

GARMIN®

Owner's Manual

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This product is ANT+® certified. Go to www.thisisant.com/directory for a list of compatible products and apps.

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Introduction

⚠ WARNING

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

Getting Started

- 1 Install the batteries ([Installing AA Batteries, page 2](#)).
- 2 Turn on the device and select your language ([Device Overview, page 1](#)).
- 3 Pair your phone with the Garmin Explore™ app ([Pairing Your Phone, page 3](#)).
The app allows you to receive notifications, view weather forecasts, search for live geocache data, and more.
- 4 Go outdoors to an open area and wait while the device locates satellites.
When the device acquires satellite signals, it automatically starts tracking your path and recording it as an activity.
- 5 Navigate to a destination ([Navigating to a Destination, page 4](#)).

Device Overview

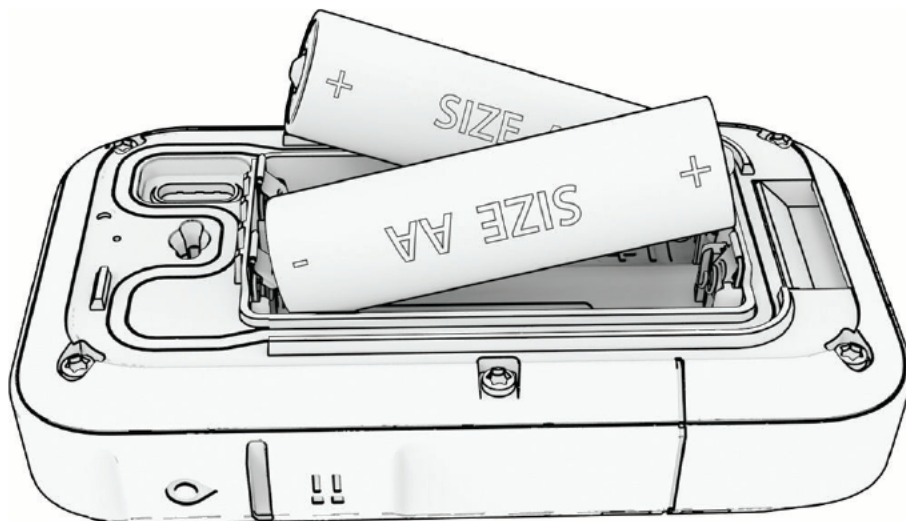


①	Hold to turn the device on. Hold to open the power menu. Press to turn the backlight on or off.
② ▲	Press to scroll through menus, options, and settings.
③ ▼	Press to scroll through menus, options, and settings.
④ OK 📍	Press to choose an option or open the menu for a page. Hold to save your current location as a waypoint.
⑤ ↶ ⋮	Press to return to the previous page. Hold to view the glance loop.
⑥	Battery cover D-ring.
⑦	USB port (under battery door).
⑧	Mounting spine.

Installing AA Batteries

The handheld device operates on two AA batteries (not included).

- 1 Turn the D-ring counter-clockwise, and pull up to remove the cover.
- 2 Insert two AA batteries, observing polarity.



- 3 Replace the battery cover, and turn the D-ring clockwise.

Selecting the Battery Type

- 1 From the home page, press ▲ or ▼ to scroll through the apps on the device.
- 2 Select **Settings** > **System** > **Battery Type**.
- 3 Select an option.

Turning On the Device

Hold .

Turning On the Backlight

Press any button to turn on the backlight.

The backlight turns on automatically when alerts and messages are displayed.

Power Menu

Hold  to open the power menu.

Power Off: Turns off the device.

Backlight: Adjusts the brightness of the screen.

Mark Waypoint: Saves your current location as a waypoint.

Expedition Mode: Turns on expedition mode.

Lock Buttons: Locks the device buttons to prevent inadvertent button presses.

Locking and Unlocking the Buttons

You can lock the buttons to prevent inadvertent button presses.

- 1 Hold  to open the power menu.
- 2 Select **Lock Buttons**.
- 3 Hold  to unlock the buttons.

Pairing Your Phone

To use the connected features of your device, you should pair it with the Garmin Explore app.

- 1 Bring your compatible phone within 10 m (33 ft.) of your device.
- 2 From the home page on your device, select **Settings** > **Pair Phone**.
- 3 From the app store on your phone, install and open the Garmin Explore app.
- 4 From the app, select the **Devices** option, and follow the on-screen instructions to pair your device.

After the device and phone are paired, they connect automatically when they are turned on and within range.

Acquiring Satellite Signals

It may take 30 to 60 seconds to acquire satellite signals.

- 1 Go outdoors to an open area.
- 2 If necessary, turn on the device.
- 3 Wait while the device searches for satellites.
 flashes while the device determines your GNSS location.
 in the status bar shows the satellite signal strength.

When the device acquires satellite signals, it automatically starts recording your path as an activity.

Glances

Your device comes preloaded with glances that provide quick information. Some glances require a Bluetooth® connection to a compatible phone.

Hold  to view the glance loop.

Geocaching: Displays the nearest downloaded geocache. While navigating, this glance displays the geocache you are navigating to.

Weather: Displays the current temperature and weather forecast.

Sunrise/Sunset: Displays sunrise, sunset, and civil twilight times.

Notifications: Alerts you to incoming calls, texts, social network updates, and more from your paired phone (*Pairing Your Phone*, page 3).

Moon Phase: Displays the moonrise and moonset times, along with the moon phase, based on your GPS position.

Tracking Pages

From the home page, select **Tracking**, and select ▲ or ▼ to scroll through the pages. You can press **OK** to open the options menu for each page.

Map page: Shows your position and heading on the map.

As you travel, the position icon moves and leaves a track log (trail). Waypoint names and symbols appear on the map. The device automatically rotates the map as you move so that waypoints always appear above your position.

Compass page: Guides you to your destination by displaying a compass and bearing pointer.

Trip computer: Displays helpful statistics such as your current speed, trip odometer, and elevation. You can customize the data fields displayed.

Navigation page: This page appears while navigating. It displays the name of the location, the distance to the final destination, the speed of travel, and a direction arrow. You can follow the arrow to navigate.

Navigating to a Destination

- 1 From the home page, press ▲ or ▼ to scroll through the apps on the device.
- 2 Select **Tracking**.
- 3 Press **OK** to open the options menu.
- 4 Select **Navigate**.
- 5 Select a category.
- 6 Select a destination.
- 7 Press **OK** to open the options menu.
- 8 Select **Go**.

A navigation page is added to the tracking page loop. You can navigate using the navigation page, map, or compass.

Stopping Navigation

- 1 From the home page, press ▲ or ▼ to scroll through the apps on the device.
- 2 Select **Tracking**.
- 3 Press **OK** to open the options menu.
- 4 Select **Stop Navigation**.

Saved Data

From the home page, select **Saved**.

Waypoints: Waypoints are locations you record and store in the device. Waypoints can mark where you are, where you are going, or where you have been.

Courses: A course is a sequence of waypoints or locations that leads you to your final destination.

Activities: Your device records your path as an activity.

Collections: You can use the Garmin Explore app to group related waypoints, courses, or activities into collections. You can show or hide the data in each collection on the device.

Waypoints

Navigating to a Waypoint

- 1 From the home page, press ▲ or ▼ to scroll through the apps on the device.
- 2 Select **Saved > Waypoints**.
- 3 Select a waypoint.
- 4 Press **OK** to open the options menu.
- 5 Select **Go**.

By default, your route to the waypoint appears as a straight line on the map.

Finding a Waypoint by Name

- 1 From the home page, select **Saved**.
- 2 Select **Saved > Waypoints**.
- 3 Select **Search**.

Editing a Waypoint

- 1 From the home page, press ▲ or ▼ to scroll through the apps on the device.
- 2 Select **Saved > Waypoints**.
- 3 Select a saved waypoint.
- 4 Press **OK** to open the options menu.
- 5 Select **Edit**.
- 6 Select an item to edit, such as the name or location.
- 7 Enter the new information, and select **Done**.

Projecting a Waypoint

You can create a new location by projecting the distance and bearing from a marked location to a new location.

- 1 From the home page, press ▲ or ▼ to scroll through the apps on the device.
- 2 Select **Saved > Waypoints**.
- 3 Select a waypoint.
- 4 Press **OK** to open the options menu.
- 5 Select **Project Waypoint**.
- 6 Set the heading, select a unit of measure, and enter the distance.
- 7 Press **OK** to save.

Increasing the Accuracy of a Waypoint Location

You can refine the accuracy of a waypoint location by averaging the location data. When averaging, the device takes several GPS readings at the same location and uses the average value to provide more accuracy.

- 1 From the home page, press ▲ or ▼ to scroll through the apps on the device.
- 2 Select **Saved > Waypoints**.
- 3 Select a waypoint.
- 4 Press **OK** to open the options menu.
- 5 Select **Average Location**.
- 6 Move to the waypoint location.
- 7 Select **Start**.
- 8 Follow the on-screen instructions.
- 9 When the confidence status bar reaches 100%, select **Save**.

For best results, collect four to eight samples for the waypoint, waiting at least 90 minutes between samples.

Repositioning a Waypoint to Your Current Location

You can change the position of a waypoint. For example, if you move your vehicle, you can change the location to your current position.

- 1 From the home page, press ▲ or ▼ to scroll through the apps on the device.
- 2 Select **Saved > Waypoints**.
- 3 Select a waypoint.
- 4 Press **OK** to open the options menu.
- 5 Select **Reposition Here**.

The waypoint location changes to your current location.

Deleting a Waypoint

- 1 From the home page, press ▲ or ▼ to scroll through the apps on the device.
- 2 Select **Saved > Waypoints**.
- 3 Select a waypoint.
- 4 Press **OK** to open the options menu.
- 5 Select **Delete**.

Courses

Creating a Course

- 1 From the home page, press ▲ or ▼ to scroll through the apps on the device.
- 2 Select **Saved > Courses > Add Course**.
- 3 Edit the course name if necessary, and hold **OK**.
- 4 Select **Add Location**.
- 5 Select a category.
- 6 Select the first point in the course.
- 7 Select **Add Location** to add additional points to the course.
- 8 Select **Save**.

Navigating a Saved Course

- 1 From the home page, press ▲ or ▼ to scroll through the apps on the device.
- 2 Select **Saved > Courses**.
- 3 Select a course.
- 4 Press **OK** to open the options menu.
- 5 Select **Go**.
By default, your course appears as a straight line on the map.

Editing a Course

- 1 From the home page, press ▲ or ▼ to scroll through the apps on the device.
- 2 Select **Saved > Courses**.
- 3 Select a course.
- 4 Press **OK** to open the options menu.
- 5 Select **Edit**.
- 6 Select a point.
- 7 Select an option:
 - To remove the point from the course, press **OK**.
 - To change the order of the points on the course, press ▲ or ▼.
- 8 If necessary, select **Add Location** to add additional points to the course.
- 9 Select **Save**.

Editing the Name of a Course

You can customize the name of a course to make it distinct.

- 1 From the home page, press ▲ or ▼ to scroll through the apps on the device.
- 2 Select **Saved > Courses**.
- 3 Select a course.
- 4 Press **OK** to open the options menu.
- 5 Select **Edit Name**.
- 6 Enter the new name, and hold **OK**.

Viewing a Saved Course on the Map

- 1 From the home page, press ▲ or ▼ to scroll through the apps on the device.
- 2 Select **Saved > Courses**.
- 3 Select a course.
- 4 Press **OK** to open the options menu.
- 5 Select **View On Map**.

Deleting a Course

- 1 From the home page, press ▲ or ▼ to scroll through the apps on the device.
- 2 Select **Saved > Courses**.
- 3 Select a course.
- 4 Press **OK** to open the options menu.
- 5 Select **Delete**.

Device Information

Product Updates

On your computer, install Garmin Express™ (www.garmin.com/express). On your phone, install the Garmin Explore app.

This provides easy access to these services for Garmin® devices:

- Software updates
- Map updates
- Data uploads to Garmin Explore
- Product registration

Setting Up Garmin Express

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

Getting More Information

You can find more information about this product on the Garmin website.

- Go to support.garmin.com for additional manuals, articles, and software updates.
- Go to buy.garmin.com, or contact your Garmin dealer for information about optional accessories and replacement parts.

Viewing E-label Regulatory and Compliance Information

The label for this device is provided electronically. The e-label may provide regulatory information, such as identification numbers provided by the FCC or regional compliance markings, as well as applicable product and licensing information.

- 1 From the home page, press ▲ or ▼ to scroll through the apps on the device.
- 2 Select **Settings**.
- 3 Select **About**.

Device Care

NOTICE

Avoid chemical cleaners, solvents, and insect repellents that can damage plastic components and finishes.

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

The device is water resistant to IEC Standard 60529 IPX7. It can withstand accidental immersion in 1 meter of water for 30 minutes. Prolonged submersion can cause damage to the device. After submersion, be certain to wipe dry and air dry the device before using or charging.

Thoroughly rinse the device with fresh water after exposure to chlorinated or salt water environments.

Cleaning the Device

NOTICE

Even small amounts of sweat or moisture can cause corrosion of the electrical contacts when connected to a charger. Corrosion can prevent charging and data transfer.

- 1 Wipe the device using a cloth dampened with a mild detergent solution.
- 2 Wipe it dry.

After cleaning, allow the device to dry completely.

Data Management

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

File Types

The handheld device supports these file types:

- GPX route, track, and waypoint files.
- GPX geocache files.
- JPEG photo files.
- GPI custom POI files from the Garmin POI Loader. Go to www.garmin.com/products/poiloader.

Connecting the Device to Your Computer

NOTICE

To prevent corrosion, thoroughly dry the USB port, the weather cap, and the surrounding area before charging or connecting to a computer.

- 1 Pull up the weather cap from the USB port.
- 2 Plug the small end of the USB cable into the USB port on the device.
- 3 Plug the large end of the USB cable into a computer USB port.
Your device and memory card (optional) appear as removable drives in My Computer on Windows computers and as mounted volumes on Mac computers.

Transferring Files to Your Device

- 1 Connect the device to your computer.
On Windows computers, the device appears as a removable drive or a portable device, and the memory card may appear as a second removable drive. On Mac computers, the device and memory card appear as mounted volumes.
NOTE: Some computers with multiple network drives may not display device drives properly. See your operating system documentation to learn how to map the drive.
- 2 On your computer, open the file browser.
- 3 Select a file.
- 4 Select **Edit > Copy**.
- 5 Open the portable device, drive, or volume for the device or memory card.
- 6 Browse to a folder.
- 7 Select **Edit > Paste**.
The file appears in the list of files in the device memory or on the memory card.

Deleting Files

NOTICE

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

- 1 Open the **Garmin** drive or volume.
- 2 If necessary, open a folder or volume.
- 3 Select a file.
- 4 Press the **Delete** key on your keyboard.
NOTE: If you are using an Apple® computer, you must empty the Trash folder to completely remove the files.

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 the device.

- 1 Complete an action:
 - For Windows computers, select the **Safely Remove Hardware** icon in the system tray, and select your device.
 - For Apple computers, select the device, and select **File > Eject**.
- 2 Disconnect the cable from your computer.

Specifications

Battery type	Two 1.5 V AA batteries (alkaline, NiMH, or lithium)
Battery life	Up to 1 week
Water rating	IEC 60529 IPX7 ¹
Operating temperature range	From -20° to 60°C (from -4° to 140°F)
Wireless frequency	2.4 GHz @ 6.16 dBm maximum

Appendix

Optional Accessories

Optional accessories, such as mounts, maps, fitness accessories, and replacement parts, are available at <http://buy.garmin.com> or from your Garmin dealer.

Attaching a Lanyard

- 1 Insert the loop of the lanyard through the slot in the device.



- 2 Thread the other end of the lanyard through the loop, and pull it tight.
- 3 If necessary, attach the lanyard to your clothing or backpack to tether it during an activity.

¹ The device withstands incidental exposure to water of up to 1 m for up to 30 min. For more information, go to www.garmin.com/waterrating.

Troubleshooting

Maximizing Battery Life

You can do several things to extend the life of the batteries.

- Reduce the backlight brightness (,).
- Reduce the backlight timeout (,).
- Decrease the map drawing speed (,).
- Turn off GLONASS (,).

Long-Term Storage

When you do not plan to use the device for several months, remove the batteries. Stored data is not lost when batteries are removed.

Restarting the Device

If the device stops responding, you may need to restart it. This does not erase any of your data or settings.

- 1 Remove the batteries.
- 2 Reinstall the batteries.

Restoring All Default Settings

You can reset all settings back to the factory default settings.

Select **Settings > Reset > Reset All Settings > Yes**.

