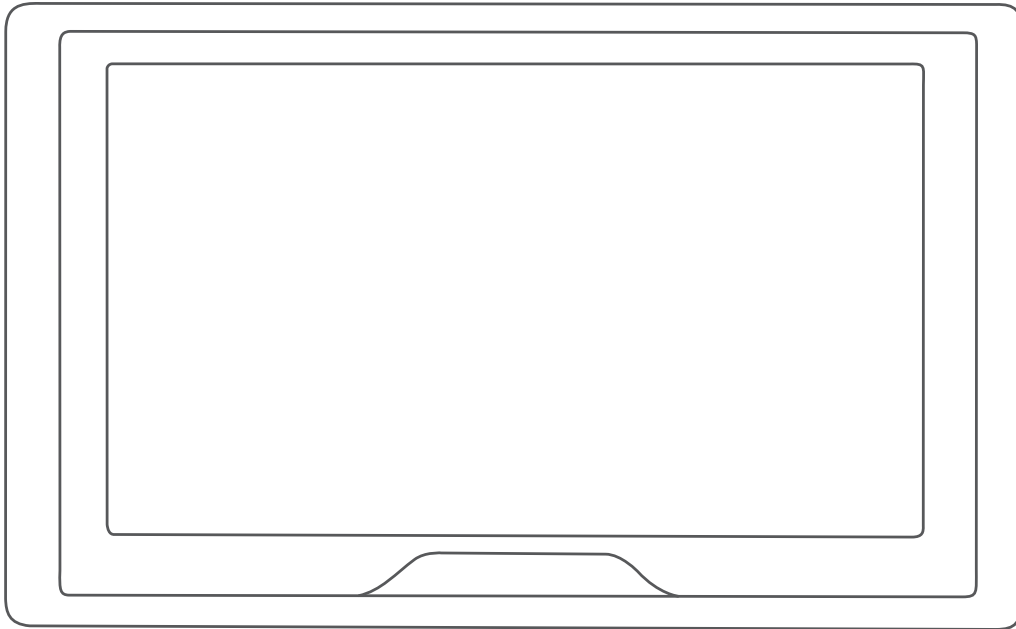


GARMIN®



Garmin Drive™ 51

Owner's Manual

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Getting Started

⚠️ WARNING

See the *Important Safety and Product Information* guide in the product box for product warnings and other important information.

- Update the maps and software on your device
- Mount the device in your vehicle and connect it to power.
- Acquire GPS signals
- Adjust the volume and display brightness.
- Navigate to your destination.

Device Overviews

Device Overview



①	Power key
②	USB power and data port
③	Map and data memory card slot

Mounting and Powering the Garmin Drive Device in Your Vehicle

⚠️ WARNING

This product contains a lithium-ion battery. To prevent the possibility of personal injury or product damage caused by battery exposure to extreme heat, store the device out of direct sunlight.

Before you use your device on battery power, you should charge it.

- 1 Plug the vehicle power cable ① into the USB port on the device.



- 2 Press the mount ② onto the suction cup ③ until it snaps into place.
- 3 Press the suction cup to the windshield, and flip the lever ④ back toward the windshield.
- 4 Fit the tab on the top of the mount into the slot on the back of the device.

- 5 Press the bottom of the mount into the device until it clicks.
- 6 Plug the other end of the vehicle power cable into a power outlet in your vehicle.

Turning the Device On or Off

- To turn the device on, press the power key, or connect the device to power.
- To put the device in power saving mode, press the power key while the device is on. While in power saving mode, the screen is off and the device uses very little power, but it can wake instantly for use.
TIP: You can charge your device faster by putting it in power saving mode while charging the battery.
- To turn off the device completely, hold the power key until a prompt appears on the screen, and select **Off**.
The prompt appears after five seconds. If you release the power key before the prompt appears, the device enters power saving mode.

Acquiring GPS Signals

When you turn on your navigation device, the GPS receiver must collect satellite data and establish the current location. The time required to acquire satellite signals varies based on several factors, including how far you are from the location where you last used your navigation device, whether you have a clear view of the sky, and how long it has been since you last used your navigation device. The first time you turn on your navigation device, it may take several minutes to acquire satellite signals.

- 1 Turn on the device.
- 2 Wait while the device locates satellites.
- 3 If necessary, go to an open area, away from tall buildings and trees.

📶 in the status bar indicates the satellite signal strength. When at least half the bars are filled, the device is ready for navigation.

Status Bar Icons







The status bar is located at the top of the main menu. The status bar icons display information about features on the device. You can select some icons to change settings or view additional information.

	GPS signal status. Hold to view GPS accuracy and acquired satellite information.
	Current time. Select to set the time.
	Battery charge level.



Using the On-Screen Buttons

On-screen buttons allow you to navigate the pages, menus, and menu options on your device.

- Select to return to the previous menu screen.

- Hold  to quickly return to the main menu.
- Select  or  to scroll through lists or menus.
- Hold  or  to scroll faster.
- Select  to see a context-based menu of options for the current screen.

Adjusting the Volume

- 1 Select **Volume**.
- 2 Select an option:
 - Use the slider bar to adjust the volume.
 - Select  to mute the device.
 - Select  for additional options.

Adjusting the Screen Brightness

- 1 Select **Settings > Display > Brightness**.
- 2 Use the slider bar to adjust the brightness.

Driver Awareness Features and Alerts

NOTICE

The driver alerts and speed limit features are for information only and do not replace your responsibility to abide by all posted speed limit signs and to use safe driving judgment at all times.

Garmin® is not responsible for any traffic fines or citations you receive for failing to follow all applicable traffic laws and signs.

Your device provides features that can help encourage safer driving and increase efficiency, even when you are driving in a familiar area. The device plays an audible tone or message and displays information for each alert. You can enable or disable the audible tone for some types of driver alerts.

Not all alerts are available in all areas.

School zone or nearby school: The device plays a tone and displays the distance to and speed limit (if available) for an upcoming school or school zone.

Speed limit reduction: The device plays a tone and displays the upcoming reduced speed limit so you can be prepared to reduce your speed.

Speed limit exceeded: The device plays a tone and displays a red border on the speed limit icon when you exceed the posted speed limit for the current road.

Animal crossing: The device plays a tone and displays the distance to an upcoming animal crossing area.

Curve: The device plays a tone and displays the distance to a curve in the road.

Fatigue warning: The device plays a tone and suggests upcoming rest stops after you have been driving for more than two hours without stopping.

Enabling or Disabling Audible Driver Alerts

You can enable or disable the audible tone for some types of driver alerts.

The visual alert appears even when the tone is disabled.

- 1 Select **Settings > Driver Assistance > Audible Driver Alerts**.
- 2 Select or clear the check box next to each alert.

Speed Cameras

NOTICE

Garmin is not responsible for the accuracy of or the consequences of using a speed camera database.

NOTE: This feature is not available for all regions or product models.

Information about speed camera locations is available in some areas for some product models.

The device alerts you when you approach a reported speed camera.

- You must purchase a subscription to download and store safety camera data on your device. Go to Garmin.com/speedcameras to check availability and compatibility, or to purchase a subscription or one-time update. You can extend an existing subscription at any time.
- In some regions, some product bundles include pre-loaded speed camera data with lifetime updates.
- You can use the Garmin Express™ software (Garmin.com/express) to update the camera database stored on your device. You should update your device frequently to receive the most up-to-date camera information.


Navigating to Your Destination

Routes

A route is a path from your current location to one or more destinations.

- The device calculates a recommended route to your destination based on the preferences you set, including the route calculation mode ([Changing the Route Calculation Mode, page 4](#)) and avoidances ([Avoiding Tolls and Areas, page 4](#)).
- +B113 You can start navigating to your destination quickly using the recommended route, or you can select an alternate route.
- If there are specific roads you need to use or avoid, you can customize the route.
- You can add multiple destinations to a route.

Starting a Route

- 1 Select **Where To?**, and search for a location.
- 2 Select a location.
- 3 Select an option:
 - To start navigating using the recommended route, select **Go!**.
 - To choose an alternate route, select , and select a route.

Alternate routes appear to the right of the map.

- To edit the course of the route, select **V> Edit Route**, and add shaping points to the route.

The device calculates a route to the location and guides you using voice prompts and information on the map. A preview of the major roads in your route appears at the edge of the map for several seconds.

If you need to stop at additional destinations, you can add the locations to your route.

Starting a Route by Using the Map

You can start route by selecting a location from the map.

- 1 Select **View Map**.
- 2 Drag and zoom the map to display the area to search.
- 3 If necessary, select **Q** to filter the displayed points of interest by category.
Location markers (**U** or a blue dot) appear on the map.
- 4 Select an option:
 - Select a location marker.
 - Select a point, such as a street, intersection, or address location.
- 5 Select **Go!**.

Going Home

The first time you start a route home, the device prompts you to enter your home location.

- 1 Select **Where To? > Go Home**.
- 2 If necessary, enter your home location.

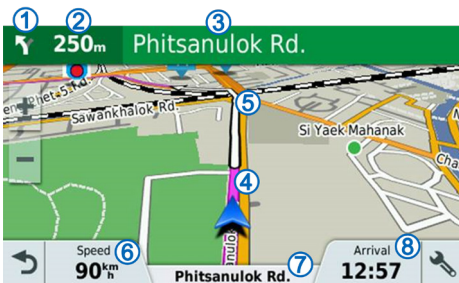
Editing Your Home Location

- 1 Select **Where To? > ≡ > Set Home Location**.
- 2 Enter your home location.

Your Route on the Map

As you travel, the device guides you to your destination using voice prompts and information on the map.

Instructions for your next turn or exit, or other actions appear across the top of the map.



①	Next action in the route. Indicates the next turn, exit, or other action and the lane in which you should travel, if available.
②	Distance to the next action.

③	Name of the street or exit associated with the next action.
④	Route highlighted on the map.
⑤	Arrows on the map indicate the location of upcoming actions. Next action in the route.
⑥	Vehicle speed.
⑦	Name of the road on which you are traveling.
⑧	Estimated arrival time. TIP: You can touch this field to change the information it shows.

Viewing Turns and Directions

While navigating a route, you can view upcoming turns, lane changes, or other directions for your route.

- 1 From the map, select an option:
 - To view upcoming turns and directions as you navigate, select **T> Turns**.
The map tool displays the next four turns or directions beside the map.
The list updates automatically as you navigate the route.
 - To view the complete list of turns and directions for the entire route, select the text bar at the top of the map.
- 2 Select a turn or direction (optional).
Detailed information appears. An image of the junction may appear for junctions on major roadways, if available.

Viewing the Entire Route on the Map

- 1 While navigating a route, select anywhere on the map.
- 2 Select **T**.

Arriving at Your Destination

When you approach your destination, the device provides information to help you complete your route.

- **D** indicates the location of your destination on the map, and a voice prompt announces you are approaching your destination.
- When you approach some destinations, the device automatically prompts you to search for parking. You can select Yes to find nearby parking areas.
- When you must park or stop a longer distance from your destination, you can continue to your destination on foot using your Garmin Drive device.
- When you stop at your destination, the device automatically ends the route. If the device does not detect your arrival automatically, you can select Stop to end your route.

Parking Near Your Destination

Your device can help you find a parking spot near your destination.

When you approach some destinations, the device automatically prompts you to search for parking.

- 1 Select an option:
 - When the device prompts you, select **Yes** to search for nearby parking.
 - If the device does not prompt you, select **Where To? > Categories > Parking**, and select **📍 > My Destination**.
- 2 Select **Filter Parking**, and select one or more categories to filter parking by availability, type, price, or payment methods (optional).

NOTE: Detailed parking data is not available in all areas or for all parking locations.
- 3 Select a parking location, and select **Go! > Add As Next Stop**.

The device guides you to the parking area.

Changing Your Active Route

Adding a Location to Your Route

Before you can add a location to your route, you must be navigating a route.

You can add locations to the middle or end of your route. For example, you can add a fuel station as the next destination in your route.

TIP: To create complex routes with multiple destinations or scheduled stops, you can use the trip planner to plan, schedule, and save a trip.

- 1 From the map, select **📍 > Where To?**
- 2 Search for a location.
- 3 Select a location.
- 4 Select **Go!**
- 5 Select an option:
 - To add the location as the next destination in your route, select **Add As Next Stop**.
 - To add the location to the end of your route, select **Add As Last Stop**.
 - To add the location and edit the order of destinations in your route, select **Add to Active Route**.

The device re-calculates the route to include the added location and guides you to the destinations in order.

Shaping Your Route

Before you can shape your route, you must start a route.

You can manually shape your route to change its course. This allows you to direct the route to use a certain road or go through a certain area without adding a destination to the route.

- 1 Touch anywhere on the map.
- 2 Select **📏**.

The device enters route shaping mode.
- 3 Select a location on the map.

TIP: You can select **+** to zoom in on the map and select a more precise location.

The device recalculates the route to travel through the selected location.

- 4 If necessary, select an option:
 - To add more shaping points to the route, select additional locations on the map.
 - To remove a shaping point, select **✖**.
- 5 When you are finished shaping the route, select **Go!**

Taking a Detour

You can take a detour for a specified distance along your route or detour around specific roads. This is useful if you encounter construction zones, closed roads, or poor road conditions.

- 1 From the map, select **📏 > Change Route**.

TIP: If the Change Route tool is not in the map tools menu, you can add it.
- 2 Select an option:
 - To detour your route for a specific distance, select **Detour by Distance**.
 - To detour around a specific road on the route, select **Detour by Road**.
 - To find a new route, select **Detour**.

Changing the Route Calculation Mode

- 1 Select **Settings > Navigation > Calculation Mode**.
- 2 Select an option:
 - Select **Faster Time** to calculate routes that are faster to drive but can be longer in distance.
 - Select **Off Road** to calculate point-to-point routes (without roads).
 - Select **Shorter Distance** to calculate routes that are shorter in distance but can take more time to drive.

Stopping the Route

From the map, select **📏 > Stop**.

Using Suggested Routes

Before you can use this feature, you must save at least one location and enable the travel history feature.

Using the myTrends™ feature, your device predicts your destination based on your travel history, the day of the week, and the time of day. After you have driven to a saved location several times, the location may appear in the navigation bar on the map, along with the estimated time of travel, and traffic information.

Select the navigation bar to view a suggested route to the location.

Avoiding Tolls and Areas

Avoiding Toll Roads

Your device can avoid routing you through areas

that require tolls, such as toll roads, toll bridges, or congestion areas.

The device may still include a toll area in your route if no other reasonable routes are available.

1 Select **Settings > Navigation**.

2 Select an option:

NOTE: The menu changes based on your area and the map data on your device.

- Select **Toll Roads**.
- Select **Tolls and Fees > Toll Roads**.

3 Select an option:

- To be asked each time before routing through a toll area, select **Always Ask**.
- To always avoid tolls, select **Avoid**.
- To always allow tolls, select **Allow**.

4 Select **Save**.

Avoiding Toll Stickers

NOTE: This feature is not available in all areas.

The map data on your device may contain detailed toll sticker information for some countries.

You can avoid or allow toll stickers for each country.

1 Select **Settings > Navigation > Tolls and Fees > Toll Stickers**.

2 Select a country.

3 Select an option:

- To be asked each time before routing through a toll area, select **Always Ask**.
- To always avoid tolls, select **Avoid**.
- To always allow tolls, select **Allow**.

4 Select **Save**.

Avoiding Road Features

1 Select **Settings > Navigation > Avoidances**.

2 Select the road features to avoid on your routes, and select **Save**.

Custom Avoidances

Custom avoidances allow you select specific areas or sections of road to avoid.

When the device calculates a route, it avoids these areas and roads unless no other reasonable route is available.

Avoiding a Road

1 Select **Settings > Navigation > Custom Avoidances**.

2 Select **Add Avoid Road**.

3 Select the starting point of the section of road to avoid, and select **Next**.

4 Select the ending point of the road section, and select **Next**.

5 Select **Done**.

Avoiding an Area

1 Select **Settings > Navigation > Custom Avoidances**.

2 If necessary, select **Add Avoidance**.

3 Select **Add Avoid Area**.

4 Select the upper-left corner of the area to avoid, and select **Next**.

5 Select the lower-right corner of the area to avoid, and select **Next**.

The selected area is shaded on the map.

6 Select **Done**.

Disabling a Custom Avoidance

You can disable a custom avoidance without deleting it.

1 Select **Settings > Navigation > Custom Avoidances**.

2 Select an avoidance.

3 Select **≡ > Disable**.

Deleting Custom Avoidances

1 Select **Settings > Navigation > Custom Avoidances**.

2 Select an option:

- To delete all custom avoidances, select **X**.
- To delete one custom avoidance, select the avoidance, and select **≡ > Delete**.

Navigating Off Road

If you are not following roadways as you navigate, you can use Off Road mode.

1 Select **Settings > Navigation**.

2 Select **Calculation Mode > Off Road > Save**.

The next route will be calculated as a straight line to the location.

Finding and Saving Locations

The maps loaded in your device contain locations, such as restaurants, hotels, auto services, and detailed street information.

The Where To? menu helps you find your destination by providing several methods to browse, search, and save this information.

- Enter search terms to quickly search all location information.
- Browse or search pre-loaded points of interest by category.
- Search and check into Foursquare® points of interest
- Use search tools to find specific locations, such as addresses, intersections, or geographic coordinates.
- Search near a different city or area.
- Save your favorite locations to find them quickly in the future.
- Return to recently found locations.

Points of Interest

A point of interest is a place that you may find useful or interesting. Points of interest are organized by category and can include popular travel destinations such as gas stations, restaurants, hotels, and entertainment venues.

Finding a Location Using the Search Bar

You can use the search bar to search for locations by entering a category, brand name, address, or city name.

- 1 Select **Where To?**.
- 2 Select **Enter Search** in the search bar.
- 3 Enter all or part of the search term.
Suggested search terms appear below the search bar.
- 4 Select an option:
 - To search for a type of business, enter a category name (for example, "movie theaters").
 - To search for a business name, enter all or part of the name.
 - To search for an address near you, enter the house number and street name.
 - To search for an address in another city, enter the house number, street name, city, and state.
 - To search for a city, enter the city and state.
 - To search for coordinates, enter latitude and longitude coordinates.
- 5 Select an option:
 - To search using a suggested search term, select the term.
 - To search using the text you entered, select **Q**.
- 6 If necessary, select a location.

Finding a Location by Category

- 1 Select **Where To?**.
- 2 Select a category, or select **Categories**.
- 3 If necessary, select a subcategory.
- 4 Select a location.

Searching Within a Category

After you have performed a search for a point of interest, certain categories may display a Quick Search list that shows the last four destinations you selected.

- 1 Select **Where To?** > **Categories**.
- 2 Select a category.
- 3 Select an option:
 - Select a destination from the quick search list on the right side of the screen.
The quick search list provides a list of recently found locations in the selected category.
 - Select a subcategory, if necessary, and select a destination.

Location Search Results

By default, the location search results appear in a list, with the nearest location at the top. You can scroll down to view more results.

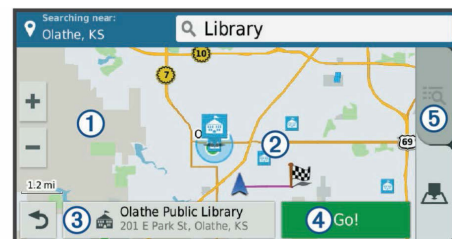


①		Select a location to view the option menu.
②	i	Select to view detailed information about the selected location.
③	P	Select to find parking areas near the location.
④	Y	Select to view alternate routes to the locations.
⑤	Go!	Select to start navigating to the location using the recommended route.
⑥		Select to view the search results on the map.

Location Search Results on the Map

You can view the results of a location search on the map instead of in a list.

From the location search results, select . The nearest location appears at the center of the map, and basic information about the selected location appears at the bottom of the map.




①		Drag the map to view additional search results.
②		Additional search results. Select to view another location.
③		Selected location summary.
④	Go!	Select to start navigating to the location using the recommended route.
⑤		Select to view the search results in a list.

Changing the Search Area

By default, the device searches near your current location. You can also search other areas, such as near your destination, near another city, or along your active

route.

- 1 Select **Where To?**.
- 2 Select .
- 3 Select an option.

Parking

Your Garmin Drive device includes detailed parking data, which can help you find nearby parking.

NOTE: Detailed parking data is not available in all areas or for all parking locations.

Finding Parking Near Your Current Location

- 1 Select **Where To? > Categories > Parking**.
- 2 Select a parking location.
- 3 Select **Go!**.

Finding Parking Near a Specified Location

- 1 Search for a location.
- 2 From the location search results, select a location.
- 3 Select **P**.
A list of parking areas near the selected location appears.
- 4 Select **Filter Parking**, and select one or more categories to filter parking by availability, type, price, or payment methods (optional).

NOTE: Detailed parking data is not available in all areas or for all parking locations.

- 5 Select a parking location.
- 6 Select **Go!**.

Search Tools

Search tools allow you to search for specific types of locations by responding to on-screen prompts.

Finding an Address

NOTE: The order of the steps may change depending on the map data loaded on your device.


- 1 Select **Where To?**.
- 2 If necessary, select **Searching near:** to change the search area.
- 3 Select **Address**.
- 4 Follow the on-screen instructions to enter address information.
- 5 Select the address.

Finding an Intersection

You can search for an intersection or junction between two streets, highways, or other roads.


- 1 Select **Where To? > Categories > Intersections**.
- 2 Follow the on-screen instructions to enter street information.
- 3 Select the intersection.

Finding a City

- 1 Select **Where To? > Categories > Cities**.
- 2 Select an option:
 - Select a city from the list of nearby cities.
 - To search near another location, select **Searching near**.
 - To search for a city by name, select **Enter Search**, enter a city name, and select .

Finding a Location Using Coordinates

You can find a location using latitude and longitude coordinates. This can be helpful when geocaching.

- 1 Select **Where To? > Categories > Coordinates**.
- 2 If necessary, select , and change the coordinate format or datum.
- 3 Enter the latitude and longitude coordinates.
- 4 Select **View on Map**.

Foursquare

Foursquare is a location-based social network. Your device includes pre-loaded Foursquare points of interest, which are indicated by the Foursquare logo in your location search results.

Searching Foursquare Points of Interest


You can search for Foursquare points of interest loaded on your device.

Select **Where To? > Categories > Foursquare®**.

Viewing Foursquare Location Details


Before you can view Foursquare location details, you must connect to a supported phone running Smartphone Link and log in to your Foursquare account.

You can view detailed Foursquare location information, such as user ratings, restaurant pricing information, and hours of operation.

- 1 From the location search results, select a Foursquare point of interest.
- 2 Select .

Checking in with Foursquare

Before you can check in with Foursquare, you must connect to a supported phone running Smartphone Link and log in to your Foursquare account.

- 1 Select **Apps > Foursquare® > Check In**.
- 2 Select a point of interest.
- 3 Select  **> Check In**.

TripAdvisor

Your device includes TripAdvisor points of interest and ratings. TripAdvisor ratings appear automatically in the search results list for applicable points of interest. You can also search for nearby TripAdvisor points of interest and sort by distance or popularity.

Finding TripAdvisor Points of Interest

- 1 Select **Where To?** > **Categories** > **TripAdvisor**.
- 2 Select a category.
A list of nearby TripAdvisor points of interest for the category appears.
- 3 Select **Sort Results** to sort the search results by distance or popularity (optional).

Viewing Recently Found Locations

Your device stores a history of the last 50 locations you have found.

Select **Where To?** > **Recent**.

Clearing the List of Recently Found Locations

Select **Where To?** > **Recent** >  > **Clear** > **Yes**.


Viewing Current Location Information

You can use the **Where Am I?** page to view information about your current location. This feature is helpful if you need to tell emergency personnel your location.

From the map, select the vehicle.


Finding Emergency Services and Fuel

You can use the **Where Am I?** page to find the nearest hospitals, police stations, and fuel stations.

- 1 From the map, select the vehicle.
- 2 Select **Hospitals**, **Police Stations**, **Fuel**, or **Roadside Assist**.
NOTE: Some service categories are not available in all areas.
A list of locations for the selected service appears, with the nearest locations at the top.
- 3 Select a location.
- 4 Select an option:
 - To navigate to the location, select **Go!**.
 - To view the phone number and other location details, select .

Getting Directions to Your Current Location

If you need to tell another person how to get to your current location, your device can give you a list of directions.

- 1 From the map, select the vehicle.
- 2 Select  > **Directions to Me**.
- 3 Select a starting location.
- 4 Select **Select**.

Adding a Shortcut


You can add shortcuts to the **Where To?** menu. A shortcut can point to a location, a category, or a search tool.

The **Where To?** menu can contain up to 36 shortcut icons.

- 1 Select **Where To?** > **Add Shortcut**.



- 2 Select an item.

Removing a Shortcut

- 1 Select **Where To?** >  > **Remove Shortcut(s)**.
- 2 Select a shortcut to remove.
- 3 Select the shortcut again to confirm.
- 4 Select **Save**.

Saving Locations



Saving a Location

- 1 Search for a location.
- 2 From the search results, select a location.
- 3 Select .
- 4 Select  > **Save**.
- 5 If necessary, enter a name, and select **Done**.

Saving Your Current Location

- 1 From the map, select the vehicle icon.
- 2 Select **Save**.
- 3 Enter a name, and select **Done**.
- 4 Select **OK**.



Editing a Saved Location

- 1 Select **Where To?** > **Saved**.
- 2 If necessary, select a category.
- 3 Select a location.
- 4 Select .
- 5 Select  > **Edit**.
- 6 Select an option:
 - Select **Name**.
 - Select **Phone Number**.
 - Select **Categories** to assign categories to the saved location.
 - Select **Change Map Symbol** to change the symbol used to mark the saved location on a map.
- 7 Edit the information.
- 8 Select **Done**.

Assigning Categories to a Saved Location


You can add custom categories to organize your saved locations.

NOTE: Categories appear in the saved locations menu after you have saved at least 12 locations.

- 1 Select **Where To?** > **Saved**.
- 2 Select a location.
- 3 Select .
- 4 Select  > **Edit** > **Categories**.
- 5 Enter one or more category names, separated by commas.
- 6 If necessary, select a suggested category.
- 7 Select **Done**.



Deleting a Saved Location

NOTE: Deleted locations cannot be recovered.

- 1 Select **Where To? > Saved**.
- 2 Select  **> Delete Saved Places**.
- 3 Select the box next to the saved locations to delete, and select **Delete**.

Using the Map

You can use the map to navigate a route ([Your Route on the Map, page 3](#)) or to view a map of your surroundings when no route is active.

- 1 Select **View Map**.
- 2 Touch anywhere on the map.
- 3 Select an option:
 - Drag the map to pan left, right, up, or down.
 - To zoom in or out, select **+** or **-**.
 - To switch between North Up and 3-D views, select .
 - To filter the displayed points of interest by category, select .
 - To start a route, select a location on the map, and select **Go!**.

Map Tools

Map tools provide quick access to information and device functions while you view the map.

When you activate a map tool, it appears in a panel at the edge of the map.

Stop: Stops navigation of the active route.

Change Route: Allows you to take a detour or skip locations in your route.

Up Ahead: Displays upcoming locations along the route or the road on which you are traveling.



Turns: Displays a list of upcoming turns in your route

Trip Data: Displays customizable trip data, such as speed or mileage.

Volume: Adjusts the master audio volume.

Brightness: Adjusts the screen brightness.

Viewing a Map Tool

- 1 From the map, select .
- 2 Select a map tool.
The map tool appears in a panel at the edge of the map.
- 3 When you are done using the map tool, select .

Enabling Map Tools

By default, only the most commonly used map tools are enabled in the map tools menu. You can add up to 12 tools to the menu.

- 1 From the map, select  **> **.
- 2 Select the check box next to each tool to add.

- 3 Select **Save**.

Up Ahead



The Up Ahead tool provides information about upcoming locations along your route or the road on which you are traveling.

You can view upcoming points of interest, such as restaurants, fuel stations, or rest areas. When traveling on a highway, you can also view information and available services for upcoming exits and cities, similar to the information on highway road signs.

You can customize three categories to show in the Up Ahead tool.

Customizing the Up Ahead Categories

You can change the location categories that appear in the Up Ahead tool.

- 1 From the map, select  **> Up Ahead**.
- 2 Select a category.
- 3 Select .
- 4 Select an option:
 - To move a category up or down in the list, select and drag the arrow next to the category name.
 - To change a category, select the category.
 - To create a custom category, select a category, select **Custom Search**, and enter the name of a business or category.
- 5 Select **Done**.


Trip Information

Viewing Trip Data from the Map

Before you can view trip data on the map, you must add the tool to the map tools menu.

From the map, select  **> Trip Data**.

Customizing the Trip Data Fields

- 1 From the map, select  **> Trip Data**.
- 2 Select a trip data field.
- 3 Select an option.
The new trip data field appears in the trip data map tool.

Viewing the Trip Information Page

The trip information page displays your speed and provides statistics about your trip.

NOTE: If you make frequent stops, leave the device turned on, so it can accurately measure elapsed time during the trip.

From the map, select **Speed**.


Viewing the Trip Log

Your device keeps a trip log, which is a record of the path you have traveled.

- 1 Select **Settings > Map & Vehicle > Map Layers**.

- 2 Select the **Trip Log** check box.

Resetting Trip Information

- 1 From the map, select **Speed**.
- 2 Select  > **Reset Field(s)**.
- 3 Select an option:
 - When not navigating a route, select **Select All** to reset every data field except the speedometer, on the first page.
 - Select **Reset Trip Data** to reset the information on the trip computer.
 - Select **Reset Max. Speed** to reset the maximum speed.
 - Select **Reset Trip B** to reset the odometer.

Customizing the Map

Customizing the Map Layers

You can customize which data appear on the map, such as icons for points of interest and road conditions.

- 1 Select **Settings > Map & Vehicle > Map Layers**.
- 2 Select the layers to include on the map, and select **Save**.

Changing the Map Data Field

- 1 From the map, select a data field.
NOTE: You cannot customize **Speed**.
- 2 Select a type of data to display.


Changing the Map Perspective

- 1 Select **Settings > Map & Vehicle > Driving Map View**.
- 2 Select an option:
 - Select **Track Up** to display the map in two dimensions (2-D), with your direction of travel at the top.
 - Select **North Up** to display the map in 2-D with north at the top.
 - Select **3-D** to display the map in three dimensions.
- 3 Select **Save**.

Using the Apps

Viewing the Owner's Manual on Your Device

You can view the complete owner's manual on the device screen in many languages.

- 1 Select **Apps > Owner's Manual**.
The owner's manual appears in the same language as the software text.
- 2 Select  to search the owner's manual (optional).

Trip Planner

You can use the trip planner to create and save a trip, which you can navigate later. This can be useful for planning a delivery route, a vacation, or a road trip.

You can edit a saved trip to further customize it, including reordering locations, optimizing the order of stops, adding suggested attractions, and adding shaping points.




You can also use the trip planner to edit and save your active route.

Planning a Trip

A trip can include many destinations, and it must include at least a starting location and one destination. The starting location is the location from which you plan to start your trip. If you start navigating the trip from a different location, the device gives you the option to route to your starting location first. For a round trip, the starting location and final destination can be the same.

- 1 Select **Apps > Trip Planner > New Trip**.
- 2 Select **Select Start Location**.
- 3 Choose a location for your starting point, and select **Select**.
- 4 Select **Select Destination**.
- 5 Choose a location for a destination, and select **Select**.
- 6 Select **Add Location** to add more locations (optional).
- 7 After you have added all the necessary locations, select **Next > Save**.
- 8 Enter a name, and select **Done**.

Editing and Reordering Locations in a Trip

- 1 Select **Apps > Trip Planner > Saved Trips**.
- 2 Select a saved trip.
- 3 Select a location.
- 4 Select an option:
 - To move the location up or down, select , and drag the location to a new position in the trip.
 - To add a new location after the selected location, select .
 - To remove the location, select .


Optimizing the Order of Destinations in a Trip

The device can automatically optimize the order of destinations in your trip to create a shorter, more efficient route. The starting location and final destination are not changed when you optimize the order.

While editing a trip, select  > **Optimize Order**.


Discovering Attractions Along Your Trip

The device can suggest interesting or popular attractions to add to your trip.

- 1 While editing a trip, select  > **Trip Settings > Suggest Attractions**.
- 2 Select an attraction to view more information.
- 3 Select **Select** to add the attraction to your trip.

Changing Routing Options for a Trip

You can customize how the device calculates the route when you start your trip.

- 1 Select **Apps > Trip Planner > Saved Trips**.
- 2 Select a saved trip.
- 3 Select  > **Trip Settings**.
- 4 Select an option:

Navigating to a Saved Trip

- 1 Select **Apps > Trip Planner > Saved Trips**.
- 2 Select a saved trip.
- 3 Select **Go!**.
- 4 Select the first location to navigate to, and select **Start**.

The device calculates a route from your current location to the selected location, and then it guides you to the remaining trip destinations in order.

Editing and Saving Your Active Route

If a route is active, you can use the trip planner to edit and save your route as a trip.

- 1 Select **Apps > Trip Planner > My Active Route**.
- 2 Edit your route using any of the trip planner features.
The route recalculates each time you make a change.
- 3 Select **Save** to save your route as a trip, which you can navigate again later (optional).

Viewing Previous Routes and Destinations

Before you can use this feature, you must enable the travel history feature.

You can view your previous routes and places you have stopped on the map.

Select **Apps > Where I've Been**.

Garmin Drive Settings

Map and Vehicle Settings

Select **Settings > Map & Vehicle**.

Vehicle: Sets the icon that represents your position on the map.

Map Detail: Sets the level of detail on the map. More detail may cause the map to draw slower.

Map Theme: Changes the color of the map data.

Map Tools: Sets the shortcuts that appear in the map tools menu.

Driving Map View: Sets the perspective on the map.

Map Layers: Sets the data that appears on the map page

Customizing the Map Layers

Auto Zoom: Automatically selects the zoom level for optimal use of your map. When disabled, you must

zoom in or out manually.

myMaps: Sets which installed maps the device uses.

Enabling Maps

You can enable map products installed on your device.

TIP: To purchase additional map products, go to <http://buy.garmin.com>.

- 1 Select **Settings > Map & Vehicle > myMaps**.
- 2 Select a map.

Navigation Settings

Select **Settings > Navigation**.

Route Preview: Shows a preview of the major roads in your route when you start navigation.

Calculation Mode: Sets the route calculation method.

Avoidances: Sets road features to avoid on a route.

Custom Avoidances: Allows you to avoid specific roads or areas.

Toll Roads: Sets preferences for avoiding toll roads.

Tolls and Fees: Sets preferences for avoiding toll roads and toll stickers.

NOTE: This feature is not available in all areas.

Environmental Zones: Sets the avoidance preferences for areas with environmental or emissions restrictions that may apply to your vehicle.

Restricted Mode: Disables all functions that require significant operator attention.

NOTE: This feature is not available in all areas.

GPS Simulator: Stops the device from receiving a GPS signal, and saves battery power.

Calculation Mode Settings

Select **Settings > Navigation > Calculation Mode**.

The route calculation is based on road speeds and vehicle acceleration data for a given route.

Faster Time: Calculates routes that are faster to drive but can be longer in distance.

Shorter Distance: Calculates routes that are shorter in distance but can take more time to drive.

Off Road: Calculates a direct line from your location to your destination.

Setting a Simulated Location

If you are indoors or not receiving satellite signals, you can use the GPS simulator to plan routes from a simulated location.

- 1 Select **Settings > Navigation > GPS Simulator**.
- 2 From the main menu, select **View Map**.
- 3 Tap the map twice to select an area.
The address of the location appears at the bottom of the screen.
- 4 Select the location description.
- 5 Select **Set Location**.

Driver Assistance Settings

Select **Settings > Driver Assistance**.

Audible Driver Alerts: Enables an audible alert for each type of driver alert.

Fatigue Warning: Alerts you when you have been driving for a long period without a break.

Proximity Alerts: Alerts you when you are near custom points of interest or red light cameras.

NOTE: You must have custom points of interest (POIs) loaded for proximity points alerts to display. This feature is not available in all areas.

Display Settings

Select **Settings > Display**.

Orientation: Allows you to set the display to portrait (vertical) or landscape (horizontal).

Color Mode: Allows you to select day or night color mode. If you select the Auto option, the device automatically switches to day or night colors based on the time of day.

Brightness: Allows you to adjust the display brightness. Display

Timeout: Allows you to set the amount of idle time before your device enters sleep mode while using battery power.

Screenshot: Allows you to take a picture of the device screen. Screenshots are saved in the Screenshot folder of the device storage.

Units and Time Settings

To open the Units and Time settings page, from the main menu, select **Settings > Units & Time**.

Current Time: Sets the device time.

Time Format: Allows you to select a 12-hour, 24-hour, or UTC display time.

Units: Sets the unit of measure used for distances.

Position Format: Sets the coordinate format and datum used for geographical coordinates.

Setting the Time

- 1 From the main menu, select the time.
- 2 Select an option:
 - To set the time automatically using GPS information, select **Automatic**.
 - To set the time manually, drag the numbers up or down.

Language and Keyboard Settings

To open the Language and Keyboard Settings, from the main menu, select **Settings > Language & Keyboard**.

Voice Language: Sets the language for voice prompts.

Text Language: Sets all on-screen text to the selected language.

NOTE: Changing the text language does not change the language of user-entered data or map data, such as street names.

Keyboard Language: Enables keyboard languages.

Proximity Alerts Settings

NOTE: You must have custom points of interest (POIs) loaded for proximity points alerts to display.

NOTE: This feature is not available in all areas.

Select **Settings > Proximity Alerts**.

Audio: Sets the style of alert that plays when you approach proximity points.

Alerts: Sets the type of proximity points for which alerts are played.

Device and Privacy Settings

Select **Settings > Device**.

About: Displays the software version number, the unit ID number, and information on several other software features.

Regulatory: Displays regulatory markings and information.

EULAs: Displays the end-user license agreements.

NOTE: You need this information when you update the system software or purchase additional map data.


Position Reporting: Shares your position information with Garmin to improve content.

Travel History: Allows the device to record information for the myTrends, Where I've Been, and Trip Log features.

Clear Travel History: Clears your travel history for the myTrends, Where I've Been, and Trip Log features.

Restoring Settings

You can restore a category of settings or all settings to the factory default values.

- 1 Select Settings.
- 2 If necessary, select a settings category.
- 3 Select  > **Restore**.

Device Information

Viewing Regulatory and Compliance Information

- 1 From the settings menu, swipe to the bottom of the menu.
- 2 Select **Device > Regulatory**.

Specifications

Operating temperature range	From -20° to 55°C (from -4° to 131°F)
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Charging temperature range	From 0° to 45°C (from 32° to 113°F)
Power input	Vehicle power using the included vehicle power cable. AC power using an optional accessory (for home and office use only).
Battery type	Rechargeable lithium-ion

Charging the Device

NOTE: This Class III product shall be powered by an LPS power supply.

You can charge the battery in the device using any of these methods.

- Connect the device to vehicle power.
- Connect the device to an optional power adapter accessory, such as a wall power adapter. You can purchase an approved Garmin AC-DC adapter suitable for home or office use from a Garmin dealer or Garmin.com. The device may charge slowly when connected to a third-party adapter.

Device Maintenance

Support and Updates

Garmin Express (Garmin.com/express) provides easy access to these services for Garmin devices.

- Product registration
- Product manuals
- Software updates
- Map, chart, or course updates

Updating Maps and Software with Garmin Express

You can use Garmin Express software to download and install the latest map and software updates for your device.

Garmin Express is available for Windows® and Mac® computers.

1 On your computer, go to Garmin.com/express.



2 Select an option:

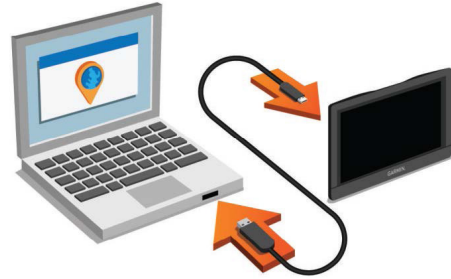
- To install on a Windows computer, select **Download for Windows**.

- To install on a Mac computer, select **Download for Mac**.

3 Open the downloaded file, and follow the on-screen instructions to complete the installation.

4 Start Garmin Express.

5 Connect your Garmin Drive device to your computer using a USB cable.



6 On your computer, click **Add a Device**.

The Garmin Express software detects your device.

7 Click **Add Device**.

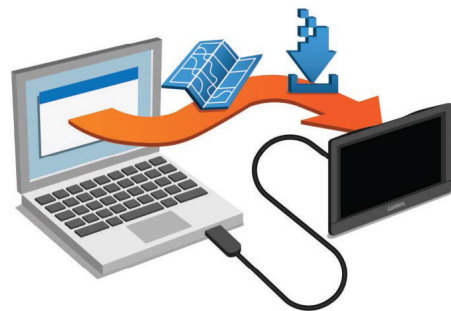
8 Follow the on-screen instructions to register your device and add it to the Garmin Express software.

When setup is complete, the Garmin Express software searches for map and software updates for your device.

9 Select an option:

- To install all available updates, click **Install All**.
- To install a single update, click **View Details** and select an update.

NOTE: If a map update is too large for the internal storage of the device, the software may prompt you to install a microSD® card in your device to add storage space ([Installing a Memory Card for Maps and Data, page 15](#)).



The Garmin Express software downloads and installs the updates onto your device. Map updates are very large, and this process may take a long time on slower Internet connections.

Device Care

NOTICE

Avoid dropping your device.

Do not store the device where prolonged exposure to extreme temperatures can occur, because it can cause

permanent damage.

Never use a hard or sharp object to operate the touchscreen, or damage may result.

Do not expose the device to water.

Cleaning the Outer Casing

NOTICE

Avoid chemical cleaners and solvents that can damage plastic components.

- 1 Clean the outer casing of the device (not the touchscreen) using a cloth dampened with a mild detergent solution.
- 2 Wipe the device dry.

Cleaning the Touchscreen

- 1 Use a soft, clean, lint-free cloth.
- 2 If necessary, lightly dampen the cloth with water.
- 3 If using a dampened cloth, turn off the device and disconnect the device from power.
- 4 Gently wipe the screen with the cloth.

Avoiding Theft

- Remove the device and mount from sight when not in use.
- Remove the residue left on the windshield by the suction cup.
- Do not keep your unit in the glove compartment.
- Register your device using the Garmin Express software (Garmin.com/express).

Resetting the Device

You can reset your device if it stops functioning.

Hold the power key for 12 seconds.

Removing the Device, Mount, and Suction Cup

Removing the Device from the Mount

- 1 Press the release tab or button on the mount.
- 2 Tilt the bottom of the device upward, and lift the device from the mount.

Removing the Mount from the Suction Cup

- 1 Turn the device mount to the right or left.
- 2 Apply pressure until the socket on the mount releases the ball on the suction cup.

Removing the Suction Cup from the Windshield

- 1 Flip the lever on the suction cup toward you.
- 2 Pull the tab on the suction cup toward you.

Changing the Fuse in the Vehicle Power Cable

NOTICE

When replacing the fuse, do not lose any of the small pieces and make sure they are put back in the proper position. The vehicle power cable does not work unless it is assembled correctly.

If your device does not charge in your vehicle, you may need to replace the fuse located at the tip of the vehicle adapter.

- 1 Rotate the end piece ① counter clockwise to unlock it.



TIP: You may need to use a coin to remove the end piece.

- 2 Remove the end piece, the silver tip ②, and the fuse ③.
- 3 Insert a new fast-blow fuse that has the same current, such as 1 A or 2 A.
- 4 Place the silver tip in the end piece.
- 5 Push in the end piece and rotate it clockwise to lock it back into the vehicle power cable ④.

Troubleshooting

The suction cup will not stay on my windshield

- 1 Clean the suction cup and windshield with rubbing alcohol.
- 2 Dry with a clean, dry cloth.
- 3 Mount the suction cup.

My device is not acquiring satellite signals

- Verify the GPS simulator is turned off.
- Take your device out of parking garages and away from tall buildings and trees.
- Remain stationary for several minutes.

The device does not charge in my vehicle

- Check the fuse in the vehicle power cable .
- Verify the vehicle is turned on and is supplying power to the power outlet.
- Verify the interior temperature of the vehicle is within the charging temperature range indicated in the specifications.
- Verify the fuse is not broken in the vehicle power outlet.

My battery does not stay charged for very

long

- Decrease the screen brightness.
- Shorten the display timeout.
- Decrease the volume.
- Put the device in power saving mode when not in use.
- Keep your device away from extreme temperatures.
- Do not leave your device in direct sunlight.

Appendix

Installing a Memory Card for Maps and Data

You can install a memory card to increase the storage space for maps and other data on your device. You can purchase memory cards from an electronics supplier, or go to www.garmin.com/maps to purchase a memory card with pre-loaded Garmin mapping software. The device supports microSD memory cards from 4GB to 32 GB.

- 1 Locate the map and data memory card slot on your device.
- 2 Insert a memory card into the slot.
- 3 Press it in until it clicks.

Data Management

You can store files on your device. The device has a memory card slot for additional data storage.

NOTE: The device is not compatible with Windows 95, 98, Me, Windows NT®, and Mac OS 10.3 and earlier.

About Memory Cards

You can purchase memory cards from an electronics supplier, or purchase pre-loaded Garmin mapping software (www.garmin.com).

In addition to map and data storage, the memory card can be used to store files such as maps, images, geocaches, routes, waypoints, and custom POIs.

Connecting the Device to Your Computer

You can connect the device to your computer using a USB cable.

- 1 Plug the small end of the USB cable into the port on the device.
- 2 Plug the larger end of the USB cable into a port on your computer.

A picture of your device connected to a computer appears on the device screen.

Depending on your computer operating system, the device appears as either a portable device, a removable drive, or a removable volume.

Transferring Data From Your Computer

- 1 Connect the device to your computer.
Depending on your computer operating system,

the device appears as either a portable device, a removable drive, or a removable volume.

- 2 On your computer, open the file browser.
- 3 Select a file.
- 4 Select **Edit > Copy**.
- 5 Browse to a folder on the device.

NOTE: For a removable drive or volume, you should not place files in the Garmin folder.

- 6 Select **Edit > Paste**.


Disconnecting the USB Cable

If your device is connected to your computer as a removable drive or volume, you must safely disconnect your device from your computer to avoid data loss.

If your device is connected to your Windows computer as a portable device, it is not necessary to safely disconnect.

- 1 Complete an action:
 - For Windows computers, select the **Safely Remove Hardware** icon in the system tray, and select your device.
 - For Mac computers, drag the volume icon to the trash.
- 2 Disconnect the cable from your computer.

Viewing GPS Signal Status

Hold  for three seconds.

Purchasing Additional Maps

- 1 Go to your device product page at garmin.com.
- 2 Click the **Maps** tab.
- 3 Follow the on-screen instructions.

Purchasing Accessories

Go to Garmin.com/accessories.



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