GARMIN®

# nüviCam™

## 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.

- Install the camera memory card (Installing the Dash Camera Memory Card).
- Update the maps and software on your device (Updating Maps and Software with Garmin Express).
- Mount the device in your vehicle and connect it to power (Mounting and Powering the nüviCam Device in Your Vehicle).
- Align the dash camera (Aligning the Camera).
- Acquire GPS signals (Acquiring GPS Signals).
- Adjust the volume (Adjusting the Volume) and display brightness (Adjusting the Screen Brightness).
- Navigate to your destination (Starting a Route).

## Installing the Dash Camera Memory Card

Before the device can record video from the integrated dash camera, you must install a camera memory card. The camera requires a microSD™ or microSDHC memory card up to 64GB with a speed rating of class 4 or higher. You can use the included memory card, or you can purchase a compatible memory card from an electronics supplier.

1. Insert a memory card ① into the camera memory card slot ②.

   **NOTE:** If you install the memory card into the incorrect slot, the camera cannot record video.

2. Press it in until it clicks.

## Mounting and Powering the nüviCam 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.

Both the device and its mount contain magnets. Under certain circumstances, magnets may cause interference with some internal medical devices, including pacemakers and insulin pumps. Keep the device and its mount away from such medical devices.

***NOTICE***

Both the device and its mount contain magnets. Under certain circumstances, magnets may cause damage to some electronic devices, including hard drives in laptop computers. Use caution when the device or its mount is near electronic devices.

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

1. Press the mount ① onto the suction cup ② until it snaps into place.

2. Open the lever ③, press the suction cup to the windshield, and flip the lever back toward the windshield.

   The lever must be oriented toward the top of the windshield.

3. Extend the suction cup arm ④.
4. If necessary, rotate the mount so the Garmin® logo faces right-side up.
5. Plug the vehicle power cable ⑤ into the port on the mount.

6. Place the back of the device onto the mount.
7. Plug the other end of the vehicle power cable into a power outlet in your vehicle.

## Acquiring GPS Signals

To navigate with your device, you must acquire satellites. in the status bar indicates the satellite signal strength. Acquiring satellites can take several minutes.

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

## 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 |
| | Bluetooth® technology status (appears when Bluetooth is enabled) |
| 9:10 | Current time |

| | |
|---|---|
| | Battery status |
| | Connected to Smartphone Link |
| 53°F | Temperature |
| | Unread myGarmin™ messages |
| | Dash camera recording status |

## Using the On-Screen Buttons

- Select to return to the previous menu screen.
- Hold to quickly return to the main menu.
- Select ▲ or ▼ to see more choices.
- Hold ▲ or ▼ to scroll faster.
- Select ☰ to see a menu of options for the current screen.

## Entering and Exiting Sleep Mode

You can use sleep mode to conserve battery power when your device is not in use. While in sleep mode, your device uses very little power and can wake instantly for use.

**TIP:** You can charge your device faster by putting it in sleep mode while charging the battery.

Press the power key ①.

### Turning Off the Device

1. Hold the power key until a prompt appears on the screen.

   The prompt appears after five seconds. If you release the power key before the prompt appears, the device enters sleep mode.
2. Select **Off**.

## 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.

### Enabling Automatic Volume

Your device can increase or decrease the volume automatically based on the level of background noise.

1. Select **Volume** > .
2. Select **Automatic Volume**.

## Adjusting the Screen Brightness

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

# Dash Camera

## Aligning the Camera

**⚠ WARNING**

Do not attempt to align the camera while driving.

You should align the dash camera each time you mount the or reposition the device. The advanced driver assistance features may not perform properly if the camera is not aligned.

1. Select **Settings** > **Camera** > ☰ > **Alignment**.
2. Tilt the device and rotate the camera to align the camera.

   The crosshairs should point straight ahead, and the horizon line should be centered between the top and bottom of the screen.

## Dash Camera Recording

***NOTICE***

**Legal Restrictions**

In some jurisdictions it could be considered an invasion of privacy rights to take or publicly display photographs or videos of people or their vehicles using this product. It is your responsibility to know and comply with applicable laws and rights to privacy in your jurisdiction.

Before you can record video using the integrated dash camera, you must install a camera memory card (Installing the Dash Camera Memory Card).

By default, the device immediately starts recording video when it turns on. It continues recording, overwriting the oldest, non-saved video until it turns off. While recording, the LED is solid red.

The device records continuously until the device is turned off or video recording is disabled.

### Saving a Video Recording

By default, the device uses a sensor to detect possible accidental collisions and saves video footage before, during, and after the detected event.

You can also manually save video at any time.

1. While recording, select the camera key ①.

   The device saves a photo and the video footage before, during, and after you select the key. The LED flashes red while the device is saving video footage.
2. Select the camera key again to extend the saved recording time (optional).

   A message indicates the amount of video footage to be saved.

The memory card has limited storage. After you save a video recording, you should transfer the recording to your computer or other external storage location for permanent storage.

### Taking a Photo

You can take still photographs with this device. By default, the device stores time and location information with the photo.

Select **Apps** > **Dash Cam** > .

The device takes a photo and saves it to the memory card.

### Starting and Stopping Dash Camera Recording

1. Select **Apps** > **Dash Cam**.
2. Select an option:
   - To stop recording, select ■.

     The LED is solid green while recording is stopped.

     **TIP:** By default, recording starts automatically the next time you turn on the device. You can disable this option in the camera settings (Camera Settings).

- To start recording, select ●.

  The LED is solid red while the dash camera is recording.

### Camera Key Tips

The camera key provides quick access to several dash camera functions.

- Select the camera key to save a video recording and capture a photo.
- While saving a video recording, select the camera key to extend the saved recording time.
- While recording video, hold the camera key for several seconds to stop recording.
- While recording is stopped, select the camera key to start recording.

### Viewing Videos and Photos

**NOTE:** The device stops recording video while you view videos or photos.

1. Select **Apps** > **Gallery** > **Yes**.
2. Select a video or photo.

   The device displays the video or photo. Videos start playing automatically. If the video or photo includes location information, a map shows the location.

### Videos and Photos on Your Computer

The Garmin Dash Cam Player application allows you to view, save, and edit recorded videos on your computer. You can also view and overlay time, date, location, and speed information recorded with the video. Go to www.garmin.com/dashcamplayer for more information.

### Turning Audio Recording On or Off

The device can record audio using the integrated microphone while recording video. You can turn audio recording on or off at any time.

Select **Settings** > **Camera** > **Record Audio**.

### Deleting a Video or Photo

1. Select **Apps** > **Gallery** > **Yes**.
2. Select a video or photo.
3. Select > **Yes**.

## Advanced Driving Assistance System

Your device includes an advanced driving assistance system (ADAS), which uses the integrated dash camera to provide forward collision warnings and lane departure warnings while you are driving.

### Forward Collision Warning System

**⚠ WARNING**

The forward collision warning system (FCWS) feature is for information only and does not replace your responsibility to observe all road and driving conditions, abide by all traffic regulations, and use safe driving judgment at all times. The FCWS relies on the camera to provide a warning of upcoming vehicles and, as a result, may have limited functionality in low visibility conditions.

The FCWS feature alerts you when the device detects you are not maintaining a safe distance between your vehicle and the vehicle in front of you. The device determines your vehicle speed using GPS and calculates an estimated safe following distance based on your speed. The FCWS activates when your vehicle speed exceeds 48 km/hr (30 mph).

When the device detects you are too close to the vehicle ahead of you, the device plays an audible alert, and a warning appears at the top of the screen.

#### *Forward Collision Warning System Performance Tips*

Several factors affect the performance of the forward collision warning system (FCWS). Some conditions may prevent the FCWS feature from detecting a vehicle ahead of you.

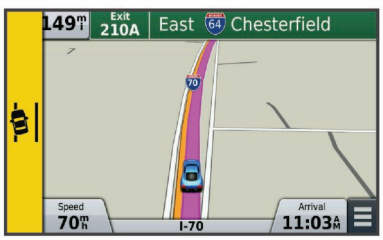
- The FCWS feature activates only when your vehicle speed exceeds 48 km/h (30 mph).
- The FCWS feature may not detect a vehicle ahead of you when the camera's view of the vehicle is obscured by rain, fog, snow, sun or headlight glare, or darkness.
- The FCWS feature may not function properly if the camera is incorrectly aligned (Aligning the Camera).
- The FCWS feature may not detect vehicles greater than 40 m (130 ft.) away or closer than 5 m (16 ft.).

### Lane Departure Warning System

**⚠ WARNING**

The lane departure warning system (LDWS) feature is for information only and does not replace your responsibility to observe all road and driving conditions, abide by all traffic regulations, and use safe driving judgment at all times. The LDWS relies on the camera to provide warnings for lane markers and, as a result, may have limited functionality in low visibility conditions.

The LDWS feature alerts you when the device detects you may be crossing a lane boundary unintentionally. For example, the device alerts you if you cross some solid painted lane boundaries or cross into an incoming traffic lane. The LDWS feature provides alerts only when your vehicle speed exceeds 64 km/h (40 mph). The alert appears on the left or right side of the screen to indicate which lane boundary you crossed.




**NOTE:** For the best LDWS performance, you should set the Camera Placement option to indicate the location of your device in the vehicle.

#### *Setting the Camera Placement*

You can mount the device in the left, center, or right of your windshield or dash. For the best LDWS performance, you should set the Camera Placement option to indicate the location of your device in the vehicle.

1. Select **Settings** > **Camera** > **Camera Placement**.
2. Select the location of the device.

#### *Lane Departure Warning Performance Tips*

Several factors affect the performance of the lane departure warning system (LDWS). Some conditions may prevent the LDWS feature from detecting lane departures.

- The LDWS feature provides alerts only when your vehicle speed exceeds 64 km/h (40 mph).

- The LDWS feature does not provide alerts on certain types of roads, such as highway ramps or merging lanes.
- The LDWS feature may not function properly if the camera is incorrectly aligned (Aligning the Camera).
- The LDWS feature may not function properly if the Camera Placement option does not correctly indicate the placement of your device in the vehicle.
- The LDWS feature requires a clear, continuous view of the lane divider lines.
  - Lane departures may not be detected when divider lines are obscured by rain, fog, snow, extreme shadows, sun or headlight glare, road construction, or any other visual obstruction.
  - Lane departures may not be detected if lane divider lines are misaligned, missing, or heavily worn.
- The LDWS feature may not detect lane departures on extremely wide, narrow, or winding roads.

# Navigating to Your Destination

## Routes

A route is a path from your current location to a destination. A route may include multiple locations, or stops, on the way to the destination (Adding a Location to Your Route). The device calculates the route to your destination based on the preferences you select in the navigation settings, such as the route calculation mode (Changing the Route Calculation Mode) and avoidances (Avoiding Delays, Tolls, and Areas).

## Starting a Route

1. Select **Where To?**.
2. Select **Enter Search**, enter a search term, and select (Finding a Location Using the Search Bar).

   **TIP:** You can also search for locations using categories, search tools, or other methods (Finding Locations).
3. Select a location.
4. Select **Go!**.

The device calculates a route to the location and guides you using voice prompts and information on the map (Your Route on the Map).

If you need to stop at additional locations, you can add the locations to your route (Adding a Location to Your Route). You can also shape the route to adjust its course (Shaping Your Route).

### Going Home

Select **Where To?** > **Go Home**.

#### *Editing Your Home Location Information*

1. Select **Where To?** > **Saved** > **Home**.
2. Select .
3. Select > **Edit**.
4. Enter your changes.
5. Select **Done**.

## Your Route on the Map

***NOTICE***

The speed limit feature is for information only and does not replace your responsibility to abide by all posted speed limit signs and to use safe driving judgment at all times. Garmin will not be responsible for any traffic fines or citations you receive for failing to follow all applicable traffic laws and signs.

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 action appear across the top of the map. The symbol ① indicates the type of action and the lane or lanes in which you should be traveling, if available. The device also displays the distance to the next action ② and the name of the street or exit associated with that action ③.

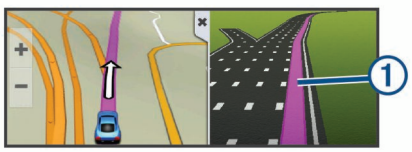
A colored line ④ highlights the course of your route on the map. Arrows on the map ⑤ indicate upcoming turns. When you approach your destination, a checkered flag indicates the location of your destination.

Your vehicle speed ⑥, the road on which you are traveling ⑦, and your estimated arrival time ⑧ appear at the bottom of the map. You can customize the arrival time data field to display other information (Changing the Map Data Field).

A data field displaying the speed limit may appear as you travel on major roadways. This feature is not available in all areas.

### Active Lane Guidance

As you approach a turn while navigating a route, a detailed simulation of the road appears beside the map, if available. A colored line ① indicates the proper lane for the turn.




### Viewing a List of Turns

While navigating a route, you can view all of the turns and maneuvers for your entire route and the distance between turns.

1. While navigating a route, select the text bar on the top of the map.
2. Select a turn.

   The details for the turn appear. If available, an image of the junction appears for junctions on major roadways.

### Viewing the Entire Route on the Map

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

## Destination Arrival with Garmin Real Vision™

Garmin Real Vision automatically displays a camera view when approaching some destinations, including addresses and geographic coordinates. The location of your destination appears on an image of your surroundings captured by the dash camera.

Some conditions may prevent this feature from appearing.

- This feature is not available in all areas or for all types of destinations.
- This feature may not appear for destinations far from the route or road, close to a turn or maneuver, or located on a very curvy or hilly road.
- This feature may not appear when the road or destination is obscured by weather, vegetation, or other obstructions.
- This feature may not appear in very bright or dark environments.

## Adding a Location to Your Route

Before you can add a location to your route, you must be navigating a route (Starting a Route).

You can navigate to additional locations on the way to your destination. For example, you can add a fuel station as the next stop in your route. You can also add a location to the end of your route.

**TIP:** To create complex routes with multiple locations or scheduled stops, you can use the trip planner to plan, edit, and save your route (Planning a Trip).

1. From the map, select > **Where To?**.
2. Search for a location (Finding Locations).
3. Select a location.
4. Select **Go!**.
5. Select an option:
   - To add the location as the next stop 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 adjust the order of locations in your route, select **Add to Active Route**.

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

## Shaping Your Route

Before you can shape your route, you must start a route (Starting 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 stop or 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

Before you can take a detour, you must be navigating a route and you must add the change route tool to the map tools menu (Enabling Map Tools).

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**.
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**.

## Stopping the Route

From the map, select > **Stop**.

## 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 **Less Fuel** to calculate routes that are more fuel-efficient.
   - Select **Shorter Distance** to calculate routes that are shorter in distance but can take more time to drive.

## 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 to filter the displayed points of interest by category.

   Location markers ( 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!**.

## Previewing Multiple Routes

1. Search for a location (Finding a Location by Category).
2. From the search results, select a location.
3. Select **Routes**.
4. Select a route.

## 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 scheduling information, 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 locations, and it must include at least a starting point and a 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. The destination is the final location in the trip. For a round trip, the starting location and destination can be the same. You can also include additional locations, or stops, between your starting location and your destination.

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

### Navigating to a Saved Trip

1. Select **Apps** > **Trip Planner**.
2. Select a saved trip.
3. Select **Go!**.
4. Select your next destination, and select **Start**.

### Optimizing the Order of Stops in a Trip

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

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

### Editing and Reordering Locations in a Trip

1. Select **Apps** > **Trip Planner**.
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 🗑.

### 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).

### Changing Trip Routing Options

You can change routing options to change how routes for your trip are calculated.

1. Select **Apps** > **Trip Planner**.
2. Select a saved trip.
3. Select one or more options:
   - To change the vehicle profile for the trip, select the vehicle profile icon.
   - To add shaping points to your trip, select ☰ > **Trip Settings** > **Shape Route**, and follow the on-screen instructions (Shaping Your Route).
   - To change the calculation mode for the trip, select ☰ > **Trip Settings** > **Route Preference** (Changing the Route Calculation Mode).

### Scheduling a Trip

You can add scheduling information to each location in your trip, including the desired arrival time and layover duration at each location. This can help you plan your departure to reach locations in your trip on time.

1. Select **Apps** > **Trip Planner**.
2. Select a trip.
3. Select ☰ > **Trip Settings** > **Edit Schedule**.
4. Select a location, and follow the on-screen instructions to enter the schedule information.

   **TIP:** If you need to schedule multiple locations in the trip, you should start from the beginning of the trip and work toward the end.
5. Repeat step 4 to enter schedule information for additional locations.
6. When finished, select **Save**.

When you navigate the trip, you should depart by the time shown under the starting point to reach your stops and destinations by the scheduled time. The schedule is an estimate only. Traffic conditions, construction, and other delays may affect your actual arrival times.

## Using Suggested Routes

Before you can use this feature, you must save at least one location and enable the travel history feature (Device and Privacy Settings).

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 Delays, Tolls, and Areas

### Avoiding Traffic Delays on Your Route

Before you can avoid traffic delays, you must be receiving traffic information (Receiving Traffic Data Using a Traffic Receiver).

By default, the device optimizes your route to avoid traffic delays automatically. If you have disabled this option in the traffic settings (Traffic Settings), you can view and avoid traffic delays manually.

1. While navigating a route, select ☰ > **Traffic**.
2. Select **Alternate Route**, if available.
3. Select **Go!**.

### 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**.

### Avoiding Environmental Zones

Your device can avoid areas with environmental or emissions restrictions that may apply to your vehicle.

1. Select **Settings** > **Navigation** > **Environmental Zones**.
2. Select an option:
   - To be asked each time before routing through an environmental zone, select **Always Ask**.
   - To always avoid environmental zones, select **Avoid**.
   - To always allow environmental zones, select **Allow**.
3. Select **Save**

### Custom Avoidances

#### *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 🗑.
   - 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 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 (Finding a Location Using the Search Bar).
- Browse or search pre-loaded points of interest by category (Points of Interest).
- Search and check into Foursquare points of interest (Searching Foursquare Points of Interest).
- Use search tools to find specific locations, such as addresses, intersections, or geographic coordinates (Search Tools).
- Search near a different city or area (Changing the Search Area).
- Save your favorite locations to find them quickly in the future (Saving Locations).
- Return to recently found locations (Finding Recently Found Destinations).

## 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 🔍.
6. If necessary, select a location.

## Changing the Search Area

1. From the main menu, select **Where To?**.
2. Select **Searching near:**.
3. Select an option.

## 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 by Category

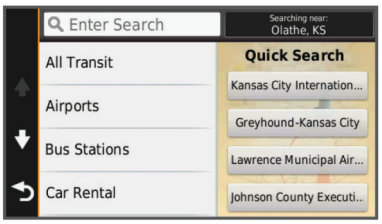
1. Select **Where To?**.
2. Select a category, or select **Categories**.
3. If necessary, select a subcategory.
4. Select a location.

### 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?**.

2 Select a category, or select **Categories**.
3 Select a category.
4 If applicable, select a destination from the Quick Search list.




5 If necessary, select the appropriate destination.

### Navigating to Points of Interest Within a Venue

You can create a route to a point of interest (POI) within a larger venue, such as a store in a shopping mall or a specific terminal in an airport.

1 Select **Where To?** > **Enter Search**.
2 Select an option:
- To search for the venue, enter the name or address of the venue, select Q, and go to step 3.
- To search for the POI, enter the name of the POI, select Q, and go to step 5.

3 Select the venue.
A list of categories appears below the venue, such as restaurants, car rentals, or terminals.
4 Select a category.
5 Select the POI, and select **Go!**.

The device creates a route to the parking area or venue entrance closest to the POI. When you arrive at the destination, a checkered flag indicates the recommended parking area. A labeled point indicates the location of the POI within the venue.

#### *Exploring a Venue*

You can view a list of all points of interest located within each venue.

1 Select a venue.
2 Select ⓘ > **Explore this Venue**.

### 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.

For additional features, you can connect to your Foursquare account using Smartphone Link on your compatible smartphone. When you connect to your Foursquare account using Smartphone Link, you can view Foursquare location details, check in to a location, and search for points of interest in the online Foursquare database.

#### *Searching Foursquare Points of Interest*

You can search for Foursquare points of interest loaded on your device. When you connect to your Foursquare account using Smartphone Link, the search provides the most up-to-date results from the online Foursquare database and customized results from your Foursquare user account.

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

#### *Connecting to Your Foursquare Account*

1 Connect your device to Smartphone Link (Connecting to Smartphone Link).
2 On your smartphone, open the Smartphone Link app.
3 Open the Smartphone Link app settings, and select **Foursquare®** > **Login**.
4 Enter your Foursquare login information.

#### *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**.

## 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 (Changing 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:** (Changing the Search Area).
- To search for a city by name, select **Enter Search**, enter a city name, and select Q.

### 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**.

## Finding Recently Found Destinations

Your device stores the last 50 destinations you have found.

1 Select **Where To?** > **Recent**.
2 Select a location.

### Clearing the List of Recently Found Locations

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

## Finding Your Last Parking Spot

When you disconnect the device from vehicle power while the device is on, your current location is saved as a parking spot.

Select **Apps** > **Last Spot**.

## 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**, or **Fuel**.

   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 the shortcut to remove.
3. Select the shortcut again to confirm.
4. Select **Save**.

## Saving Locations

### Saving a Location

1. Search for a location (Finding a Location by Category).
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**.

### Saving a Home Location

You can set your home location for the location you return to most often.

1. Select **Where To?** > ☰ > **Set Home Location**.
2. Select **Enter My Address**, **Use Current Location**, or **Recently Found**.

The location is saved as "Home" in the Saved menu.

#### *Going Home*

Select **Where To?** > **Go Home**.

#### *Editing Your Home Location Information*

1. Select **Where To?** > **Saved** > **Home**.
2. Select ⓘ.
3. Select ☰ > **Edit**.
4. Enter your changes.
5. Select **Done**.

### 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) 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!** (Starting a Route by Using the Map).

## Map Tools

Map tools provide quick access to information and device functions while you are viewing the map. For example, you can view traffic information, take a detour, or adjust the screen brightness without leaving the map. When you activate a map tool, it appears in a panel at the edge of the map.

### 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 enable additional tools.

1 From the map, select ☰ > 🔧.
2 Select the check box next to each tool to add.
3 Select **Save**.

## Up Ahead

You can view upcoming businesses and services along your route or the road on which you are traveling. Services are filtered by category.

### Finding Upcoming Points of Interest

1 From the map, select ☰ > **Up Ahead**.
2 Select a category.
3 Select a point of interest on the map.

### Customizing the Up Ahead Categories

You can change the categories you search for, rearrange the order of the categories, and search for a specific business or category.

1 From the map, select ☰ > **Up Ahead**.
2 Select a service icon.
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 (Enabling Map Tools).

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

#### *Customizing the Trip Data Fields*

Before you can customize the data that appears in the trip data fields on the map, you must add the Trip Data tool to the map tools menu (Enabling Map Tools).

1 Select **View Map**.
2 Select ☰ > **Trip Data**.
3 Select a trip data field.
4 Select an option.
   The new trip data field appears in the trip data list.

### 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.

## Viewing Upcoming Traffic

You can view traffic incidents coming up along your route or along the road on which you are traveling.

1 While navigating a route, select ☰ > **Traffic**.
   The nearest upcoming traffic incident appears in a panel on the right side of the map.
2 Select the traffic incident to view additional details.

### Viewing Traffic on the Map

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

1 From the main menu, select **Apps** > **Traffic**.
2 If necessary, select ☰ > **Legend** to view the legend for the traffic map.

### Searching for Traffic Incidents

1 From the main menu, select **Apps** > **Traffic**.
2 Select ☰ > **Incidents**.
3 Select an item in the list.
4 If there is more than one incident, use the arrows to view additional incidents.

## Safety Cameras

***NOTICE***

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

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

Information about safety camera locations and speed limits is available in some areas for some product models. Go to www.garmin.com/safetycameras to check availability and compatibility, or to purchase a subscription or one-time update. You can purchase a new region or extend an existing subscription at any time.

You can update safety cameras for an existing safety camera subscription by going to http://my.garmin.com. You should update your device frequently to receive the most up-to-date safety camera information.

For some devices and regions, basic safety camera data may be included with your device. Included data does not include updates or a subscription.

## 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**.

# Traffic

***NOTICE***

Garmin is not responsible for the accuracy or timeliness of the traffic information.

Traffic information may not be available in all areas or countries. For information about traffic receivers and coverage areas, go to www.garmin.com/traffic.

A traffic receiver is included in some packages, built into either the vehicle power cable or the device, and is an optional accessory for all models.

- Traffic alerts appear on the map when there are traffic incidents along your route or in your area.
- You can receive traffic information through a traffic receiver or as a subscription service through Smartphone Link (Garmin Live Services).
- The device must be connected to Smartphone Link with an active traffic subscription to receive traffic information through Smartphone Link.
- The device must be connected to vehicle power to receive traffic information through a traffic receiver.
- The powered traffic receiver and the device may need to be in data range of a station transmitting traffic data to receive traffic information.
- You do not need to activate the subscription included with your device or traffic receiver.
- If your device includes an external traffic antenna, you should always leave the external antenna plugged in for the best traffic reception.

## Receiving Traffic Data Using a Traffic Receiver

***NOTICE***

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

Before you can receive traffic data using a traffic receiver, you must have a traffic-compatible power cable. If your device model includes lifetime traffic, you should use the vehicle power cable packaged with your device. If your device model does not include traffic, you must purchase a Garmin traffic receiver accessory. Go to www.garmin.com/traffic for more information.

Your device can receive traffic signals from a station broadcasting traffic data.

**NOTE:** In some areas, traffic information may be received from FM radio stations using HD Radio™ technology.

1. Connect the traffic-compatible power cable to an external power source.
2. Connect the traffic-compatible power cable to the device.

When you are within a traffic coverage area, your device displays traffic information.

## Receiving Traffic Data Using Smartphone Link

The Live Traffic service provides real-time traffic data.

1. Download Smartphone Link onto your compatible phone (Downloading Smartphone Link).
2. Subscribe to the Live Traffic service (Subscribing to Garmin Live Services).
3. Connect the device to the phone running Smartphone Link (Connecting to Smartphone Link).

## Traffic Receiver

| | |
|---|---|
| ① | Mini-USB connector |
| ② | External antenna connector |
| ③ | Internal antenna |
| ④ | Power LED |
| ⑤ | Vehicle power adapter |

### Positioning the Traffic Receiver

You can position the traffic receiver power cable for optimal traffic reception.

1. Uncoil the cable.
2. Place the middle of the cable in a location with an unobstructed view of the sky, such as the dash.

   **NOTE:** Do not rest the cable on the cable plug that connects to the vehicle power source.

   Do not place the cable on the floor or underneath other objects.

## About Traffic Subscriptions

You can purchase additional subscriptions or a renewal if your subscription expires. Go to http://www.garmin.com/traffic.

### Subscription Activation

You do not need to activate the subscription included with your FM traffic receiver. The subscription activates automatically after your device acquires satellite signals while receiving traffic signals from the pay service provider.

### Viewing Traffic Subscriptions

Select **Settings** > **Traffic** > **Subscriptions**.

### Adding a Subscription

You can purchase traffic subscriptions for other regions or countries.

1. From the main menu, select **Traffic**.
2. Select **Subscriptions** > ✚.
3. Write down the FM traffic receiver unit ID.
4. Go to www.garmin.com/fmtraffic to purchase a subscription and get a 25-character code.

   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.
5. Select **Next** on the device.
6. Enter the code.
7. Select **Done**.

## Enabling Traffic

You can enable or disable traffic data. When traffic data is disabled, the device does not receive traffic data, but it still avoids potentially congested areas in routes using the trafficTrends™ feature, if enabled.

1. Select **Settings** > **Traffic**.
2. Select the **Traffic** check box.

# Voice Command

**NOTE:** Voice command is not available for all languages and regions, and may not be available on all models.

**NOTE:** Voice Activated Navigation may not achieve desired performance when in a noisy environment.

Voice command allows you to use your device by saying words and commands. The voice command menu provides voice prompts and a list of available commands.

## Setting the Wakeup Phrase

The wakeup phrase is a word or phrase you can say to activate voice command. The default wakeup phrase is Voice Command.

**TIP:** You can reduce the chance of accidental voice command activation by using a strong wakeup phrase.

1. Select **Apps** > **Voice Command** > 🔧 > **Wake Up Phrase**.
2. Enter a new wakeup phrase.

   The device indicates the strength of the wakeup phrase as you enter the phrase.
3. Select **Done**.

## Activating Voice Command

Say your wakeup phrase.

The voice command menu appears.

## Voice Command Tips

- Speak in a normal voice directed at the device.
- Reduce background noise, such as voices, or the radio, to increase the accuracy of the voice recognition.
- Speak commands as they appear on the screen.
- Respond to voice prompts from the device as needed.
- Increase the length of your wakeup phrase to reduce the chance of accidental voice command activation.
- Listen for two tones to confirm when the device enters and exits voice command.

## Starting a Route Using Voice Command

You can say the names of popular, well-known locations.

1. Say your wakeup phrase (Setting the Wakeup Phrase).
2. Say **Find Place**.
3. Listen for the voice prompt, and speak the name of the location.
4. Say the line number.
5. Say **Navigate**.

## Muting Instructions

You can disable the voice prompts for voice command without muting the device.

1. Select **Apps** > **Voice Command** > 🔧.
2. Select **Mute Instructions** > **Enabled**.

## Voice Control

For regions where the Voice Command feature is unavailable, the Voice Control feature is activated. Voice Control allows you to use your voice to control the device. Before you can use the Voice Control feature, you must configure it for your voice.

### Configuring Voice Control

The Voice Control feature must be configured for a single user's voice and does not work for other users.

1. Select **Apps** > **Voice Control**.
2. Follow the on-screen instructions to record commands for each voice control phrase.

   **NOTE:** You do not have to read the exact phrase on the screen. You may say an alternative command with the same meaning based on your preference.

To use a voice control feature, you must say the command you recorded for the feature.

### Using Voice Control

1. Say the command you recorded for the **Voice Control** phrase.

   The voice control menu appears.
2. Follow the on-screen instructions.

### Voice Control Tips

- Speak in a normal voice directed at the device.
- Reduce background noise, such as voices, or the radio, to increase the accuracy of the voice recognition.
- Speak commands as they appear on the screen.
- Listen for a tone to confirm when the device successfully receives a command.

# Hands-Free Calling

**NOTE:** While most phones are supported and can be used, it cannot be guaranteed that a particular phone can be used. All features may not be available for your phone.

Using Bluetooth wireless technology, your device can connect to your mobile phone to become a hands-free device. While connected, you can place or receive calls using your device.

## Pairing Your Phone

1. Place your phone and your nüviCam device within 33 ft. (10 m) of each other.
2. On your phone, enable Bluetooth wireless technology, and set the phone to be discoverable.
3. On your nüviCam device, select **Settings** > **Bluetooth**.
4. Follow the on-screen instructions on your phone and your nüviCam device.

### Enabling Bluetooth Wireless Technology

1. Select **Settings** > **Bluetooth**.
2. Select **Bluetooth**.

### Tips After Pairing the Devices

- After the initial pairing, the two devices can connect automatically each time you turn them on.
- When your phone is connected to your device, you are ready to receive voice calls.
- When you turn on the device, it tries to connect to the last phone to which it was connected.
- You might need to set your phone to connect to the device automatically when the device is turned on.

### Disconnecting a Bluetooth Device

You can temporarily disconnect a Bluetooth device without deleting it from the paired devices list. The Bluetooth device can still connect to your nüviCam device automatically in the future.

1. Select **Settings** > **Bluetooth**.
2. Select the device you want to disconnect.
3. Clear the device check box.

### Deleting a Paired Phone

You can delete a paired phone to prevent it from automatically connecting to your device in the future.

1. Select **Settings** > **Bluetooth**.
2. Select the phone, and select **Unpair device**.

## Placing a Call

### Dialing a Number

1. Select **Apps** > **Phone** > **Dial**.
2. Enter the number.
3. Select **Dial**.

### Calling a Contact in Your Phone Book

Your phone book is loaded from your phone to the device each time your phone and the device connect. It may take a few minutes for the phone book to be available. Some phones do not support this feature.

1. Select **Apps** > **Phone** > **Phone Book**.
2. Select a contact.
3. Select **Call**.

### Calling a Location

1. Select **Apps** > **Phone** > **Browse Categories**.
2. Select a point of interest.
3. Select **Call**.

## Receiving a Call

When you receive a call, select **Answer** or **Ignore**.

## Using the Call History

Your call history is loaded from your phone to the device each time your phone and the device connect. It may take a few minutes for the call history to be available. Some phones do not support this feature.

1. Select **Apps** > **Phone** > **Call History**.
2. Select a category.

   A list of calls appears, with the most recent calls at the top.
3. Select a call.

## Using In-Call Options

While on a call, you can select in-call options from the map.

- To transfer audio to your phone, select .

  **TIP:** You can use this feature if you want to turn off your device and remain on the call, or if you need privacy.
- To use the dial pad, select .

  **TIP:** You can use this feature to use automated systems, such as voice mail.
- To mute the microphone, select .
- To hang up, select .

## Saving a Home Phone Number

**TIP:** After you save a home number, you can edit the home number by editing “Home” in your list of saved locations (Editing a Saved Location).

1. Select **Apps** > **Phone** > > **Set Home Number**.
2. Enter your phone number.
3. Select **Done**.

### Calling Home

Before you can call home, you must enter a phone number for your home location.

Select **Apps** > **Phone** > **Call Home**.

# Using the Apps

## Using Help

Select **Apps** > **Help** to view information about using the device.

### Searching Help Topics

Select **Apps** > **Help** > .

## Smartphone Link

Smartphone Link is a phone application that allows you to synchronize location data with your phone and access live information using your phone data connection. Your device transfers data from Smartphone Link using Bluetooth wireless technology. Live information is available through free and subscription-based plans from Garmin Live Services (Garmin Live Services).

Saved locations and recently found locations are synchronized with your phone each time your device connects to Smartphone Link.

### Downloading Smartphone Link

Smartphone Link is available for some smartphones. Go to www.garmin.com/smartphonelink or see the application store for your phone for compatibility and availability information.

Download Smartphone Link from the application store on your supported phone.

See your phone owner's manual for information on downloading and installing applications.

### Connecting to Smartphone Link

Before you can connect to Smartphone Link, you must download and install the Smartphone Link application on your phone.

1. Start Smartphone Link on your phone.

2. From your device, select **Settings** > **Bluetooth**.
3. Select the **Bluetooth** check box.
4. From your phone, enable Bluetooth wireless technology, and scan for nearby Bluetooth devices.

   See your phone owner's manual for more information.
5. From your phone, select your device from the list of nearby devices.
6. Follow the on-screen instructions on your phone and on your device to confirm the pairing request.

   appears in the status bar on your device when Smartphone Link is connected.

### Sending a Location from Your Phone to Your Device

Smartphone Link is registered as a navigation application on your phone.

1. From your phone, select the button to start navigating to a location (see the owner's manual for your phone).
2. From the application menu, select **Smartphone Link**.

The next time you connect your device to your phone, the location is transferred to the recently found items on your device.

### Disabling Calls While Connected to Smartphone Link

While the device is connected to the phone and receiving Garmin Live Services, you can disable hands-free calling.

1. Select **Settings** > **Bluetooth**.
2. Select your phone.
3. Clear the **Phone calls** check box.

## Garmin Live Services

Before you can use Garmin Live Services, your device must be connected to a supported phone running Smartphone Link (Connecting to Smartphone Link).

Connecting to Smartphone Link provides access to Garmin Live Services. Garmin Live Services provides free and subscription-based plans to view live data on your device, such as traffic conditions and weather.

Some services, like weather, are available as separate apps on your device. Other services, like traffic, enhance the existing navigation features on your device. Features that require access to Garmin Live Services display the Smartphone Link symbol and appear only when the device is connected to Smartphone Link.

### Subscribing to Garmin Live Services

Before you can subscribe to Garmin Live Services, you must install the Smartphone Link app on your phone.

1. Start the Smartphone Link app on your phone (Connecting to Smartphone Link).
2. Select **My Account**.

   A list of services and subscription prices appears.
3. Select a service.
4. Select the price.
5. Select **Subscribe**.
6. Follow the on-screen instructions.

### About Traffic Cameras

Traffic cameras provide live images of traffic conditions on major roadways and intersections. You can save cameras that you want to view regularly.

#### *Saving a Traffic Camera*

Before you can use this feature, you must subscribe to the photoLive service, and your device must be connected to a supported phone running Smartphone Link (Smartphone Link).

This feature is not available in all areas.

1. Select **Apps** > **photoLive**.
2. Select **Touch to Add**.
3. Select a road.
4. Select an intersection.
5. Select **Save**.

#### *Viewing a Traffic Camera*

Before you can view a traffic camera, you must save a traffic camera (Saving a Traffic Camera).

1. Select **Apps** > **photoLive**.
2. Select a camera.

## About ecoRoute

In some areas, before you can use ecoRoute™ features, you must purchase an unlock code. Go to www.garmin.com/ecoroute for more information.

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

The data provided by the ecoRoute feature is an estimate only. The data is not actually read from the vehicle.

### Setting Up the Vehicle

The first time you use the ecoRoute features, you must enter vehicle information.

1. Select **Apps** > **ecoRoute™**.
2. Follow the on-screen instructions.

### Changing the Fuel Price

1. Select **Apps** > **ecoRoute™** > **At the Pump**.
2. Enter the current price of fuel, and select **Next**.
3. Select **Yes**.

### Calibrating the Fuel Economy

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

1. Select **Apps** > **ecoRoute™** > **At the Pump**.
2. Enter the current fuel price.
3. Enter the amount of fuel the vehicle has used since the last time the fuel tank was filled.
4. Enter the distance you have traveled since the last time the fuel tank was filled.
5. Select **Next**.

   The device calculates the average vehicle fuel economy.
6. Select **Save**.

### About ecoChallenge

ecoChallenge helps you maximize the vehicle fuel economy by scoring your driving habits. The higher your ecoChallenge scores, the more fuel you have saved. The ecoChallenge collects data and calculates a score whenever your device is moving and in Automobile transportation mode.

#### *Viewing ecoChallenge Scores*

Select **Apps** > **ecoRoute™** > **ecoChallenge**.

#### *About the ecoChallenge Score*

**Acceleration**: Displays your score for smooth and gradual acceleration. You lose points for rapid acceleration.

**Braking**: Displays your score for smooth and gradual braking. You lose points for hard braking.

**Overall**: Displays an average of the speed, acceleration, and braking score.

**Speed**: Displays your score for driving your vehicle at the optimal speed for conserving fuel.

#### *Resetting the ecoChallenge Scores*

1. Select **Apps** > **ecoRoute™** > **ecoChallenge**.
2. Select ☰ > **Reset**.

### Viewing Fuel Economy Information

1. Select **Apps** > **ecoRoute™** > **Fuel Economy**.
2. Select a section of the graph to zoom in.

### Mileage Reports

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 device, a mileage report is created for the distance you traveled.

#### *Viewing a Mileage Report*

You can view saved mileage reports on the device.

**TIP:** You can connect the device to your computer and access mileage reports in the Reports folder on the device.

1. Select **Apps** > **ecoRoute™** > **Mileage Report**.
2. Select a report.

### Resetting ecoRoute Information

1. Select **Apps** > **ecoRoute™** > **Vehicle Profile**.
2. Select **Reset**.

### Driving Tips

- Drive the speed limit. In most vehicles, you will achieve optimal fuel economy between 45 mph and 60 mph.
- Drive a consistent speed.
- Brake and accelerate gradually and consistently.
- Avoid stop-and-go traffic and rush hour.
- Do not rest your foot on the brake pedal.
- Use the cruise control.
- Turn your vehicle off instead of idling for temporary stops.
- Combine small trips into one longer trip with multiple stops.
- Turn off the air conditioner and open your windows, unless you are traveling at high speeds on the highway.
- Tighten your gas cap.
- Park in the shade or in the garage.
- Unload excess weight. Remove unneeded items from your vehicle.
- Avoid carrying items on your roof. Remove rooftop carriers and removable racks when not in use.
- Maintain the recommended tire pressure. Check tire pressure regularly and before long trips.
- Keep your vehicle well-tuned, and follow the vehicle manufacturer's recommended maintenance intervals.
- Change your oil, oil filters, and air filters regularly.
- Use the lowest recommended suitable grade of fuel. Use biofuels when feasible, such as E85 and biodiesel.

## Viewing myGarmin Messages

Before you can use this feature, your device must be connected to a supported phone running Smartphone Link (Connecting to Smartphone Link). This feature is not available in all areas.

You can view messages from myGarmin, such as notifications for software and map updates.

1. Select **Apps** > **myGarmin™**.

   If you have unread messages, the number of unread messages appears on the myGarmin icon.
2. Select a message subject.

   The full message appears.

## Viewing the Weather Forecast

Before you can use this feature, your device must be connected to a supported phone running Smartphone Link (Connecting to Smartphone Link). This feature is not available in all areas.

1. Select **Apps** > **Weather**.
2. Select a day.

   The detailed forecast for that day appears.

### Viewing Weather Near a Different City

1. Select **Apps** > **Weather** > **Current Location**.
2. Select an option:
   - To view weather for a favorite city, select a city in the list.
   - To add a favorite city, select **Add City**, and enter a city name.

### Viewing the Weather Radar

Before you can use this feature, you must purchase Advanced Weather service using Smartphone Link.

You can view an animated, color-coded radar map of current weather conditions, as well as a weather icon on the map. The weather icon changes to show weather in the vicinity, such as rain, snow, and thunderstorms.

1. Select **Apps** > **Weather**.
2. If necessary, select a city.
3. Select ☰ > **Weather Radar**.

### Viewing Weather Alerts

Before you can use this feature, you must purchase Advanced Weather service using Smartphone Link.

While you are traveling with your device, weather alerts may appear on the map. You can also view a map of weather alerts near your current location or near a selected city.

1. Select **Apps** > **Weather**.
2. If necessary, select a city.
3. Select ☰ > **Weather Alerts**.

### Checking Road Conditions

Before you can use this feature, you must purchase Advanced Weather service using Smartphone Link.

1. Select **Apps** > **Weather**.
2. If necessary, select a city.
3. Select ☰ > **Road Conditions**.

## Viewing Previous Routes and Destinations

Before you can use this feature, you must enable the travel history feature (Device and Privacy Settings).

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

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

# Customizing the Device

## Map and Vehicle Settings

Select **Settings** > **Map & Vehicle**.

**Vehicle**: Sets the icon that represents your position on the map. Go to www.garmingarage.com for more icons.

**Driving Map View**: Sets the perspective 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.

**Map Layers**: Sets the data that appears on the map page (Customizing the Map Layers).

**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

To open the Navigation settings page, from the main menu, select **Settings** > **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.

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

**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.

**Restricted Mode**: Disables all functions that require significant operator attention and could become a distraction while driving.

**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.

**Less Fuel**: Calculates routes that could use less fuel than other routes.

**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 to set 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**.

## Camera Settings

Select **Settings** > **Camera**.

**Garmin Real Vision™**: Displays a camera view when approaching some destinations (Destination Arrival with Garmin Real Vision™).

**Forward Collision Warning**: Alerts you when the device detects you are following too closely to the vehicle in front of you (Forward Collision Warning System).

**Lane Departure Warning**: Alerts you when the device detects you may be crossing a lane boundary unintentionally (Lane Departure Warning System).

**Camera Placement**: Allows you to indicate the placement of your device in the vehicle.

**Record on Startup**: The dash camera starts recording video automatically when you turn on the device.

**Automatic Incident Detection**: Saves video automatically when the device detects a possible driving incident.

**Record Audio**: Records audio using the device microphone while recording video.

**Data Overlay**: Includes date, time, location, and speed information in the recorded video.

**Video Resolution**: Sets the resolution and quality for video recordings.

**Record After Power Loss**: Continues recording video up to a selected time period after external power has been lost.

## Bluetooth Settings

Select **Settings** > **Bluetooth**.

**Bluetooth**: Enables Bluetooth wireless technology.

**Search for Devices**: Searches for nearby Bluetooth devices.

**Friendly Name**: Allows you to enter a friendly name that identifies your device on other devices with Bluetooth wireless technology.

### Disabling Bluetooth

1. Select **Settings** > **Bluetooth**.
2. Select **Bluetooth**.

## Display Settings

To open the Display settings page, from the main menu, select **Settings** > **Display**.

**Color Mode**: Sets the device to display day or night colors. You can select Auto to allow the device to automatically set day or night colors based on the time of day.

**Brightness**: Adjusts the display brightness.

**Display Timeout**: Sets the amount of idle time before your device enters sleep mode.

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

## Traffic Settings

To open the traffic settings page, from the main menu, select **Settings** > **Traffic**.

**Traffic**: Enables traffic.

**Current Provider**: Sets the traffic provider to use for traffic data. Auto selects the best available traffic data automatically.

**Subscriptions**: Lists current traffic subscriptions.

**Optimize Route**: Selects whether to use optimized alternate routes automatically or upon request (Avoiding Traffic Delays on Your Route).

**Traffic Alerts**: Selects the traffic delay severity for which the device displays a traffic alert.

**trafficTrends™**: Enables the trafficTrends feature.

## 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.

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

To open the device settings, select **Settings** > **Device**.

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

**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

## 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 at http://my.garmin.com.

## Resetting the Device

You can reset your device if it stops functioning.

Hold the power key for 12 seconds.

## Specifications

| | |
|---|---|
| Operating temperature range | From -20° to 55°C (from -4° to 131°F) |
| 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 |

# Appendix

## Support and Updates

Garmin Express™ provides easy access to these services for Garmin devices. Some services may not be available for your device.

- Product registration
- Product manuals
- Software updates
- Map, chart, or course updates
- Vehicles, voices, and other extras

### Setting Up Garmin Express

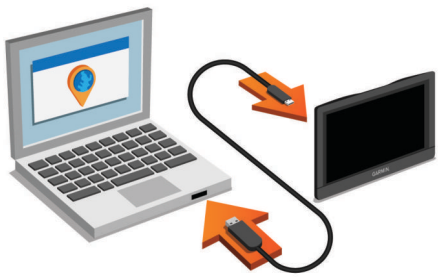
1. Connect the device to your computer using a USB cable.
2. Go to www.garmin.com/express.
3. Follow the on-screen instructions.

### 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. Map updates provide the latest available mapping data to ensure your device continues to calculate accurate and efficient routes to your destinations. Garmin Express is available for Windows® and Mac® computers.

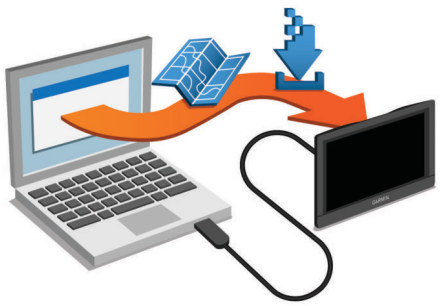
1 On your computer, go to www.garmin.com/express.

2 Select an option:
   - To install on a Windows computer, select **Download for Windows**.
   - To install on a Mac computer, select **Mac Version**.
3 Open the downloaded file, and follow the on-screen instructions to complete the installation.
4 Start Garmin Express.
5 Connect your Garmin device to your computer using a USB cable.



The Garmin Express software detects your device.

6 Enter an email address for product registration (optional).
7 Click **save device**.
8 Click **check for updates**.
   A list of available map and software updates appears.
9 Select the updates to install.
10 Click **Install Now**.



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.

## 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.

### 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 and microSDHC memory cards.

1 Insert a memory card ① into the slot ②.

2 Press it in until it clicks.

### 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 (Connecting 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.

## Power Cables

Your device can be powered various ways.

- Vehicle power cable
- USB cable

- AC adapter (optional accessory)

### 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 the vehicle power cable.
- Connect the device to a computer using a USB cable.

  The device may charge slowly when connected to a computer. Some portable computers may not charge the device.
- 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 www.garmin.com.

### 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 90 degrees 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 90 degrees clockwise to lock it back into the vehicle power cable ④.

## Removing the Device, Mount, and Suction Cup

### Removing the Device from the Mount

1. Grip the device by the top and bottom.
2. Pull the bottom edge of the device toward you until it releases from the magnet.

   Pulling the device straight toward you may cause the mount to release from the suction cup.

### 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.

## Purchasing Additional Maps

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

## Purchasing Accessories

Go to http://buy.garmin.com.

# 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 (Mounting and Powering the nüviCam Device in Your Vehicle).

## My device is not acquiring satellite signals

- Verify the GPS simulator is turned off (Navigation Settings).
- 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 (Changing 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 (Display Settings).
- Shorten the display timeout (Display Settings).
- Decrease the volume (Adjusting the Volume).
- Disable Bluetooth wireless technology (Disabling Bluetooth).
- Put the device in sleep mode when not in use (Entering and Exiting Sleep Mode).
- Keep your device away from extreme temperatures.
- Do not leave your device in direct sunlight.

## My device does not appear as a removable drive on my computer

On most Windows computers, the device connects using Media Transfer Protocol (MTP). In MTP mode, the device appears as a portable device and not as a removable drive. MTP mode is supported by Windows 7, Windows Vista®, and Windows XP Service Pack 3 with Windows Media Player 10.

## My device does not appear as a portable device on my computer

On Mac computers and some Windows computers, the device connects using USB mass storage mode. In USB mass storage mode, the device appears as a removable drive or volume, and not as a portable device. Windows versions prior to Windows XP Service Pack 3 use USB mass storage mode.

## My device does not appear as either a portable device or a removable drive or volume on my computer

1. Disconnect the USB cable from your computer.
2. Turn off the device.
3. Plug the USB cable into a USB port on your computer and into your device.

**TIP:** Your device should be connected directly to a USB port on your computer and not to a USB hub.

The device automatically turns on and goes into MTP mode or USB mass storage mode. A picture of the device connected to a computer appears on the device screen.

## My phone will not connect to the device

- Select **Settings** > **Bluetooth**.

  The Bluetooth field must be set to Enabled.
- Enable Bluetooth wireless technology on your phone and bring your phone within 33 ft. (10 m) of the device.
- Go to www.garmin.com/bluetooth for more help.

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