

GARMIN[®]



aera[™]

automotive
owner's manual

models: 500, 510, 550, 560

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Introduction



Manual Conventions

When you are instructed to “touch” something, use your finger to touch an item on the screen.

The small arrows (>) used in the text indicate that you should touch a series of items. For example, if you see “touch **Where To?** > **Favorites**” you should touch **Where To?**, and then touch **Favorites**.

This manual applies to the automotive mode for the aera. See the *aera Pilot's Guide* and *aera Quick Reference Guide* for instructions and information on the aviation mode.

aera Tips and Shortcuts

- To quickly return to the Menu page, touch and hold **Back**.
- Touch  and  to see more choices. Touch and hold to scroll faster.
- Pages appear differently based on your usage mode and settings.

Contact Garmin

Contact Garmin if you have any questions while using your aera. In the USA, go to 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 and click **Contact Support** for in-country support information, or contact Garmin (Europe) Ltd. by phone at +44 (0) 870.8501241.

myGarmin™

Go to <http://my.garmin.com> to access the latest services for your Garmin products:

- Register your Garmin unit.
- Subscribe to online services for safety camera information (see [page 34](#)).
- Unlock optional maps.

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aera 500 Series Models

Features	XM® Compatible	Lane Assist	Speed Limits On Map Page	FM TMC Traffic Compatible
500				
510	✓			
550		✓	✓	✓
560	✓	✓	✓	✓

NOTE: Go to www.garmin.com or see the packaging contents on your product box for more information.

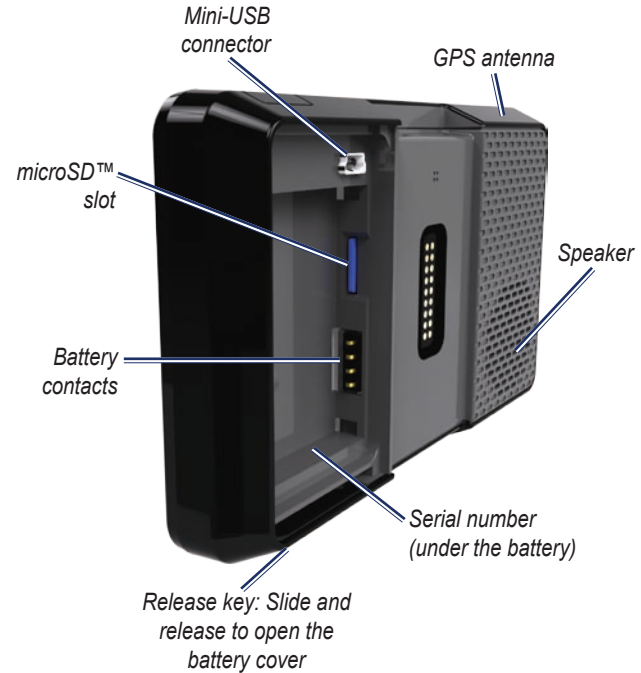
Getting Started



Power button:

Press and hold to turn the aera on/off.

Press quickly to adjust the volume and the backlight brightness.



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

Installing the Battery

1. Locate the lithium-ion battery that came in the product box.
2. Slide the release key until the battery cover on the back of the aera opens up.
3. Remove the battery cover.
4. Locate the metal contacts on the end of the lithium-ion battery.
5. Insert the battery so that the metal contacts on the battery line-up with the metal contacts inside the battery compartment.
6. Slide the top of the battery cover into the groove on the inside of the battery compartment, and press down.



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

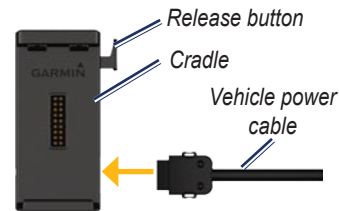
Charging Your aera

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

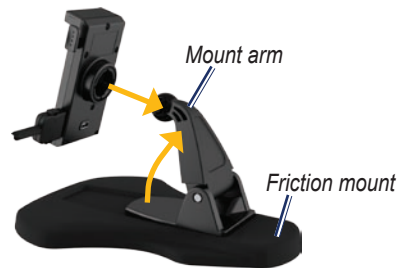
- Connect the vehicle power cable.
- Connect the USB cable.
- Connect an AC adapter (optional accessory).
- Use a battery charger (optional accessory).

Mounting Your aera in an Automobile

1. Plug the vehicle power cable into the power connector on the right side of the cradle.



2. Remove the clear plastic from the bottom of the friction mount and shape it to your dashboard.
3. Place the friction mount on your dashboard so it is easily accessible.
4. Lift the arm up.




5. Snap the cradle onto the friction mount arm.
6. Fit the bottom of your aera into the cradle.




7. Tilt the aera back until it snaps into place.
8. Plug the other end of the vehicle power cable into a power outlet in your vehicle.

Configuring Your aera

Your unit should turn on automatically if it is plugged in and your vehicle is running. To manually turn on your aera, press the  **Power** key. Follow the on-screen instructions.

Acquiring Satellites

1. Go outdoors to an open area, out of garages, and away from tall buildings.
2. Turn on your aera.

Acquiring satellite signals may take a few minutes. The  bars indicate GPS signal. When one bar is green, the aera has acquired satellite signals. Now you can select a destination and navigate to it.

Changing Modes



Automotive



Aviation

Your aera offers two modes for transportation: automotive and aviation.

1. Touch a mode icon.
2. Touch **Yes**.

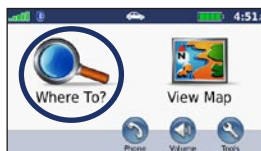
Using the Menu Page



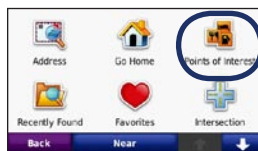
- 1 GPS signal.
- 2 Bluetooth® technology status.
- 3 Touch to select automobile or aviation mode.
- 4 Battery status.
- 5 Current time. Touch to change settings.
- 6 Touch to find a destination.
- 7 Touch to view the map.
- 8 Touch to make a call when connected to a [compatible mobile phone](#).
- 9 Touch to adjust the volume.
- 10 Touch to use the tools such as settings, Where Am I?, and Help.

Finding Your Destination

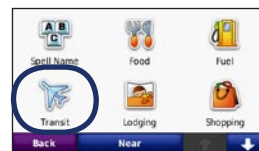
The Where To? menu provides several different categories for you to use when searching for addresses, cities, and other locations. The detailed map loaded in your aera contains millions of points of interest, such as restaurants, hotels, and auto services.



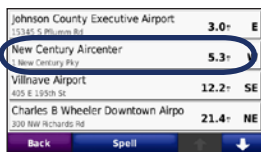
1. Touch **Where To?**.



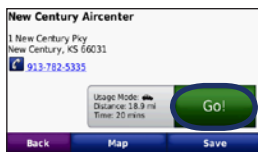
2. Select a category.



3. Select a subcategory.



4. Select a destination.



5. Touch **Go!**.



6. Follow the navigation instructions.

Following Your Route

Your route is marked with a magenta line. As you travel, your aera guides you to your destination with voice prompts, arrows on the map, and directions at the top of the map. On some models, The upper-left corner indicates the distance to your next maneuver and the lane you should be in for the maneuver.

If you depart from the original route, your aera recalculates the route and provides new directions.

A speed limit icon could appear as you travel on major roadways. See [page iv](#).



Adding a Via Point

You can add a stop (Via Point) to your route. The aera gives you directions to the stop and then to your final destination.

1. With a route active, touch **Menu > Where To?**.
2. Search for the extra stop.
3. Touch **Go!**.
4. Touch **Add As a Via Point** to add this stop before your destination.

If you want to add more than one stop to the route, edit the current route. See [page 9](#).

Taking a Detour

If a road on your route is closed, you can take a detour.



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

The aera attempts to get you back on your original route as quickly as possible. If the route you are currently taking is the only reasonable option, the aera might not calculate a detour.

Stopping the Route

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

Adjusting the Volume

From the Menu page, touch **Volume**. Touch  and  to adjust the master volume. Touch **Mute** to mute all audio.

To adjust the volume levels for the voice prompts, the media player, and the phone, touch **Mixer**. Adjust the levels as needed. Touch **Restore** to return the volume settings to the original levels.

To switch the audio between your aera and a Bluetooth audio device, such as Bluetooth headphones, touch **Audio Output**. This feature is only available when your aera is paired with a Bluetooth audio device. See [page 20](#).

TIP: Press and release the power button to quickly access the volume and brightness settings.

Where To?

The Where To? menu provides several different categories you can use to search for locations. To learn how to perform a standard search, see [page 4](#).

Finding an Address

The steps to find an address can vary depending on the maps that are loaded on your aera. Not all map data provides postal code searching.

1. Touch **Where To?** > **Address**.
2. Change the state, country, or province, if necessary.
3. Touch **Spell City**, enter the city/postal code, and touch **Done**. Select the city/postal code in the list. If you are unsure of the city, touch **Search All**.
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. Select the correct city in the list, if necessary.
8. Touch the address, if necessary.

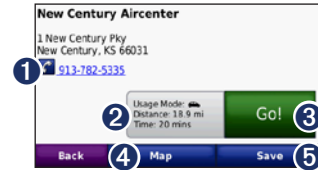
Searching Near Another Location

Your aera automatically searches for places near your current location.

1. Touch **Where To?** > **Near**.
2. Select an option:
 - **Where I Am Now**
 - **A Different City**
 - **My Current Route**
 - **My Destination**
3. Touch **OK**.

Go! Page Options

Touch an item in the search results list to view the Go! page.



- 1 Touch to call this location, if a mobile phone with Bluetooth wireless technology is connected. See [page 13](#).
- 2 Touch to view the route on a map.
- 3 Touch to create a turn-by-turn route to this location.
- 4 Touch to view this location on the map.
- 5 Touch to save this location to your Favorites. See [page 8](#).

Setting a Home Location

You can set a Home location for the place you return to most often.

1. Touch **Where To? > Go Home**.
2. Select an option.

Going Home

After you set your Home location, you can route to it at any time. Touch **Where To? > Go Home**.

Changing Your Home Location

To set a new location as your Home location, use the Tools menu.

1. Touch **Tools > My Data > Set Home Location**.
2. Select an option.

Finding a Place by Spelling the Name



If you know the name of the location you are looking for, you can spell it using the on-screen keyboard. 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 in the name.
3. Touch **Done**.

Using the On-Screen Keyboard

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



- Touch  to add a space.
- Touch  to delete the character.

- Touch  to select words you have recently typed and selected.
- Touch **Lang.** to change the keyboard language mode.
- Touch  to enter special characters.

Finding Recently Found Places

Your area 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.


Clearing 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 area.

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. After you have found a place you want to save, touch **Save** on the Go! page.
2. Touch **OK**. The place is saved in **Favorites**.

Finding Saved Places

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

Editing Saved Places

1. Touch **Where To? > Favorites**.
2. Touch the location you want to edit.
3. Touch **Edit**.
4. Touch an option to edit the location:
 - **Change Name**—enter a new name, and touch **Done**.
 - **Attach Photo**—select a picture to assign to the location. To load pictures on your aera or memory card, see [page 22](#).
 - **Change Map Symbol**—touch a new symbol.
 - **Change Phone Number**—enter a phone number, and touch **Done**.
 - **Change Categories**—create and change the category in which this location is saved.
 - **Delete**—touch **Yes** to remove this item from the Favorites list.

Using Photo Navigation

You can load pictures that include location information onto your aera and then create routes to them.

1. Go to <http://connect.garmin.com/photos> to download pictures with location information.
2. Follow the 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 Extras

For information about extras such as safety camera information and Garmin Travel Guide, see [pages 34–35](#).

Downloading Locations

You can download locations and points of interest to your aera from various online sources.

1. Go to www.garmin.com/communicator to download and install the Garmin Communicator Plugin on your computer.
2. Connect your aera to your computer. See [page 22](#).
3. Find a location on a supported Web site.
4. Follow the instructions on the Web site to send the location to your aera.

Downloaded locations are saved in your Favorites on your aera.

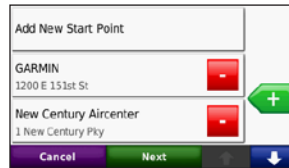
Using Custom Routes



Touch **Where To?** > **Custom Routes**. Select the route you want to take, and touch **Go!**.

Creating a Custom Route

Use your aera to create and save routes before your next trip. You can save up to 10 routes.

1. Touch **Where To?** (or **Tools**) > **Custom Routes** > **New**.
2. Touch **Add New Start Point**.
3. Find a location for your starting point, and touch **Select**.
4. Touch **Add New End Point**.
5. Find a location for your ending point, and touch **Select**.



6. Touch  to add another location to your route. Touch  to remove a location.

7. Touch **Next** to calculate your route and view it on the map.
8. Touch **Save** to save the route and exit.

Editing Custom Routes



1. Touch **Where To?** (or **Tools**) > **Custom Routes**.
2. Select the route you want to edit.
3. Touch **Edit**.
4. Touch an option to edit the route:
 - **Change Name**—enter a new name, and touch **Done**.
 - **Add or Remove Points**—add or remove points from the route.
 - **Manually Reorder Points**—change the order of points along your route.
 - **Optimally Reorder Points**—automatically order the points.
 - **Recalculate**—change the route preference to calculate by faster time, shorter distance, or off road.
 - **Delete**—remove this route.



Your changes are automatically saved when you exit any of the route edit pages.

Finding a Place Using the Map

To find a location on the map, touch **Where To?** > **Browse Map** or touch anywhere on the map.



- Touch and drag to view different parts of the map.
- Touch  and  to zoom in and out.
- Touch anywhere on the map. An arrow points to the location.
- Touch **Save** to save this location.
- Touch **Go!** to navigate to the location.

- If the aera is in simulator mode, touch **Set Loc.** to set your location to the selected location. (See [page 28](#).)
- Touch  to switch between a 3-D (three-dimensional) map and a 2-D (two-dimensional) map.
- Touch  to rotate the viewing angle in 3-D view.
- Zoom far out to view a globe. Touch and spin the globe to quickly find different areas of the world.

NOTE: You can only see detailed map information for areas for which you have maps loaded on your aera.

Entering Coordinates


If you know the geographic coordinates of your destination, you can use your aera to navigate to your destination using the latitude and longitude coordinates (or other coordinate formats). This can be especially helpful when geocaching.

1. Touch **Where To?** > **Coordinates**.
2. Touch **Format** to select the correct coordinate format for the type of map you are using.
3. Touch a direction field to select a new direction.
4. Touch a numeric field to enter the coordinates, and touch **Done**.

Using the Main Pages

Map Page

Touch **View Map** to view the Map page.

- The  vehicle icon shows your current location.
- Touch anywhere on the map to select an overhead view.
- Touch and drag the map to view a different area of the map. See [page 10](#).
- A speed limit icon could appear as you travel on major roadways. See [page iv](#).



- 1 Touch to view the Next Turn page or the Lane Assist page (if available).
- 2 Touch to view the Turn List page.

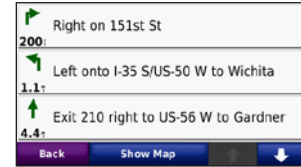
- 3 Touch to zoom in and out.
- 4 Touch to view the Where Am I? page.
- 5 Touch to view the Trip Computer.
- 6 Touch to return to the Menu page.
- 7 Touch to customize this data field.

Changing the Data Field

You can display different information when you are driving and routing.

1. While navigating a route, touch the data field in the lower right corner of the Map page.
2. Select the data you want to appear.
3. Repeat steps 1 and 2 while not navigating a route.

Turn List Page



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

1. Touch the text bar on the top of the Map page to view the Turn List page.
2. Select an option:
 - Touch a turn on the list to view the Next Turn page for that turn.
 - Touch **Show Map** to view the entire route on the map.

Using Hands-free Calling

Using Bluetooth technology, your aera can connect to your mobile phone to become a hands-free device.

To determine whether your device with Bluetooth technology is compatible with the aera, go to www.garmin.com/bluetooth.

Pairing Your Devices

Bluetooth wireless technology establishes a wireless link between devices, such as a mobile phone and the aera. The first time you use two devices together, you must “pair” them by establishing a relationship using a PIN/passkey. After the initial pairing, the two devices can connect automatically each time you turn them on.

To pair and connect, your device and the aera must be turned on and be within 33 feet (10 meters) of each other. The aera can be connected to a phone and a headset at the same time.

When you turn on the aera, it tries to connect to the last device to which it was connected. You might have to set your device to connect to the aera automatically when it is turned on.

When your phone is connected to your aera, you are ready to make phone calls. From the Menu page, touch **Phone** to access the Phone menu.

Pairing Your Device Using the Device

1. From the Menu page, touch **Tools > Settings > Bluetooth > Enabled**.
2. Enable the Bluetooth component on your phone. This might be in a menu called Settings, Bluetooth, Connections, or Hands-free.
3. Initiate a search for Bluetooth devices.
4. Select the aera from the list of devices.
5. Enter **1234** into your phone.

Pairing Your Device Using the aera

1. Enable the Bluetooth component on your device. Enable Find Me/Discoverable/Visible mode. These settings might be in a Bluetooth, Connections, or Hands-free menu.
2. Touch **Tools > Settings > Bluetooth**.
3. Touch the button under **Bluetooth**.
4. Select **Enabled**, and touch **OK**.
5. Touch the button under **Phone**.
6. Select your phone, and touch **OK**.
7. Enter the aera Bluetooth PIN (**1234**) in your phone.

Receiving a Call

When you receive a call, the Incoming Call window appears. Touch **Answer** to answer the call. Touch **Ignore** to ignore the call and silence the ring.

The internal microphone is in the front of the aera.

In a Call

To end a call, touch  > **End Call**. Touch  **Call Options** for the following options:

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

Using the Phone Menu

From the Menu page, touch **Phone** to view the Phone menu. Touch **Status** to view the signal strength, the battery level, and the name of the connected phone.


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

Using Your Phone Book

Each time your mobile phone connects with the aera, the phone book is automatically loaded into the aera. It may take a few minutes for the phone book to be available.

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

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 aera, your call history is automatically transferred to the aera. It may take a few minutes to transfer this data to the aera.

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

Calling Home

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

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

Placing Calls Using Voice Dial

You can place calls by speaking the contact name.

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

NOTE: You may need to “train” your mobile phone to recognize your voice dial commands. Refer to the instructions for your phone.

Receiving XM Signals

See [page iv](#) for a list of which models are XM compatible. Some features, such as XM WX™ Weather and XM Radio, require XM satellite signals. You must have purchased and activated an XM subscription, and your aera must be connected to a GXM 40 antenna to receive XM satellite signals.

The service is activated by providing XM Radio with a coded ID (Radio ID). The Radio ID can be found on the underside of your GXM 40 antenna. Refer to the *GXM 40 Owner's Manual* for more information on activating XM Radio.

NOTE: XM is only available in North America.

1. Place your aera in the automotive mount or the aviation mount.
2. Plug the GXM 40 antenna into the mini-USB port on the back of the cradle.
3. Place the GXM 40 antenna within clear view of the sky.

Checking XM Signal Strength

1. With the GXM 40 antenna connected to your aera, touch **Tools > Media Player**.
2. Touch **Source** until the XM Radio player appears. The signal-strength bars are in the upper-right corner of the screen.



Listening to XM Radio


If your aera came with a GXM 40 antenna, you can listen to XM Radio. You must have purchased and activated an XM subscription, and your aera must be connected to a GXM 40 antenna and be receiving XM satellite signals to receive XM radio. See [page iv](#) for a list of which models are XM compatible.


NOTE: XM is only available in North America.

1. Touch **Tools > Media Player**.
2. Touch **Source** to select the XM Radio player.

3. Select an option to listen to XM radio:

- Touch  and  to select a station.
- Touch **Browse** to browse available stations by category.

NOTE: After you select a station by category, only stations in the same category will be available when you touch  and . To view all stations, touch **Browse > All**.

- Touch **1 2 3** to enter a station number.
- Touch  to adjust the volume of the XM Radio player.
- Touch **Save > OK** to save a station as a preset.
- Touch **Browse > Presets** to view the stations you have saved as presets.
- To remove a preset, select the station you want to remove, and touch **Delete > Yes**.

Weather

If your aera came with a GXM 40 antenna, you can access XM WX weather information. You must have purchased and activated an XM subscription, and your aera must be connected to a GXM 40 antenna and be receiving XM satellite signals to receive weather information. XM is not available on all aera models. See [page iv](#) for a list of which models are XM compatible.

NOTE: XM is only available in North America.

Touch **Tools** > **Weather**. The weather forecast for your current location appears.



Map—view current weather conditions on the map.

Other City—view weather information for another location. A list of cities appears in ascending order by distance.

3-Day—view an extended forecast for your current location.

Viewing Weather on the Map

Touch **Tools** > **Weather** > **Map**.

Options—select the type of weather conditions to show on the map.

- **NEXRAD Radar**—(NEXt Generation Weather **RA**Dar) shows precipitation from very light rain and snow to strong thunderstorms.
- **Satellite Mosaic**—shows cloud cover but not precipitation.
- **Storm Cells**—shows current storm cells and their projected paths.
- **Lightning**—shows recent lightning strikes.

Animate—provides a brief animation of current weather patterns.

Using FM TMC Traffic

Some aera models can receive FM TMC (Traffic Message Channel) traffic depending upon the traffic receiver connected to your aera. See [page iv](#).

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

The FM TMC traffic receiver is an optional accessory. FM TMC traffic receivers receive traffic information that is broadcast over the FM Radio Data System.

The FM TMC subscription activates automatically after your Garmin GPS device acquires satellite signals while receiving traffic signals from the service provider. You can add other FM TMC subscriptions at any time. Check the Garmin Web site at www.garmin.com/fmtraffic for other available services.

Receiving Traffic Information

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

- The traffic receiver must be connected to the aera.
- The traffic receiver and the aera must be connected to an external power source.
- The traffic receiver and the aera must be in data range of an FM station transmitting traffic information.

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

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 on the road you are currently traveling.

Severity Color Code

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

Traffic on Your Route

When calculating your route, the aera 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 aera automatically recalculates the route. You might still be routed through traffic if no better alternative routes exist.

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

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. Touch an item in the list to view the delay on a map and details about the delay. If there is more than one delay, touch the arrows to view the additional delays.

Viewing Offers

If you use a lifetime traffic receiver in North America, you will receive offers and coupons. Touch the advertisement on the screen to search for the nearest location related to that advertisement.



CAUTION: Do not attempt to write down the coupon codes while driving.

To stop receiving offers, turn off the traffic feature. See [page 31](#).

Using the Media Players

Using a Wireless Headset

To listen to high-quality audio, you can connect an Advanced Audio Distribution Profile (A2DP) Bluetooth headset. For more information about Bluetooth technology, see [page 13](#).

To pair and connect, your device and the aera must be turned on and be within 33 feet (10 meters) of each other.

Pairing Your Headset



1. Touch **Tools** > **Settings** > **Bluetooth**.
2. Under Audio, touch **Add**.
3. Turn on your headset, and enable Find Me/Discoverable/Visible mode, if necessary.
4. Touch **OK** on the aera.
5. Select your headset, and touch **OK**.
6. Enter the Bluetooth PIN/passkey for your headset, if necessary, and touch **Done**.
7. Touch **OK**.

Playing Music





Load music files to the internal memory or memory card. See [page 22](#).

1. Touch **Tools** > **Media Player**.
2. Touch **Source** to view the MP3 player.
3. Touch **Browse**.
4. Touch a category and a subcategory, if necessary.
5. To play the entire category from the beginning of the list, touch **Play All**. To play a specific song, touch the title.



- Touch the playlist to add songs, remove songs, and skip to another song in the playlist.
- Touch  to adjust the volume.
- Touch  to play the current song from the beginning; touch again to play the

previous song on the playlist. Touch and hold to rewind through the current song.

- Touch  to skip to the next song. Touch and hold to fast-forward through the current song.
- Touch  to pause the song.
- Touch  to repeat the current playlist.
- Touch  to shuffle the playlist.
- Touch the album art to view details about the song or to remove this song from the playlist.

Supported File Types

The aera supports MP3 music files, and M3U and M3U8 playlist files.

Creating and Listening to Playlists

Using your aera, you can listen to playlists created on your computer. You can also save playlists using your aera.

To save your current playlist:

1. While listening to music, in the music player, touch **Browse** > **Playlist** > **Save Current Playlist**.
2. Enter a name, and touch **Done**.

To create a new playlist:

1. In the music player, touch **Browse** > **Playlist** > **Create New Playlist**.
2. Select songs.
3. Touch **Back** when you have finished adding songs to your playlist.

To create a playlist on a computer:

1. Using your computer and an audio program, create a playlist of music files. Save the playlist as an M3U or M3U8 file.
2. If necessary, use a text editor application to remove the path to the file names in the M3U file. The M3U file should only list the music file names. Refer to the audio program Help file.
3. Transfer the playlist and the music files to the aera (see [page 22](#)). The M3U file must be in the same location as the music files.

To play a playlist:

1. In the music player, touch **Browse** > **Playlist** > **Open Saved Playlist**. All available playlists appear.
2. Touch a playlist to start playing the music files.

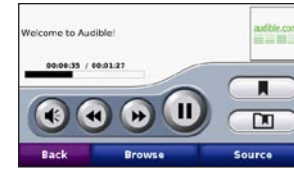
To edit the current playlist:

1. While listening to music, in the music player, touch the playlist.
2. Edit the playlist:
 - Touch **Add** to add a song to the end of the playlist.
 - Touch a song, and then touch **Remove** to remove it from the playlist.

Listening to Audible Books

To purchase books from Audible.com®, go to <http://garmin.audible.com>.

1. Touch **Tools** > **Media Player**.
2. Touch **Source** to view the audible book player.
3. Touch **Browse**.
4. Touch a category, and then touch a book title.



Book cover art

- Touch to adjust the volume.
- Touch to skip a section and to jump back. Touch and hold to move forward or backward.
- Touch to pause the book.
- Touch the book cover art to view more-detailed information.

Using Bookmarks

To create a bookmark, touch and **Bookmark**. To view your bookmarks, touch , and then touch a bookmark. Touch **Play** to listen to the book from the bookmark.

Managing Files

You can store files, such as MP3s and JPEG image files, in the aera internal memory or on an optional memory card.

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

Supported File Types

- MP3 music files
- M3U and M3U8 music playlist files
- AA audio book files
- JPEG and JPG image files
- GPX route files
- GPI custom POI files from the POI Loader application
- Maps, routes, trip logs, and waypoints from MapSource®

Connecting Your aera to Your Computer



1. Insert a memory card into the memory card slot in the battery compartment (optional). Press it in until it clicks.
2. Connect the USB cable to the connector under the battery cover.
3. Connect the larger end of the USB cable to a USB port on your computer.

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

NOTE: If you have several network drives mapped on your computer, Windows may have trouble assigning drive letters to your aera drives. See the operating system Help file to learn how to map and assign drive letters.

Transferring Files

1. Browse your computer for the file you want to copy.

2. Highlight the file, and select **Edit > Copy**.
3. Open the “Garmin” or memory card drive/volume.
4. Select **Edit > Paste**. The file appears in the list of files in the aera 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 can on Mac computers.
6. Unplug your aera from your computer.

Deleting Files

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



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

Using the Tools

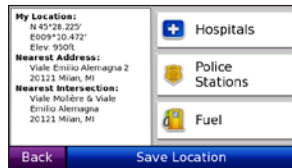
The Tools menu provides many features that are helpful when you are traveling across town or across the globe.

Settings

For information about the settings, see [pages 28–32](#).

Where Am I?

Touch **Tools** > **Where Am I?** to view information about your current location. This is a helpful feature if you need to tell emergency personnel your location. Touch a button on the right to view the nearest locations in that category. Touch **Save Location** to save your current location.



Help

Touch **Tools** > **Help** to get information about using your aera. Touch a category to view information about a topic. To search the topics for a keyword, touch **Search**.

Media Player

For information about the media player, see [pages 20–21](#).

ecoRoute™

The ecoRoute feature calculates your vehicle's 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; they are not actually read from your vehicle. To receive more-accurate fuel reports for your specific vehicle and driving habits, calibrate the fuel economy.

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

View the Fuel Report

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

To view the fuel report, touch **Tools** > **ecoRoute** > **Fuel Report**. The fuel consumption data is based on estimates for speed and acceleration for an average vehicle.

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

Touch **Reset** to reset the data.

Calibrate 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**.

Adjust Fuel Price

Touch **Tools > ecoRoute > Fuel Price** and enter the current fuel price. This information is used to calculate the fuel cost of routes and to calculate the fuel reports.

Take the Driving Challenge

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


To take a Driving Challenge, touch **Tools > ecoRoute > Driving Challenge**, then touch **Start**.

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.

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

When viewing the details, touch **Stop > OK** to stop the current challenge.

To reset your best scores, touch **Reset**.

Adjust Your Vehicle Profile

You will create a vehicle profile the first time you touch **Tools > ecoRoute**. To adjust the vehicle profile, touch **Tools > ecoRoute > Vehicle Profile**.

City Fuel Economy—enter the average city fuel economy for your vehicle.

Highway Fuel Economy—enter the average highway fuel economy for your vehicle.

TIP: For best results, calibrate your fuel economy instead of adjusting the city and highway fuel economy here.

Fuel Type—select a fuel type.

To reset your vehicle profile data, touch **Reset**.

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

To access a mileage report, touch **Tools** > **ecoRoute** > **Mileage Report**, and select a report. Up to 20 mileage reports are saved on your aera. You can also access mileage reports in the Reports folder on your aera drive/volume. To reset the data, touch **Reset**.

View Driving Tips

Your aera provides driving tips to help you save fuel. Touch **Tools** > **ecoRoute** > **Tips**.

Picture Viewer

View pictures that you have stored in your aera.

1. Touch **Tools** > **Picture Viewer**.
2. Touch a picture to view a larger image of it. Touch **Info** to view file information.
3. Touch **Back**.
4. Touch the arrows to view all the images.

Viewing a Slide Show

1. Touch **Tools** > **Picture Viewer** > **Slide Show** to start a slide show.
2. Touch anywhere on the screen to pause the slide show and to see a list of options:
 - Touch **Stop** to stop the slide show.
 - Touch **Resume** to restart the slide show.
 - Touch **+** and **-** to zoom in and out.

Custom Routes

For information about routes, see [page 9](#).

My Data

Touch **Tools** > **My Data** to manage and delete your saved data, such as your Favorites.

If you have transferred a route from MapSource, touch **Import Route from File** to use the route in your aera.

World Clock

Touch **Tools** > **World Clock** to view the current time for different cities around the world. Touch **World Map** to view a map. Nighttime hours are shown in the shaded area.


Changing Cities

1. Touch **Tools** > **World Clock**.
2. Touch the city you want to change.
3. Enter the new city, and touch **Done**.
4. Touch the new city in the list, and touch **Save**.

Language Guide

The Garmin Language Guide puts data from Oxford's multilingual resources and five bilingual dictionaries in the palm of your hand. To purchase an accessory, go to <http://buy.garmin.com>, or contact your Garmin dealer.

Words and Phrases


1. Touch **Tools** > **Language Guide** > **Words and Phrases**.
2. Touch **Language**, select the **From** and **To** languages, and touch **Back**.
3. Select a category, and search for a phrase.
4. Touch **Search** to spell the word or phrase, if necessary. Touch a phrase to view the translation.
5. Touch  to hear the translation.

Words and Phrases Tips

- Use **Search for keyword in phrases** to find all of the phrases that contain a specific word.
- Touch an underlined word to use a different word.
- Touch **More Variations** to change words in the phrase or to get a different translation.

Bilingual Dictionaries

The Garmin Language Guide provides five bilingual dictionaries.

1. Touch **Tools** > **Language Guide**.
2. Touch **Bilingual Dictionaries**.
3. Touch a translation option. If necessary, touch **To English**.
4. Search for the word, and touch it.
5. Touch  to hear the translation.

Bilingual Tips

- Touch **Search** to spell the word or the beginning of the word.
- Touch **Legend** to view information on abbreviations, labels, and pronunciation symbols for the selected language.

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Dictionary © Oxford University Press and Hachette Livre 2005. Pocket Oxford-Duden German Dictionary © Oxford University Press and Bibliographisches Institut & F.A. Brockhaus 2003.

Calculator


1. Touch **Tools** > **Calculator**.
2. Enter the first number of your calculation.
3. Touch an operator (**÷**, **×**, **-**, or **+**).
4. Enter the second number of your calculation.
5. Touch **=**.
6. Touch **C** to perform a new calculation.

Unit Converter

1. Touch **Tools** > **Unit Converter**.
2. Touch **Conversion**, select a unit to convert, and touch **OK**.
3. Touch the unit of measure that you want to change from.
4. Select a unit of measure, and touch **OK**. Repeat if necessary.
5. Touch a blank rectangle.
6. Enter a value, and touch **Done** to convert the unit.
7. Touch **Clear** to enter another value.

Update Conversion Rates

The aera allows you to update the currency conversion rates manually so that you are always using the most-current rates.

1. Touch **Tools** > **Unit Converter** > **Conversion** > **Currency** > **OK** > **Update**.
2. Touch the rate you want to update.
3. Touch  to erase the current rate. Enter a new rate, and touch **Done**.
4. Touch **Save** to finish.

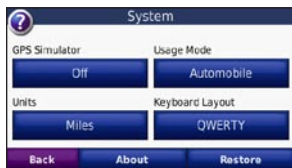
Touch **Restore** to use the original rate.

Customizing the aera

1. Touch **Tools > Settings**.
2. Touch the setting you want to change.



3. Touch the button below the setting name to change it.



Changing the System Settings

Touch **Tools > Settings > System**.

GPS Simulator—enable the simulator to turn off the GPS mode and simulate navigation. This also saves battery power.

Usage Mode—within automotive mode, specify your navigation method: **Automobile**, **Bicycle**, or **Pedestrian**. This setting does not apply to the dual boot functionality. See [page 3](#) to switch to aviation mode.

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

Keyboard Layout—select a preference for your keyboard layout:

- **QWERTY**—a layout similar to a computer keyboard
- **ABCDE**—an alphabetical layout

About—display the software version number, the unit ID number, and the audio version number for your aera. You need this information when you update the system software or purchase additional maps.

Restore—restore the original 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.
- **Less Fuel**—to calculate routes that use less fuel than the other routes.

- **Off Road**—to calculate point-to-point routes (without roads).


Avoidances—select the road types that you want to avoid or that you would prefer to take on your routes.

Restore—restore the original navigation settings.

Adjusting the Display Settings

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

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

Screenshot—enable screenshot mode. Touch  to take a screenshot. The picture bitmap file is saved in the **Garmin\Screenshot** folder on the aera drive.

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

Touchscreen—follow on-screen instructions to calibrate the touchscreen.

Restore—restore the original display settings.

Updating the Time Settings

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

Time Format—select 12-hour, 24-hour, or UTC time format.

Current Time—select **Automatic** to update the time automatically. When **Automatic** is not selected, you can adjust the time in 15-minute increments.

Restore—restore the original time settings.

Setting the Languages

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

Voice—change the language for voice prompts.

Text—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. You can also change the keyboard language from any keyboard by touching the **Lang** button.

Restore—restore the original languages.

Changing the Map Settings

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

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

Map View—select a map perspective.

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

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.garminarage.com.

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

Map Info—view the maps loaded on your aera and their versions. Touch a map to enable (check mark) or disable (no check mark) that map.

Restore—restore the original map settings.

Changing Weather Settings

Weather information is only available when you have an XM subscription and the GXM 40 antenna is attached. See [page 16](#).

Touch **Tools** > **Weather**.

Weather On Map—show or hide weather conditions on the Map page.

Restore—restore the original weather settings.

NOTE: An XM signal is required to view weather information on the map. See [page 16](#) for more information.

NOTE: Weather information does not appear when the map view is set to 3-D.

Adding Security

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

Garmin Lock—turn on Garmin Lock™ to lock your aera. Enter a 4-digit PIN, and set a security location. For more information, see [page 33](#).

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. Restoring the security settings does not clear your Garmin Lock PIN or security location.

Viewing FM TMC Traffic Subscription Information

NOTE: Some aera models can receive FM TMC (Traffic Message Channel) traffic.

If your aera is traffic compatible, you can only access the traffic settings if your aera is connected to external power and an FM TMC traffic receiver.

Touch **Tools** > **Settings** > **Traffic**. The traffic settings vary based on the location you selected as your locale in the initial setup.

Enable Traffic—turn traffic on and off.

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

Find More—search for additional TMC traffic providers. If you are in a new area, touch **Yes** to clear the provider table.

Subscriptions—view your FM traffic subscriptions and expiration dates (these are listed on the main traffic settings page for North American devices).

Add (or **Subscriptions** > **Add**)—add a new subscription to a traffic service. Go to www.garmin.com/fmtraffic to purchase a subscription.


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.

Changing Bluetooth Technology Settings

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

Phone—select **Add** to pair with a device that has Bluetooth wireless technology. The aera PIN code (or passkey) is **1234**.

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

Bluetooth—enable and disable the Bluetooth component. The  **Bluetooth** icon appears on the Menu page if the Bluetooth component is enabled. To prevent a device from automatically connecting, select **Disabled**.

Audio—select to listen to high-quality audio wirelessly with a Bluetooth headset. See [page 13](#) and [page 20](#).


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, a safety camera database, or a TourGuide® file) loaded to adjust the proximity point settings. See [pages 34–35](#).

Touch **Tools** > **Settings** > **Proximity Points**.

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

TourGuide—set how you want the audio for TourGuide to be activated. Select **Auto Play** to hear the complete tour as programmed, **Prompted** to show the  speaker icon on the map when tour information is available during your route, or **Off**.

Restore—restore the original proximity points settings.

Restoring All Settings

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

Clearing User Data



NOTICE: This deletes all user-entered information. This does not clear Garmin Lock data ([page 33](#)).

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

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

Appendix

Resetting the aera

If the aera stops functioning, turn off the aera, and then turn on the aera.

You can also remove and then reinstall the battery to reset the aera.

Calibrating the Screen

If the touchscreen is not responding properly, calibrate the touchscreen.

1. Touch **Tools > Settings > Display**.
2. Under Touchscreen, touch **Calibrate**.
3. Follow the on-screen instructions.

Locking Your aera

Garmin Lock is a theft-deterrent system that locks your aera. Each time you turn on the aera, 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?

Select a location you return to often, such as your home, for your security location. If the aera has satellite signals and you are at the security location, you do not need to enter the PIN.

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

nüMaps Guarantee™

To receive one free map update (if available), register your aera at <http://my.garmin.com> within 60 days of acquiring satellites and navigating with your aera. 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 navigate with your aera.

NOTE: The nüMaps Guarantee only applies to the automotive maps loaded on your aera. For more information on aviation databases, go to <http://fly.garmin.com>.

Additional Maps

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

Updating the Software

1. Go to www.garmin.com/products/webupdater, and download WebUpdater to your computer.
2. Connect the aera to your computer using the mini-USB cable.
3. Run WebUpdater, and follow the on-screen instructions.

After confirming that you want to perform an update, WebUpdater automatically downloads the update and installs it on your aera.

Extras and Optional Accessories

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

Safety Cameras

Safety camera information is available in some locations. Check <http://my.garmin.com> for availability. For these locations, the aera includes the locations of hundreds of safety cameras. Your aera 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 a specific expiration date.



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

Custom Points of Interest

Use the POI Loader to load custom points of interest (POIs) onto your aera. 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, 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 view 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 aera, connect your aera to your computer. Open the **Garmin\poi** folder in the aera drive or the memory card drive. Delete the file entitled **poi.gpi**.

TourGuide

The TourGuide allows your aera to play third-party, GPS-guided audio tours. These audio tours can take you on a route while playing interesting facts about historical sites along the way. For more information, go to www.garmin.com/extras, and click **POI Loader**.

To view your TourGuide files, touch **Where To? > Extras > Custom POIs**. To change the TourGuide settings, touch **Tools > Settings > Proximity Points > TourGuide**.


Garmin Travel Guide

Much like a paper 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 aera. Touch **Where To? > Extras**. Touch the name of your Travel Guide to view it.

Battery Information

Your aera contains a user-replaceable, lithium-ion battery. To maximize the lifetime of the battery, do not leave your aera in direct sunlight, and avoid prolonged exposure to excessive heat.

The  battery icon in the corner of the Menu page indicates the status of the aera battery. To increase the accuracy of the battery gauge, fully discharge the battery and fully charge it. Do not unplug the aera until it is totally charged.

Maximizing the Battery Life

- Turn down the backlight (**Tools > Settings > Display > Brightness**).
- Disable Bluetooth. See [page 31](#).
- Unplug the XM antenna. See [page 16](#).
- Do not leave your aera in direct sunlight. Avoid prolonged exposure to excessive heat.

Replacing the Battery in the aera

If you need to replace the battery in the aera, use a Garmin lithium-ion battery 010-11143-00. Purchase a replacement battery at <http://buy.garmin.com>. Contact your local waste disposal department for information about properly disposing of the battery.

Changing the Fuse



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

1. Unscrew the round end piece, and remove it.
2. Remove the fuse (glass and silver cylinder), and replace with a 3A fast-blow fuse.
3. Ensure that the silver tip is placed in the end piece. Screw on the end piece.



About GPS Satellite Signals

Your aera must acquire GPS (Global Positioning System) satellite signals to navigate. If you are indoors, near tall buildings or trees, or in a parking garage, your aera cannot acquire satellites. Go outside to an area free from tall obstructions to use your aera.

When your aera has acquired satellite signals, the signal strength bars on the Menu page are green . When it loses satellite signals, the bars turn red or clear .

For more information about GPS, go to www.garmin.com/aboutGPS.

Removing the aera and Mount

To remove the aera from the cradle, press the button on the side of the cradle, and tilt the aera forward.

To remove the cradle from the friction mount, turn the cradle to the right or the left. Apply pressure until the socket on the cradle releases the ball on the mount.

NOTE: Reconnecting the cradle to the friction mount requires significant force. Press the ball firmly into the socket.

Caring for Your aera

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

Cleaning the Casing

The aera is constructed of high-quality materials and does not require user maintenance other than cleaning. Clean the outer casing (not the touchscreen) using a cloth dampened with a mild detergent solution, and then wipe 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 aera

- Do not store the aera where prolonged exposure to extreme temperatures can occur, because it can cause permanent damage.
- Though 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, or damage may result.

Avoiding Theft

- To avoid theft, remove the unit and mount from sight when not in use.
- Do not keep your unit in the glove compartment.
- Register your product at <http://my.garmin.com>.
- Use the Garmin Lock feature. See [page 33](#).

Registering Your aera

Go to <http://my.garmin.com> to register your aera. See [page 22](#) for information about connecting your aera to your computer.

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

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

Software License Agreement

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

Garmin Ltd. and its subsidiaries (“Garmin”) grant 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 and/or its third-party providers.

You acknowledge that the Software is the property of Garmin and/or its third-party providers 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, for which source

code is not provided, are valuable trade secrets of Garmin and/or its third-party providers and that the Software in source code form remains a valuable trade secret of Garmin and/or its third-party providers. 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 or the export control laws of any other applicable country.

Specifications

Physical size (W × H × D): 5.35 × 3.28 × 0.94 in. (136 × 83.4 × 24 mm)

Weight: 9.5 oz. (270 g)

Display: 4.3 in. diagonal, 480 × 272 pixels; WQVGA TFT landscape display with white backlight and touchscreen

Case: Waterproof to IPX7

Operating Temperature range: from -4°F to 140°F (from -20°C to 60°C)

Charging Temperature range: from 32°F to 113°F (from 0°C to 45°C)

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

Computer interface: USB mass storage, plug-and-play

Headphone jack: Standard 3.5 mm

Charge time: Approximately 4 hours

Power input: DC vehicle power using the included automotive power cable and cradle, or AC power (included in some aera packages)

Usage: 10 W max.

Battery life: up to 5 hours depending on usage and settings

Battery type: Removable lithium-ion battery

GPS receiver: High-sensitivity

Acquisition times*:

Warm: <5 sec.

Cold: <38 sec.

Factory Reset: <45 sec.

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

Troubleshooting

Problem/Question	Solution/Answer
My aera never gets satellite signals.	Take your aera out of parking garages and away from tall buildings and trees. Remain stationary for several minutes.
My aera does not charge in my vehicle.	Check the fuse in the vehicle power cable. Ensure the vehicle is turned on and is supplying power to the power outlet. Your aera can only charge between 32°F and 113°F (between 0°C and 45°C). If the aera is placed in direct sunlight or in a hot environment, it cannot charge.
How do I clear all my user data?	<ol style="list-style-type: none"> 1. Hold your finger on the lower-right corner of the aera screen while it is turning on. 2. Keep your finger pressed until the message appears. 3. Touch Yes to clear all user data.
The aera is locked up/frozen.	If the aera screen stops functioning, turn off the aera, and then turn on the aera. If this does not help, remove the battery and then reinstall the battery. The aera should operate normally.
The touchscreen is not responding to my touches properly.	<ol style="list-style-type: none"> 1. Turn off the aera. 2. Hold your finger on the screen and then press and hold the Power button. 3. Hold until the calibration screen appears. 4. Follow the on-screen instructions.
My battery gauge does not seem accurate.	Allow the unit to fully discharge, and then fully charge it (without interrupting the charge cycle).
My phone will not connect to the aera.	Touch Tools > Settings > Bluetooth . Verify that the Bluetooth field is set to Enabled . Ensure your phone is turned on and is less than 33 feet (about 10 meters) away from your aera. Go to www.garmin.com/bluetooth for more help.
How do I know my aera is in USB mass storage mode?	When your aera is in USB mass storage mode, a picture of an aera connected to a computer is shown. Also, you should see two new removable disk drives listed in My Computer .

Problem/Question	Solution/Answer
My computer never senses that the aera is connected.	<ol style="list-style-type: none"> 1. Unplug the USB cable from your computer. 2. Turn the aera off. 3. Plug the USB cable into your computer and your aera. The aera automatically turns on and goes into USB mass storage mode.
I cannot see any new removable drives in my list of drives.	If you have several network drives mapped on your computer, Windows may have trouble assigning drive letters to your aera drives. See the operating system Help file to learn how to map/assign drive letters.
I cannot get traffic information.	<p>Verify that your aera is traffic compatible and that you are in a coverage area. You must be in a coverage area to get the traffic information for that area.</p> <p>If your aera is traffic compatible, verify that the FM TMC Traffic receiver is connected to the power connector on the cradle and also connected to a power outlet in your vehicle.</p>
How can I find restaurants near the hotel I will be staying at in the future?	<ol style="list-style-type: none"> 1. Touch Where To? > Near > A Different City and enter your vacation destination. 2. Find the hotel and touch Go! 3. Touch Menu > Where To? > Near > My Destination. 4. Search for a restaurant. Restaurants nearest to your hotel are listed first.

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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.**



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