



# nüvi® 1490TV owner's manual



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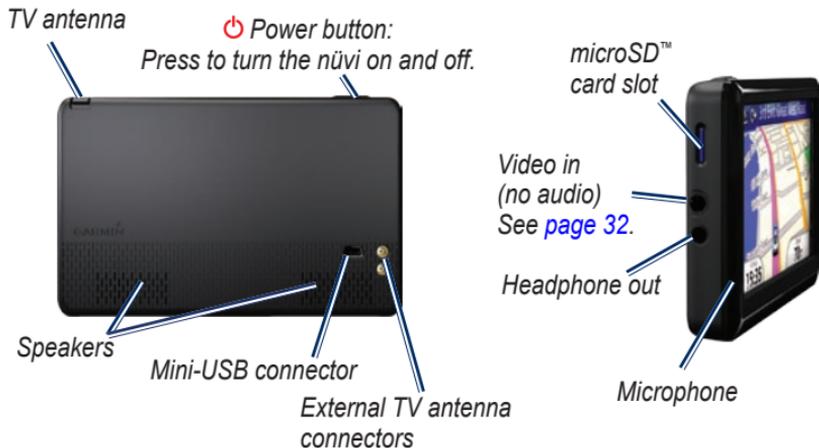
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# Getting Started

## Looking at Your nüvi



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



## Using the Main Menu



- 1 GPS satellite strength.
- 2 Bluetooth® technology status.
- 3 Touch to select a usage mode.
- 4 Current time. Touch to change time settings.
- 5 Battery status.
- 6 Touch to find a destination.
- 7 Touch to view the map.
- 8 Touch to make a call when connected to a [compatible mobile phone](#).
- 9 Touch to use the TV feature.
- 10 Touch to adjust the volume.

- 11 Touch to use the tools.

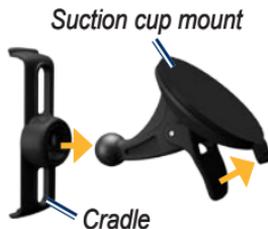
## Setting Up Your nÜvi

### **WARNING**

This product contains a lithium-ion battery. To prevent serious bodily injury or damage to the unit or vehicle, remove the unit from the vehicle when exiting or store it out of direct sunlight.

### Mounting Your nÜvi

1. Remove the clear plastic from the suction cup. Place the suction cup on the windshield.



2. Flip the lever back toward the windshield.
3. Snap the cradle onto the suction cup arm.
4. Plug the vehicle power cable into the back of your nüvi.
5. Plug the other end of the vehicle power cable into a power outlet in your vehicle. Your unit should turn on automatically if it is plugged in and the vehicle is running. Follow the on-screen instructions.
6. Fit the bottom of your nüvi into the cradle.
7. Tilt your nüvi back until it snaps into place.



*Vehicle power cable*

8. To expand the signal range, connect the external antenna to the traffic receiver and secure it to the windshield using the suction cups.

### Acquiring Satellites

1. Go outdoors to an open area, away from tall buildings and trees.
2. Turn on your nüvi.

Acquiring satellite signals can take a few minutes. The  bars indicate satellite strength. When at least one of the bars is green, your nüvi has acquired satellite signals.

### Charging Your nüvi

Charge your nüvi for at least 4 hours before using it on battery power.

- Connect the vehicle power cable.
- Connect the USB cable.
- Connect an AC adapter.

## Selecting a Usage Mode



*Pedestrian*



*Bicycle*



*Automobile*

Your nüvi offers several usage modes for navigation methods. Routing is calculated differently based on your usage mode. For example, in Pedestrian mode with cityXplorer™ maps loaded, a route is calculated using a combination of public transit options, such as riding a bus or subway, and walking. cityXplorer maps are not included with your nüvi. See [www.garmin.com](http://www.garmin.com) to purchase cityXplorer maps.

### To change your usage mode:

1. From the Main menu, touch the usage mode icon on the upper-left corner.
2. Select a mode, and touch **OK**.
3. Touch **Yes**, and follow the on-screen instructions to configure your settings.

### Navigating Off Road

If you are not following roadways as you navigate, use Off Road mode. Touch **Tools** > **Settings** > **Navigation** > **Route Preference** > **Off Road** > **OK**.

## Using the Power Button

Press and quickly release  to view additional options:

- Touch  and  to adjust the screen brightness.
- Touch **Lock Screen** to prevent accidental screen touches.
- Touch **Power Off** to turn off your nüvi. You can also turn off the nüvi by holding  for 2 seconds.
- If your nüvi stops functioning, reset your nüvi by pressing and holding  for 10 seconds.

## Adjusting the Volume

From the Main menu, touch **Volume**. Touch  and  to adjust the volume. Touch the box next to **Mute** to mute all audio.

## Navigating the Screens

- To quickly return to the Main menu, touch and hold .
- Touch  and  to see more choices. Touch and hold to scroll faster.

## Finding Your Destination

The Where To? menu provides several different categories for you to use when searching for addresses, cities, and other locations. The detailed maps loaded in your nüvi contain millions of points of interest, such as restaurants, hotels, and auto services.

1. Touch **Where To?**.



2. Select a category.



3. Select a subcategory.



4. Select a destination.



5. Touch **Go!**.



## Navigating in Pedestrian Usage Mode

### Using the Itinerary Page

In Pedestrian usage mode, the Itinerary page appears after you touch **Go!**.

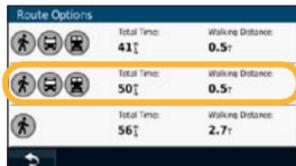
Select a leg of the route to view more detailed instructions, or touch **Start** to create a route.



### Using the Route Options Page

In Pedestrian usage mode, the Route Options page appears after you touch **Go!** if you have cityXplorer maps for the current metropolitan area loaded on your nüvi. See [www.garmin.com](http://www.garmin.com) to purchase cityXplorer maps.

1. Select a route from the Route Options page to view the Itinerary page. Each route on the page offers a different combination of public transit or pedestrian options.



2. Touch **Start**.



## Adding a Stop

1. While navigating a route, touch  > **Where To?**.
2. Search for the extra stop.
3. Touch **Go!**.
4. Touch **Add as Via Point** to add this stop before your final destination.

## Changing Destinations

1. While navigating a route, touch  > **Where To?**.
2. Search for the extra stop.
3. Touch **Go!**.
4. Touch **Set as New Destination** to make this your final destination.

## Taking a Detour

1. While navigating a route, touch .
2. Touch **Detour**.

If the route you are currently taking is the only reasonable option, the nūvi might not calculate a detour.

## Stopping the Route

1. With a route active, touch **Menu**.
2. Touch **Stop**.

## Where To?

The Where To? menu provides several different categories you can use to search for locations. To learn how to perform a simple search, see [page 9](#).

### Finding an Address

**NOTE:** Depending on the version of the maps loaded on your nüvi, the button names can change and some steps could be ordered differently.

1. Touch **Where To? > Address**.
2. Change the state, the country, or the province, if necessary.
3. Touch **Search All**.

If you know the city, touch **Spell City**, enter the city/postal code, and touch **Done**. Select the city/postal code in the list. (Not all map data provides postal code searching.)

4. Enter the number of the address, and touch **Done**.
5. Enter the street name, and touch **Done**.
6. Select the correct street in the list, if necessary.
7. Touch the address, if necessary.

### Setting a Home Location

Set your home location for the place you return to most often.

1. To set your home location, touch **Where To? > Go Home**.
2. Select an option:
  - Enter your address.
  - Use your current location.
  - Choose from a list of recently found locations.

### Going Home

To navigate home after you have set your home location, touch **Where To? > Go Home**.

## Changing Your Home Location

1. Touch **Tools** > **My Data** > **Set Home Location**.
2. Select an option:
  - Enter your address.
  - Use your current location.
  - Choose from a list of recently found locations.

## Editing Your Home Location

1. Touch **Where To?** > **Favorites** > **All Favorites** > **Home**.
2. Touch **Edit**, enter your changes, and touch **Done**.

If you delete your home location, you can reset it by following the steps on [page 12](#).

## Using the Go! Page

After you have selected a location to navigate to, the Go! page opens.



- 1 Touch to call this location when connected to a phone.
- 2 Touch to view more information for the location.
- 3 Touch **+** and **-** to zoom in and out.
- 4 Touch to save this location to your Favorites.
- 5 Touch to create a turn-by-turn route to this location.
- 6 Touch to return to the previous page. Touch and hold to return to the Main menu.

## Providing Feedback on Points of Interest

1. On the **Go!** page, touch the white box. Detailed information for the location appears.
2. Touch **Feedback** for the following options:
  - **Edit Rating**—touch a circle to give the point of interest (POI) a rating from 1 to 5 stars.
  - **Report Error**—the item will be removed from future searches. Reports will be sent to Garmin when your nüvi is connected to a computer. See [page 33](#).
  - **Edit Phone Number**—use the keyboard to change the phone number.

## Finding a Place by Spelling the Name

Use the on-screen keyboard to spell the name of the destination you are looking for. You can also enter letters contained in the name to narrow the search.

1. Touch **Where To? > Points of Interest > Spell Name**.
2. Using the on-screen keyboard, enter letters of the name of your destination.
3. Touch **Done**.

## Using the On-Screen Keyboard

When an on-screen keyboard appears, touch a letter or a number to enter it.



Touch  to add a space. Touch  and  to move the cursor. Touch  to delete a character. Touch and hold  to erase the entire entry.

Touch **Mode** to select the keyboard language mode. Touch  to enter special characters, such as punctuation marks. To change the keyboard layout, see [page 46](#).

## Searching Near Another Location

1. Touch **Where To?** > **Near**.
2. Select an option:
  - **Where I Am Now**—search near your current location.
  - **A Different City**—search near the city you enter.
  - **A Recent Destination**—search near a recent destination.
  - **A Favorite Destination**—select a destination from Favorites.
  - **My Current Route**—search along your active route.
  - **My Destination**—search near your current destination.

## Finding Recently Found Places

Your nüvi stores the last 50 of your recent finds in the Recently Found list. The most-recently viewed places appear at the top of the list. Touch **Where To?** > **Recently Found** to view your recently found items.

## Deleting Recently Found Places

To remove all places from the Recently Found list, touch **Clear** > **Yes**. All items from the list are removed, but this does not delete the actual places from your nüvi.

## Using Favorites

You can save places in your Favorites so you can quickly find them and create routes to them. Your home location is also stored in Favorites.

## Saving Your Current Location

From the Map page, touch . Touch **Save Location** to save your current location.

## Saving Places You Find

1. From the Go! page, touch **Save**.
2. Touch **OK**. The place is saved in **Favorites**.

## Finding Saved Places

1. Touch **Where To?**.
2. Touch **Favorites**.
3. Select a category. Your saved locations are listed.

## Editing Saved Places

1. Touch **Where To?** > **Favorites**.
2. Select the category and the location you want to edit.
3. Touch **Edit**.
4. Touch an item to edit:
  - **Change Name**—enter a new name, and touch **Done**.

- **Attach Photo**—select a picture that you have loaded on your nüvi or on a memory card to assign to the location.
- **Change Map Symbol**—touch a new symbol used to mark this location on the map.
- **Change Phone Number**—enter a phone number, and touch **Done**.
- **Change Categories**—select another category for the location.
- **Delete**—touch **Yes** to remove this item from the Favorites list.

## Finding a Place Using the Map

Use the Browse Map page to view different parts of the map. Touch **Where To? > Browse Map**.

## Tips for Browsing the Map

- Touch the map, and drag to view different parts of the map.
- Touch  and  to zoom in and out.
- Touch any object on the map. An arrow appears, pointing at the object, and a box displays information on the location. When the box displays **Press for more**, several POIs exist at that location. Press to see the list of POIs.
- Touch **Save** to save this location.
- Touch **Go!** to navigate to the location.
- If the GPS simulator is on, touch **Set Location** to set your location to the selected location. See [page 46](#).

## Entering Coordinates

If you know the geographic coordinates of your destination, you can use your nüvi to navigate to your destination using the latitude and longitude coordinates. This can be especially helpful when geocaching.

1. Touch **Where To? > Coordinates**.
2. Touch the coordinate you want to adjust.
3. Touch **Format** to select the correct coordinate format for the type of map you are using.
4. Enter the coordinates, and touch **Next**.

## Using Photo Navigation

You can load pictures with location information onto your nüvi and then create routes to them.

1. Go to <http://connect.garmin.com/photos> (not available in all areas) to download pictures with location information.
2. Follow instructions on the Web site to select and load pictures.
3. Touch **Where To? > Favorites > Photos**. Pictures with location information are listed.
4. Touch a picture.

## Using the Map Pages

Your route is marked with a magenta line. As you travel, your nüvi guides you to your destination with voice prompts, arrows on the map, and directions at the top of the map. A checkered flag marks your destination. If you depart from the original route, your nüvi recalculates the route and provides new directions.

A speed limit icon may appear as you travel on major roadways. This icon displays the current speed limit of the roadway.

The turn indicator also includes Lane Assist, which tells you which lane you should be in to prepare for your next maneuver.



- 1 Touch to view the Next Turn page.
- 2 Touch to view the Turn List page.
- 3 Touch  and  to zoom in and out.
- 4 Touch to view the TV.
- 5 Touch to view the Where Am I? page.
- 6 Touch to return to the Main menu.
- 7 Touch to change the data field.
- 8 Touch to view the Trip Computer.

## Viewing the Trip Computer



The trip computer displays your current speed and provides statistics about your trip. To view the trip computer, touch the **Speed** field on the map.

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

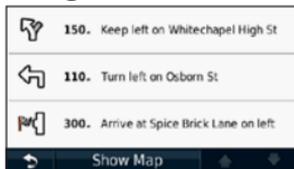
### Resetting Trip Computer Information

From the map, touch the **Speed** field. Touch **Reset** > **Reset Trip Data** to reset the information on the trip computer.

Touch **Reset** > **Reset Max** to reset the maximum speed.

Touch **Reset** > **Reset Fuel Price** to reset the fuel price.

## Viewing the Turn List



When you are navigating a route, the turn list displays turn-by-turn instructions for your entire route and the distance between turns.

Touch the text bar on the top of the map to open the turn list. Touch a turn on the list to view the next turn for that route. Touch **Show Map** to view the entire route on the Browse Map page.

## Viewing the Next Turn Page



When you are navigating a route, the next turn shows the turn on the map and the time and distance left before you reach the turn.

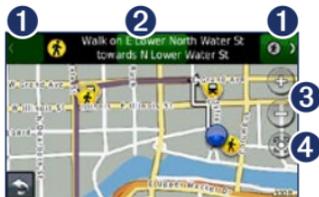
To view an upcoming turn on the map, touch the turn indicator in the top left corner of the map, or touch any turn from the turn list.

## Viewing the Junction View Page



The Junction View page displays a view of some upcoming junctions and in which lane you should be driving. To view the Junction View page, touch the upper-left corner of the Map page. To access the Junction View page from the Next Turn page, touch **Junction View**.

## Using the Pedestrian Map Page



In Pedestrian usage mode, your route is displayed on a two-dimensional map. The , , , , , and  icons indicate the navigation method for that section of the route. For example, when you see , board a bus at that point in the route.

- 1 Touch to move back and forth between legs of the route. The nüvi zooms in and out on each leg of your route, but it does not automatically move to the next leg.
- 2 Touch to view the route itinerary.
- 3 Touch to zoom in and zoom out.
- 4 Touch to recenter the map on your current location.

## Making Hands-free Phone Calls

Bluetooth wireless technology is available on the nüvi 1490.

Bluetooth wireless technology establishes a wireless link between two devices, such as a mobile phone and your nüvi. To determine whether your mobile phone with Bluetooth technology is compatible with the nüvi, go to [www.garmin.com/bluetooth](http://www.garmin.com/bluetooth).

The first time you use two devices together, you must “pair” them by establishing a relationship using a PIN or passkey. After the initial pairing, the two devices can connect automatically each time you turn them on.

**NOTE:** You might have to set your mobile phone to connect to the nüvi automatically when it is turned on.

## Pairing Your Phone

To pair and connect, your phone and the nüvi must be turned on and be within 33 ft. (10 m) of each other.

Initiate pairing from your nüvi or from your phone. Refer to your phone instructions.

## Pairing Using Your Phone Settings

1. Touch **Tools** > **Settings** > **Bluetooth**.
2. Select **Enabled**.
3. Enable the Bluetooth component on your phone. This might be in a menu called Settings, Bluetooth, Connections, or Hands-free.

4. Initiate a search for Bluetooth devices.
5. Select the nüvi from the list of devices.
6. Enter the nüvi Bluetooth PIN (**1234**) into your phone.

### Pairing Using the nüvi Settings

1. From the Main menu, touch **Tools** > **Settings** > **Bluetooth** > **Add**.
2. Enable the Bluetooth component on your phone, and enable Find Me/Discoverable/Visible mode. These settings might be in a Bluetooth, a Connections, or a Hands-free menu.
3. Touch **OK** on the nüvi.
4. Select your phone, and touch **OK**.
5. Enter the nüvi Bluetooth PIN (**1234**) in your phone.

When your phone is connected to your nüvi, you are ready to make phone calls. Touch **Phone** on the Main menu to access the Phone menu.

When you turn on the nüvi, it tries to connect to the last phone to which it was connected.

### Receiving a Call

When you get a call, the Incoming Call window opens. Touch **Answer** to answer the call. Touch **Ignore** to ignore the call and stop your phone from ringing.

The internal microphone is in the front of the nüvi; speak normally.

## In a Call

During a call, the  **In Call** icon appears. Touch  > **End Call** to hang up. Touch  > **Call Options** for the following options:

- **Touch Tones**—displays a keypad page so that you can use automated systems, such as voice mail.
- **Transfer Audio To Phone**—this is helpful if you want to turn off the nūvi but remain on the call, or if you need privacy. To switch back, touch **Transfer Audio To Device**.
- **Mute Microphone**.

**NOTE:** Depending on the screen that appears on your nūvi, the In Call icon could look different.

## Using Call Waiting

When you are on a call and you receive a second call (call waiting), the Incoming Call window appears. Touch **Answer** to answer the call. The first call is placed on hold.

## Switching Between Calls

1. Touch  > **Switch To**.
2. Touch **End Call** to hang up. This does not disconnect the call on hold.

## Accessing the Phone Menu

**NOTE:** Not all phones support all features of the nūvi Phone menu.

From the Main menu, touch **Phone** to open the Phone menu.

### Using Your Phone Book

Each time your phone connects with the nüvi, the phone book is automatically loaded into the nüvi. It can take a few minutes for the phone book to be available. Phone book transfer is not available on all phones.

1. Touch **Phone > Phone Book**.
2. Touch the phone book entry (contact) you want to call.
3. Touch **Call** to call the contact.

### Dialing a Point of Interest

1. Touch **Phone > Points of Interest**.
2. Search for the point of interest you want to call.
3. Touch **Call** or touch the phone number.

### Dialing a Number

1. Touch **Phone > Dial**.
2. Enter the number, and touch **Dial**.

### Viewing Your Call History

Each time your phone connects to the nüvi, your call history is automatically transferred to the nüvi. It can take a few minutes to transfer this data to the nüvi.

1. Touch **Phone > Call History**.
2. Touch a category to view those calls. The calls are listed in chronological order. The most-recent calls are at the top of the list.
3. Touch an entry, and touch **Dial**.

### Calling Home

Enter a phone number for your home location so you can quickly call home.

1. Touch **Phone > Call Home**.
2. The nüvi dials your home phone number.

## Entering Your Phone Number

1. Touch **Phone > Call Home**.
2. Touch **Enter Phone Number** to use the keypad page or **Select From Phonebook** (only available if your phone supports phone book transfer).
3. Touch **Done > Yes**. The nūvi dials your home phone number.

To edit your home location or phone number, touch **Where To? > Favorites > Home > Edit**.

## Placing Calls Using Voice Dial

You can place calls by speaking the contact name. You might need to “train” your phone to recognize your voice dial commands. Refer to your phone instructions.

1. Touch **Phone > Voice Dial**.
2. Speak the contact name.

## Checking the Phone Status

Check the battery level and signal strength for your phone by touching **Phone > Status**.

## Watching Digital TV

To watch digital mobile television, the nüvi must be in a DVB-T (Digital Video Broadcasting for Terrestrial devices) coverage area. For more information, see [www.dvb.org](http://www.dvb.org).

### Setting up the Antennas

1. Pull out the TV antenna. See [page 4](#).
2. For better reception, attach the external antennas included in the packaging and arrange them in a perpendicular angle to each other.

**NOTE:** The external antennas are intended to improve the TV reception. They will not increase the number of channels available.

## Selecting Your Region and Time Zone

1. Touch **TV > Options > TV Settings**.
2. Touch the box under **Region** to select your region.
3. Touch **OK**.
4. Touch the box under **Time Zone**.
5. Select your time zone.

**NOTE:** The 1490TV time zone options are based on Greenwich Mean Time. Select the time zone that is the correct amount of time ahead of, or behind, Greenwich Mean Time. For example, “GMT + 3:00” will be three hours ahead of Greenwich Mean Time.

6. Touch **OK**.
7. Touch .

## Scanning for Channels

1. Touch **TV** > **Options** > **Channel Scan** > **Scan** to locate every available channel by scanning multiple frequencies.
2. Touch  twice to view the TV page.

Touch **Abort** to stop the channel scan. If the channel scan is not completed, the nüvi will not receive any channels.

## Scanning for Specific Channels

1. If you know the frequency of a channel, touch **TV** > **Options** > **Channel Scan** > **Manual Scan**.
2. Select the frequency.
3. Touch  twice to view the TV page.

## Using the TV Menu

### **WARNING**

Do not attempt to view the television function or other video input while driving. Failure to pay full attention to the operation of your vehicle could result in death, serious injury, or property damage.

### **NOTICE**

Before using the television feature in a vehicle, check the local laws and ordinances where you drive. Some laws prohibit drivers from watching television while operating motor vehicles. Garmin does not assume any responsibility for any fines, penalties, or damages that may be incurred as a result of any law or ordinance relating to the use of your Garmin device.

## NOTICE

Your nüvi will disable the TV function when you are traveling faster than 12 kph.

- Touch  and  to select a channel.
- Touch  and  to adjust the volume.
- Touch  on the map to return to the TV menu.
- Touch **Quit** to stop receiving a TV signal.

TV signal strength and system messages are displayed in the status bar in the upper-left corner of the screen.

## Hiding Channels

After a channel scan has been run, you can choose to hide selected channels.

1. Touch **TV > Options > Guide**.
2. Touch .
3. Select a channel to hide.
4. Touch **Yes**. The channel will not appear on the channel list and will be skipped when you are changing channels.

## Showing Hidden Channels

1. Touch **TV > Options > Guide**.
2. Touch .
3. Touch the  icon, which appears next to the hidden channel.
4. Touch **Yes**.

## Changing the Channel Order

1. Touch **TV > Options > Guide**.
2. Touch .
3. Select a channel to move.
4. Touch the position to which you want to move the channel.

## Changing the Channel Language

Depending on the broadcaster, you may be able to change the language in which a channel is broadcast.

1. Touch **TV > Options > TV Settings**.
2. Touch **Language** to select a broadcast language.

**NOTE:** Garmin is not responsible for the broadcast languages.

## Adding Subtitles

1. Touch **TV > Options > TV Settings > Subtitles**.
2. Touch **On**.

**NOTE:** The subtitle language is determined by the broadcaster.

## Adjusting Screen Brightness

1. Touch **TV > Options > TV Settings > Brightness**.
2. Touch  and  to adjust the brightness.

## Adjusting the Screen Size

When the TV page is inactive for several seconds, the TV menu will disappear and the picture will expand to fill the screen. You can choose the aspect ratio of the picture.

1. Touch **TV > Options > TV Settings > Aspect Ratio**.
2. Select an option:
  - **Keep Ratio**—to maintain the aspect ratio in which the channel is broadcast.
  - **Full Screen**—to stretch the picture to fill the screen.

## Using a Reverse Camera

If a reverse camera has been installed in your vehicle, you can view the output of the camera on your nüvi 1490TV.

1. Connect the camera to your nüvi through the video-in jack on the left side of the nüvi. See [page 4](#).
2. Touch **TV**.
3. If necessary, follow the on-screen instructions.

## Managing Files

### NOTICE

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

You can store files, such as JPEG image files, in the internal memory on the nüvi or on a memory card.

### Supported File Types

- JPEG and JPG image files: see [page 36](#).
- Maps and GPX waypoint files from MapSource®: see [page 28](#).
- GPI custom POI files from Garmin POI Loader: see [page 58](#).

## Connecting Your nüvi to Your Computer

When you connect your nüvi to your computer, you will see an option to install myGarmin Agent™, which monitors your computer USB ports and allows you to easily check for available updates. See [page 60](#) for more information.

1. Insert a memory card (optional). Press it in until it clicks.
2. Connect the mini-USB connector to the back of the nüvi.
3. Connect the larger end of the cable to an available USB port on your computer.

Your nüvi and memory card appear as removable drives in My Computer in Windows and as mounted volumes on Mac computers.

**NOTE:** Some computers with multiple network drives can not display nüvi drives. See your

operating system Help file to learn how to map the drives.

### Transferring Files

1. Browse your computer for the file you want to copy.
2. Highlight the file, and click **Edit** > **Copy**.
3. Open the “Garmin” or memory card drive/volume.
4. Click **Edit** > **Paste**. The file appears in the list of files in the nüvi memory or on the memory card.
5. When you are finished transferring files, click  in your toolbar (system tray), or drag the volume icon to the **Trash**  on Mac computers.
6. Unplug your nüvi from your computer.

### Deleting Files

#### NOTICE

If you do not know the purpose of a file, do not delete it. Your nüvi memory contains important system files that should not be deleted.

---

1. Connect the nüvi to your computer, and open the nüvi or memory card drive/volume.
2. Highlight the file you want to delete.
3. Press the **Delete** key on the computer keyboard.

## Using the Tools

The Tools menu provides many features that are helpful when you are traveling.

From the Main menu, touch **Tools**.

## Accessing the Settings

For information about the settings, see [pages 46–52](#).

## Using the Where Am I? Page

Use the Where Am I? page to view current location information, including hospitals, police stations, and fuel. This feature is helpful if you need to tell emergency personnel your location.

1. From the Main menu, touch **Tools** > **Where Am I?**
2. Touch a button on the right to view the nearest locations in that category.
3. Touch **Save Location** to save your current location.

## Accessing Help

Touch **Help** to get information about using your nüvi.

Touch **Search** to search help topics for a keyword.

## Using the Picture Viewer

Use the picture viewer to view pictures that you have stored in your nüvi or on a memory card.

1. Touch **Tools > Picture Viewer**.
  - Touch the arrows to scroll through the images.
2. Touch a picture to view a larger image of it.
  - Touch  to view information on the selected picture.
  - Touch the map and drag to view different parts of the map.
  - Touch  to hide the menu bar.
3. Use the scroll bar at the bottom of the screen to change how many pictures appear on the screen.

## Viewing a Slide Show

1. Touch **Tools > Picture Viewer >** . Each picture appears for a few moments.
2. Touch anywhere on the screen to stop the slide show.

## Navigating to a Picture

If a picture contains location information, you can create a route to it.

1. Touch **Tools > Picture Viewer**.
2. Select a picture.
3. Touch  **> Go!**

See [page 33](#) for more information about loading pictures on your nüvi.

## Accessing My Data

Use this tool to manage and delete your saved data, such as your Favorites.

1. Touch **Tools > My Data**.
2. Select an option:
  - **Set Home Location**
  - **Delete Selected Favorites**
  - **Clear Trip Log**
  - **View Map Errors**

## Using the World Clock

1. Touch **Tools > World Clock**.
2. To change a listed city, touch one of the cities.
3. Enter a city name, and touch **Done**.
4. Select the correct city, if necessary.
5. Touch **World Map** to view a map. Nighttime hours are shown in the shaded area.

6. Touch  to view the clocks again.

## Using the Calculator

Touch **Tools > Calculator** to activate the calculator.

## Using the Unit Converter

1. Touch **Tools > Unit Converter**.
2. Touch **Conversion**, select a type of measurement, and touch **OK**.
3. Touch a unit of measure that you want to change.
4. Select a unit of measure, and touch **OK**. Repeat if necessary.
5. Touch the box next to the unit of measure to enter a value.
6. Enter a value, and touch **Done**. The unit is converted.
7. Touch **Clear** to perform another conversion.

## Updating Conversion Rates

You can update the currency conversion rates manually so that you are always using the most current rates.

1. Touch **Tools > Unit Converter > Conversion**.
2. Select **Currency**, and touch **OK**.
3. Touch the currency buttons and select the currencies you want to update.
4. Touch **Update**.
5. Touch the boxes next to the currencies to enter new rates.
6. Touch **Save** to save the new rates. Touch **Restore** to use the original rates.

## Using ecoRoute™

Touch **Tools > ecoRoute**.

The ecoRoute feature calculates your vehicle fuel economy, carbon footprint, and the fuel price of navigating to a destination, and offers tools for improving fuel efficiency.

The data provided by the ecoRoute feature are estimates only. The data is not actually read from your vehicle. To receive more-accurate fuel reports for your specific vehicle and driving habits, calibrate the fuel economy.

The first time you access the ecoRoute features you will be asked to enter fuel and mileage information about your vehicle.

## Viewing the Fuel Report

If you have entered your vehicle profile and the current fuel price, your nüvi calculates the average fuel economy for your vehicle, your carbon footprint, and the cost of the fuel consumed.

The fuel consumption data is based on estimates for speed and acceleration for an average vehicle.

Touch **Tools > ecoRoute > Fuel Report**.

**TIP:** To ensure that fuel data is always recorded, keep your nüvi turned on while driving.

## Calibrating the Fuel Economy

Calibrate the fuel economy to receive more-accurate fuel reports for your specific vehicle and driving habits. Calibrate when you fill up your fuel tank.

1. Calculate your miles per gallon or liters per 100 kilometers.
2. Touch **Tools > ecoRoute > Fuel Report > Calibrate**.
3. Touch  and  to enter the result from step 1.
4. Touch **OK**.

## Adjusting the Fuel Price

Enter fuel price information to calculate the fuel cost of routes and to calculate the fuel reports.

1. Touch **Tools > ecoRoute > Fuel Price**.
2. Enter the current fuel price, and touch **Done**.

## Taking the ecoChallenge

The ecoChallenge tool helps you maximize your fuel economy by scoring your driving habits. The higher your overall score for a ecoChallenge, the more fuel you could save.

Touch **Tools** > **ecoRoute** > **ecoChallenge** > **Start**.

## Understanding Your ecoChallenge Score

Touch  on the Map page to view details about your current challenge. The leaf color on the ecoChallenge icon changes depending on your performance in the challenge.

Your overall score is the average of three scores:

**Acceleration score**—gain points for gradual acceleration; lose points for rapid acceleration.

**Deceleration score**—gain points for gradual braking; lose points for hard braking.

**Speed score**—gain points for driving at the best speed for conserving fuel, which is 45–60 mph for most vehicles.

## Stopping the ecoChallenge

1. From the Map page, touch .
2. Touch **Stop** > **Yes**.

## Adjusting Your Vehicle Profile

Touch **Tools** > **ecoRoute** > **Vehicle Profile**.

**Fuel Type**—select a fuel type.

**City Fuel Efficiency**—enter the average city fuel efficiency for your vehicle.

**Hwy Fuel Efficiency**—enter the average highway fuel efficiency for your vehicle.

**TIP:** For best results, calibrate your fuel economy instead of adjusting the city and highway fuel efficiency here. See [page 39](#).

### Viewing the Mileage Report

Mileage reports provide the distance, the time, the average fuel economy, and the fuel cost of navigating to a destination.

A mileage report is created for every route that you drive. If you stop a route on your nüvi, a mileage report is created for the distance you traveled.

1. Touch **Tools** > **ecoRoute** > **Mileage Report**.
2. Select a report.

You can view up to 20 mileage reports on your nüvi. You can also access mileage reports in the Reports folder on your nüvi drive/volume.

### Viewing Driving Tips

Your nüvi provides driving tips to help you save fuel.

Touch **Tools** > **ecoRoute** > **Tips**.

### Resetting ecoRoute Data

1. Touch **Tools** > **ecoRoute**.
2. Select the category you want to reset, and touch **Reset**.

## Using FM TMC Traffic

### NOTICE

Check local laws before using the FM transmitter in your area. Use of FM transmitters is currently illegal in certain European countries due to specific radio frequency restrictions.

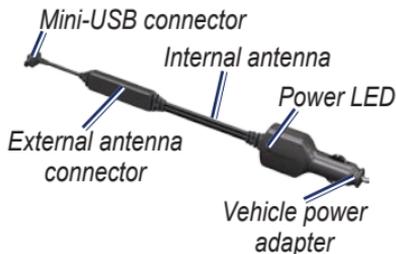
**NOTE:** Garmin is not responsible for the accuracy of the traffic information.

Use an FM TMC (Traffic Message Channel) traffic receiver to receive traffic information that is broadcast over the FM Radio Data System.

For information about traffic receivers and coverage areas, go to [www.garmin.com/traffic](http://www.garmin.com/traffic).

## Understanding FM TMC Traffic

The FM Traffic Message Channel (TMC) traffic receiver, which is integrated in the vehicle power cable, is included in some nüvi packages.



You do not need to activate the subscription included with your FM traffic receiver. The subscription activates automatically after your nüvi acquires satellite signals while receiving traffic signals from the pay service provider. Go to [www.garmin.com/traffic](http://www.garmin.com/traffic) or [www.garmin.com](http://www.garmin.com) for more information.

## Adding or Renewing Traffic Subscriptions

To add or renew a traffic subscription, touch **Tools** > **Settings** > **Traffic**. For more information, see [page 51](#) and go to [www.garmin.com/fmtraffic](http://www.garmin.com/fmtraffic).

## Receiving Traffic Information

### NOTICE

Heated (metallized) windshields could degrade the performance of the traffic receiver.

To receive traffic information, the following conditions must be met:

- The traffic receiver must be connected to the nüvi.
- The traffic receiver and nüvi must be connected to an external power source.

- The traffic receiver and nüvi must be in data range of an FM station transmitting traffic information.

## Traffic in Your Area

When you are receiving traffic information, a traffic icon appears in the upper-left corner of the Map page. The traffic icon changes color to indicate the severity of traffic conditions on your route or the road you are currently travelling.

Color	Description	Meaning
Green	Low severity	Traffic is flowing normally.
Yellow	Medium severity	Traffic is slightly congested.
Red	High severity	Traffic is heavily congested.
Gray	No data	Traffic data has not updated.

## Traffic on Your Route

When calculating your route, the nūvi examines the current traffic and automatically optimizes the route for the shortest time. If a severe traffic delay occurs on your route while you are navigating, the nūvi automatically recalculates the route.

You might still be routed through traffic if no better alternative routes exist.

*Traffic icon*



If a non-severe traffic delay occurs on your route, touch the traffic icon to display a tab that shows how much time the delay has added to your route. This time is already included in your estimated arrival time.

## Manually Avoiding Traffic on Your Route

1. On the Map page, touch the traffic icon.
2. Touch **Traffic On Route**.
3. Touch the arrows to view other traffic delays on your route, if necessary.
4. Touch **Avoid** to avoid the traffic delay.

## Viewing the Traffic Map

The traffic map shows color-coded traffic flow and delays on nearby roads.

1. On the Map page, touch the traffic icon.
2. Touch **Show Traffic Map** to view the traffic incidents on a map.

To return to the normal map from the traffic map, touch the traffic icon, and then touch **Show Normal Map**.

## Viewing Traffic Delays

1. On the Map page, touch the traffic icon.
2. Touch **Traffic Search** to view a list of traffic delays.
3. To view details, touch an item in the list. If there is more than one delay, touch the arrows to view additional delays.

## Customizing the nüvi

1. Touch **Tools > Settings**.



2. Touch the setting you want to change.
3. Touch the button under the setting name to change it.

## Changing the System Settings

Touch **Tools > Settings > System**.

**GPS Simulator**—turn on the simulator to turn off the GPS mode and simulate navigation, and to save battery power.

**Usage Mode**—specify how you will be navigating to optimize routes: **Automobile**, **Pedestrian**, or **Bicycle**.

**Keyboard**—touch **QWERTY** for a layout similar to a computer keyboard, or touch **ABCDE** for an alphabetical layout (only available on the nüvi 1300 and 1400 series).

**Units**—change units of measure to **Kilometers** or **Miles**.

**About**—display the nüvi software version number, the unit ID number, and information on several other software features. You need this information when you update the system software or purchase additional map data (see [page 58](#)).

**Restore**—restore the system settings.

## Changing the Navigation Settings

Touch **Tools** > **Settings** > **Navigation**.

**Route Preference**—select a preference for calculating your route:

- **Faster Time**—to calculate routes that are faster to drive but can be longer in distance.
- **Shorter Distance**—to calculate routes that are shorter in distance but can take more time to drive.
- **Off Road**—to calculate point-to-point routes (without roads).
- **Less Fuel**—to calculate routes that could use less fuel than other routes. The route calculation is based on road speeds and vehicle acceleration data for a given route.

**Avoidances**—select the road types you want to avoid on your routes.

**Transit Types**—select which mode of public transit you would like your nüvi to avoid when calculating routes. Available when cityXplorer maps are loaded. See [page 10](#).

**Restore**—restore the original navigation settings.

## Adjusting the Display Settings

Touch **Tools** > **Settings** > **Display**.

**Color Mode**—select **Day** for a light background, **Night** for a dark background, or **Auto** to automatically switch between the two.

**Screen Shot**—turn on Screen Shot mode. Touch  to take a screen shot. The picture bitmap file is saved in the **screenshots** folder on the nüvi drive.

**Brightness**—adjust the backlight brightness level. Reducing the backlight brightness increases your battery life.

**Restore**—restore the original display settings.

## Updating the Time Settings

Touch **Tools** > **Settings** > **Time**.

**Select a time format**—select a 12-hour, 24-hour, or UTC time format.

**Current Time**—manually set the time on your nüvi. Select **Automatic** to have the nüvi set the time based on your location.

**Restore**—restore the original time settings.

## Setting the Languages

Touch **Tools** > **Settings** > **Language**.

**Voice Language**—change the language for voice prompts.

**Text Language**—change all on-screen text to the selected language. Changing the text language does not change the language of user-entered data or map data, such as street names.

**Keyboard**—select the keyboard for your language. Touch **Mode** on any keyboard to change the keyboard language.

**Restore**—restore the original language settings.

## Changing the Map Settings

Touch **Tools** > **Settings** > **Map**.

**Map Detail**—adjust the amount of detail shown on the map. Showing more detail can cause the map to redraw slower.

**Map View**—select a map perspective.

- **Track Up**—display the map in two dimensions (2D) with your direction of travel at the top.
- **North Up**—display the map in 2D with North at the top.
- **3D**—display the map in three dimensions (3D) in Track Up.

**NOTE:** In Pedestrian usage mode, North Up is the only map view.

**Vehicle**—touch **Change** to change the icon used to display your position on the map. Touch the icon you

want to use, and then touch **OK**. Download additional vehicle icons at [www.garmingarage.com](http://www.garmingarage.com).

**Trip Log**—show or hide the log of your travels. To clear trip log, touch **Tools** > **My Data** > **Clear Trip Log**.

**Map Info**—view the maps and the version of each map loaded on your nüvi. Touch a map to enable (check mark) or disable (no check mark) that map.

**Restore**—restore the original map settings.

## Changing Security Settings

Touch **Tools** > **Settings** > **Security**.

**Garmin Lock**—turn on Garmin Lock™ to lock your nüvi. Enter a 4-digit PIN, and set a security location. For more information, see [page 54](#).

**Safe Mode**—turn safe mode on or off. When your vehicle is moving, Safe mode disables all functions that require significant operator attention and could become a distraction while driving.

**Restore**—restore the original security settings. Note that restoring the security settings will not clear your Garmin Lock PIN or security location.

## Setting the Bluetooth Technology Options

Touch **Tools** > **Settings** > **Bluetooth**.

**Connections**—touch **Add** > **OK** to pair with a phone that has Bluetooth wireless technology. See [pages 23–27](#). Touch **Change** to connect with a different phone.

- **Drop**—select the phone you want to disconnect, and touch **Yes**.
- **Remove**—select the phone you want to delete from the nüvi memory, and touch **Yes**.

**Bluetooth**—turn the Bluetooth component on and off. The  **Bluetooth** icon appears on the Main menu if the Bluetooth component is turned on. To prevent a phone from automatically connecting, touch **Disabled**.

**Friendly Name**—enter a friendly name that identifies your nüvi on devices with Bluetooth technology. Touch **Done**.

**Restore**—restore the original Bluetooth settings. This does not clear the pairing information.

## Changing the Proximity Points Settings

You must have proximity points (such as custom POIs or a safety camera database) loaded to adjust the proximity points settings. See [page 58](#). Touch **Tools** > **Settings** > **Proximity Points**.

**Proximity Alerts**—turn the alerts on or off when you approach custom POIs or safety cameras.

**Restore**—restore the proximity points settings.

## Viewing Traffic Subscription Information

The traffic receiver is included in some nüvi packages. Touch **Tools** > **Settings** > **Traffic**.

**Current**—select which provider to use. Touch **Auto** to use the best provider for the area, or select a specific provider to use.

**Find More**—search for additional TMC traffic providers. To increase the search time, touch **Yes** to clear the provider table.

**Subscriptions**—view your FM traffic subscriptions and expiration dates. Touch **Add** to add a subscription.

## Adding a Subscription

### NOTICE

You do not need to activate the subscription included with your FM traffic receiver (if it came with one). The subscription activates automatically after your nüvi acquires satellite signals while receiving traffic signals from the service provider.

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You can purchase additional subscriptions or a renewal if your subscription expires. Go to [www.garmin.com/fmtraffic](http://www.garmin.com/fmtraffic).

1. From the Main menu, touch **Tools** > **Settings** > **Traffic**.
2. Touch **Subscriptions** > **Add**.
3. Write down the FM traffic receiver unit ID.
4. Go to [www.garmin.com/fmtraffic](http://www.garmin.com/fmtraffic) to purchase a subscription and get a 25-character code.

5. Touch **Next** on the nüvi, enter the code, and touch **Done**.

The traffic subscription code cannot be reused. You must obtain a new code each time you renew your service. If you own multiple FM traffic receivers, you must obtain a new code for each receiver.

## Restoring All Settings

1. Touch **Tools** > **Settings**.
2. Touch **Restore**.
3. Touch **Yes**.

## Appendix

### Caring for Your nüvi

Your nüvi contains sensitive electronic components that can be permanently damaged if exposed to excessive shock or vibration. To minimize the risk of damage to your nüvi, avoid dropping your unit and operating it in high-shock and high-vibration environments.

### Cleaning the Unit

The nüvi is constructed of high-quality materials and does not require user maintenance other than cleaning. Clean the outer casing of the unit (not the touchscreen) using a cloth dampened with a mild detergent solution, and then wipe it dry. Avoid chemical cleaners and solvents that can damage plastic components.

### Cleaning the Touchscreen

Clean the touchscreen with a soft, clean, lint-free cloth. Use water, isopropyl alcohol, or eyeglass cleaner, if needed. Apply the liquid to the cloth, and then gently wipe the touchscreen.

### Protecting Your nüvi

- Do not store the nüvi where prolonged exposure to extreme temperatures can occur, because it can cause permanent damage.
- Do not expose the nüvi to water. Contact with water can cause this unit to malfunction.
- Although a PDA stylus can be used to operate the touchscreen, never attempt this while operating a vehicle. Never use a hard or sharp object to operate the touchscreen because damage might result.

## Avoiding Theft

- To avoid theft, remove the unit 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 product at <http://my.garmin.com>.
- Use the Garmin Lock feature. See below for more information.

## Locking Your nüvi

Garmin Lock is a theft-deterrent system that locks your nüvi. Each time you turn on the nüvi, enter the PIN or drive to the security location.

1. Touch **Tools** > **Settings** > **Security**.
2. Touch the button below **Garmin Lock**.
3. Enter a 4-digit PIN and drive to a security location.

## What is a Security Location?

### NOTICE

If you forget your PIN and your security location, you must send your nüvi to Garmin to get it unlocked. You must also send a valid product registration or proof of purchase.

Your security location should be a location you return to often, such as your home. If the nüvi has satellite signals and you are at the security location, you do not need to enter the PIN.

## Calibrating the Screen

1. Turn off the nüvi.
2. Hold the upper-left corner of the screen while turning on the nüvi.
3. Release the  power button when the Garmin screen appears.
4. Continue to hold the upper-left corner of the touch screen for 30 seconds until a white screen with “Press dot” appears.

## Updating the Software

1. Connect the nüvi to your computer using the mini-USB cable. The AutoPlay menu opens.
2. Double-click on  to open the myGarmin Agent download page. If the AutoPlay menu does not open, or you are on a Mac computer, go to [www.garmin.com/agent](http://www.garmin.com/agent).
3. Follow the on-screen instructions.

After you have installed myGarmin Agent, you will be prompted to

open myDashboard when you connect your nüvi to your computer. myDashboard checks your nüvi for current software and provides additional information about your nüvi.

## Clearing User Data

### NOTICE

This deletes all user-entered information.

1. Hold your finger on the lower-right corner of the nüvi screen while turning on the nüvi.
2. Keep your finger pressed until the pop-up window appears.
3. Touch **Yes** to clear all user data.

All original settings are restored. Any items that you have saved are erased.

## Battery Information

To maximize the lifetime of the battery, do not leave your nüvi in direct sunlight, and avoid prolonged exposure to excessive heat.

The  battery icon in the corner of the Main menu indicates the status of the nüvi battery. To increase the accuracy of the battery gauge, fully discharge the battery and then fully charge it. Do not unplug the nüvi until it is totally charged.

## Changing the Fuse

### NOTICE

When replacing the fuse, do not lose any of the small pieces, and ensure they are put back in the proper place.

If your unit will not charge in your vehicle, you might need to replace the fuse located at the tip of the vehicle adapter.

1. Use a coin to push down the silver tip, and turn the coin counter-clockwise, one-quarter turn.
2. Remove the end piece, the silver tip, and the fuse.
3. Install a 2 A fast-blow fuse of the same size.
4. Ensure that the silver tip is located in the end piece.  
Using a coin, replace the end piece.



## Removing the nüvi and Mount

To remove the nüvi from the cradle, press the tab of the cradle while tilting the nüvi forward.

To remove the cradle from the mount, turn the cradle to the right or the left. Apply pressure in that direction until the cradle snaps off the mount.

To remove the suction cup mount from the windshield, flip the lever toward you. Pull the tab on the suction cup toward you.

## Mounting on Your Dashboard

### NOTICE

The permanent mounting adhesive is extremely difficult to remove after it is installed.

Use the enclosed mounting disk to mount your unit to the dashboard and comply with certain state regulations.

1. Clean and dry the dashboard where you are placing the disk.

2. Remove the backing from the adhesive on the bottom of the disk.
3. Place the disk on the dashboard.
4. Remove the clear plastic cover from the top of the disk.
5. Place the suction cup mount on top of the disk. Flip the lever down (toward the disk).

## nüMaps Guarantee™

To receive one free map update (if available), register your nüvi at <http://my.garmin.com> within 60 days of acquiring satellites while driving with your nüvi. You are not eligible for the free map update if you register by phone or wait longer than 60 days after the first time you acquire satellites while driving with your nüvi. For more information, go to [www.garmin.com/numaps](http://www.garmin.com/numaps).

## nüMaps Lifetime™

For a one-time payment, you can receive up to four map updates each year for the life of your unit. For more information, go to [www.garmin.com](http://www.garmin.com).

## Additional Maps

You can purchase additional maps for your nüvi. To see a list of maps that are compatible with your nüvi, go to your nüvi product page on the Garmin Web site ([www.garmin.com](http://www.garmin.com)), and click the **Maps** tab.

## About GPS Satellite Signals

Your nüvi must acquire GPS (Global Positioning System) satellite signals in order to navigate. If you are indoors, near tall buildings or trees, or in a parking garage, your nüvi may not acquire satellites. Go

outside to an area free from tall obstructions to use your nüvi.

When your nüvi has acquired satellite signals, the signal strength bars on the Main menu are green . When it loses satellite signals, the bars turn red or clear .

For more information about GPS, go to [www.garmin.com/aboutGPS](http://www.garmin.com/aboutGPS).

## Extras and Optional Accessories

For more information about optional accessories, go to <http://buy.garmin.com> or [www.garmin.com/extras](http://www.garmin.com/extras), or contact your Garmin dealer.

## Custom Points of Interest

Use the POI Loader to load custom points of interest (POIs) onto your nüvi. POI databases are available from various companies on the Internet. Some custom databases

contain alert information for points, such as safety cameras and school zones.

Go to [www.garmin.com/extras](http://www.garmin.com/extras), and click POI Loader to install the POI Loader onto your computer. For more information, refer to the POI Loader Help file. Press **F1** to open the Help file.

To view your Custom POIs, touch **Where To? > Extras > Custom POIs**.

To change the proximity alert settings, touch **Tools > Settings > Proximity Points > Proximity Alerts**.

To delete the Custom POIs from your nüvi, connect your nüvi to your computer. Open the POI folder in the nüvi drive or the memory card drive. Delete the file titled poi.gpi.

## Safety Cameras

### CAUTION

Garmin is not responsible for the accuracy of, or the consequences of using, a custom POI or safety camera database.

Safety camera information is available in some locations. Check <http://my.garmin.com> for availability. For these locations, the nüvi includes the locations of hundreds of safety cameras. Your nüvi alerts you when you are approaching a safety camera and can warn you if you are driving too fast. The data is updated at least weekly, so you always have access to the most up-to-date information.

You can purchase a new region or extend an existing subscription at any time. Each region that you purchase has an expiration date.

## Garmin Travel Guide

The Garmin Travel Guide provides detailed information about places, such as restaurants and hotels. To purchase an accessory, go to <http://buy.garmin.com> or contact your Garmin dealer.

To use the travel guide, insert the memory card into your nüvi. Touch **Where To?** > **Extras**. Touch the name of your travel guide to open it.

## Contact Garmin

Contact Garmin Product Support if you have questions. In the USA, go to [www.garmin.com/support](http://www.garmin.com/support), or contact Garmin USA by phone at (913) 397-8200 or (800) 800-1020.

In the UK, contact Garmin (Europe) Ltd. by phone at 0808 2380000.

In Europe, go to [www.garmin.com/support](http://www.garmin.com/support) and click **Contact Support** for in-country support information, or contact Garmin (Europe) Ltd. by phone at +44 (0) 870.8501241.

## Registering Your nüvi

Go to <http://my.garmin.com> to register your nüvi. See [page 33](#) for information about connecting your nüvi to your computer.

1. Plug in your nüvi. You will see an option to install the myGarmin Agent (optional).
2. Follow the online instructions to install myGarmin Agent and register your nüvi.

After you have registered your nüvi, you can subscribe to the latest Garmin online services.

## Specifications

### nüvi 1490TV

**Physical size (W × H × D):** 5.4 × 3.4 × 0.70 in. (13.7 × 8.6 × 1.78 cm)

**Weight:** 9.1 oz. (258 g)

**Display:** 5.0 in. diagonal, 480 × 272 pixels; 64K colors; bright WQVGA TFT landscape display; white backlight; touchscreen

**Case:** Not waterproof (IPX0)

**Operating temperature range:** 32°F–140°F (0°C–60°C)

**Charging temperature range:** 32°F–113°F (0°C–45°C)

**Data storage:** Internal memory and optional removable microSD card. Data stored indefinitely.

**Computer interface:** USB 2.0 full-speed mass storage

**Operating system:** Garmin

**Charge time:** Up to 4 hours

**Power input:** Vehicle power using the included vehicle power cable, or AC power using an optional accessory

**Usage:** 5 W max.

**Battery life:** Up to 3 hours

**Battery type:** Non-user-replaceable, rechargeable lithium-ion battery

**GPS receiver:** High-sensitivity with HotFix

**Acquisition times\*:**

Warm: <1 second

Cold: <38 second

Factory Reset: <45 second

\*Average acquisition times for a stationary receiver with a clear view of the sky.

## Declaration of Conformity

Hereby, Garmin declares that this nüvi product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. To view the full Declaration of Conformity, go to the Web site for your Garmin product at [www.garmin.com](http://www.garmin.com).

## Software License Agreement

BY USING THE nüvi, YOU AGREE TO BE BOUND BY THE TERMS AND CONDITIONS OF THE FOLLOWING SOFTWARE LICENSE AGREEMENT. PLEASE READ THIS AGREEMENT CAREFULLY.

Garmin grants you a limited license to use the software embedded in this device (the “Software”) in binary executable form in the normal operation of the product. Title, ownership rights, and intellectual property rights in and to the Software remain in Garmin.

You acknowledge that the Software is the property of Garmin and is protected under the United States of America copyright laws and international copyright treaties. You further acknowledge that the structure, organization, and code of the Software are valuable trade secrets of Garmin and that the Software in source code form remains a valuable trade secret of Garmin. You agree not to decompile, disassemble, modify, reverse assemble, reverse engineer, or reduce to human readable form the Software or any part thereof or create any derivative works based on the Software. You agree not to export or re-export the Software to any country in violation of the export control laws of the United States of America.

## Troubleshooting

Problem/Question	Solution/Answer
My nüvi never gets satellite signals.	Take your nüvi out of parking garages and away from tall buildings and trees. Remain stationary for several minutes.
The suction cup will not stay on my windshield.	Clean the suction cup and windshield with rubbing alcohol. Dry with a clean, dry cloth. Mount the suction cup as described on <a href="#">page 5</a> .
My nüvi does not charge in my vehicle.	<p>Check the fuse in the vehicle power cable (see <a href="#">page 56</a>).</p> <p>Ensure that the vehicle is turned on and is supplying power to the power outlet.</p> <p>Your nüvi can only charge between 32°F and 113°F (between 0°C and 45°C). If the nüvi is placed in direct sunlight or in a hot environment, it cannot charge.</p>
My battery does not stay charged for very long.	To maximize the time between charges, turn down the backlight. Touch <b>Tools &gt; Settings &gt; Display &gt; Brightness</b> .
How do I clear all of my user data?	Hold your finger on the lower-right corner of the nüvi screen while it is turning on. Keep your finger pressed until the message appears. Touch <b>Yes</b> to clear all user data.

Problem/Question	Solution/Answer
My battery gauge does not seem accurate.	Allow the unit to fully discharge, and fully charge it (without interrupting the charge cycle).
The touchscreen is not responding to my touches.	Calibrate the touchscreen as described on <a href="#">page 55</a> .
How do I know my nüvi is in USB mass storage mode?	When your nüvi is in USB mass storage mode, a picture of a nüvi connected to a computer is shown. Also, you should see two new removable disk drives listed in <b>My Computer</b> .
My computer never senses that the nüvi is connected.	<ol style="list-style-type: none"><li>1. Unplug the USB cable from your computer.</li><li>2. Turn off the nüvi.</li><li>3. Plug the USB cable into a USB port on your computer and into your nüvi. The nüvi automatically turns on and goes into USB mass storage mode. Ensure that your nüvi is connected to a USB port and not a USB hub.</li></ol>

Problem/Question	Solution/Answer
I cannot see any new removable drives in my list of drives.	If you have several network drives mapped on your computer, Windows can have trouble assigning drive letters to your nüvi drives. See your operating system Help file to learn how to map or assign drive letters.
How can I find restaurants near the hotel I will be staying at in the future?	Save the hotel in your Favorites. See <a href="#">page 16</a> for more information on Favorites. You can then search near the hotel for restaurants. <ol style="list-style-type: none"><li>1. Touch <b>Where To?</b> &gt; <b>Near</b>.</li><li>2. Select <b>A Favorite Destination</b>.</li><li>3. Select a destination.</li><li>4. Touch <b>Points of Interest</b> &gt; <b>Food and Drink</b>.</li><li>5. Select a category. Your nüvi searches for locations near the hotel.</li><li>6. Select a restaurant.</li></ol>
My phone will not connect to the nüvi.	Ensure that you have a nüvi with Bluetooth. Touch <b>Tools</b> > <b>Settings</b> > <b>Bluetooth</b> . Verify that the Bluetooth field is set to <b>Enabled</b> . Ensure that your phone is turned on and is less than 33 feet (about 10 meters) away from your nüvi. See <a href="http://www.garmin.com/bluetooth">www.garmin.com/bluetooth</a> for more help.

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**For the latest free software updates (excluding map data) throughout the life of your Garmin products, visit the Garmin Web site at [www.garmin.com](http://www.garmin.com).**



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