

















































































































- 8 Press down slightly and close the lever to lock the Edge device into the mount.
- 9 Connect the power pod cable ⑤ to the compatible power cable on your eBike (*Required Cables*, page 45).



## Required Cables

In order to complete the installation, you must purchase one of these compatible cables:

- Bosch® power mount accessory cable
- Shimano® power mount accessory cable

**NOTE:** Garmin recommends having a bike technician trim the compatible Shimano cable to the correct length.

| Wire Color | Wire Function |
|------------|---------------|
| Red        | Power         |
| Yellow     | Power         |
| Blue       | Ground        |
| Black      | Ground        |

- USB-A power mount accessory cable

**NOTE:** If you have trouble installing and wiring the mount, Garmin recommends visiting a bike service store for assistance.

## Edge Power Mount Status LED

| LED Activity   | Status   |
|----------------|--|
| Solid green    | The power mount is connected to power, but it is not connected to an Edge device.  |
| Flashing green | The power mount is connected to the Edge device and is charging.   |
| Flashing red   | An error occurred. Unplug the power mount, and remove the Edge device. Plug the power mount in again, and install the Edge device. If the red flashing continues, contact Product Support. |

## Specifications

|                             |  |
|-----------------------------|--|
| Battery type                | Rechargeable, built-in lithium-ion battery |
| Battery life                | Up to 16 hr.                               |
| Operating temperature range | From -20° to 60°C (from -4° to 140°F)      |
| Charging temperature range  | From 0° to 45°C (from 32° to 113°F)        |
| Wireless frequency          | 2.4 GHz @ 20 dBm maximum                   |
| Water rating                | IEC 60529 IPX7 <sup>1</sup>                |

## Product Updates

Your device automatically checks for updates when connected to Bluetooth. You can manually check for updates from the system settings ([System Settings, page 38](#)). On your computer, install Garmin Express ([www.garmin.com/express](http://www.garmin.com/express)). On your phone, install the Garmin Connect app.

This provides easy access to these services for Garmin devices:

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

### Updating the Software Using the Garmin Connect App

Before you can update your device software using the Garmin Connect app, you must have a Garmin Connect account, and you must pair the device with a compatible smartphone ([Pairing Your Phone, page 13](#)).

Sync your device with the Garmin Connect app.

When new software is available, the Garmin Connect app automatically sends the update to your device.

### Updating the Software Using Garmin Express

Before you can update your device software, you must have a Garmin Connect account, and you must download the Garmin Express application.

- 1 Connect the device to your computer using the USB cable.  
When new software is available, Garmin Express sends it to your device.
- 2 Follow the on-screen instructions.
- 3 Do not disconnect your device from the computer during the update process.

## Viewing Device Information

You can view device information, such as the unit ID, software version, and license agreement.

Select  > **System** > **About** > **Copyright Info**.

## Viewing 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 Select .
- 2 Select **System** > **Regulatory Info**.

<sup>1</sup> 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](http://www.garmin.com/waterrating).

## Device Care

### NOTICE

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.

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

Secure the weather cap tightly to prevent damage to the USB port.

Avoid extreme shock and harsh treatment, because it can degrade the life of the product.

## 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.

## Edge Power Mount Device Care

### NOTICE

Secure the weather cap tightly to prevent damage to the exposed contacts.

Keep the components clean and free of debris.

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

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

Avoid extreme shock and harsh treatment, because it can degrade the life of the product.

Replace components with Garmin parts only. See your Garmin dealer or the Garmin website.

Contact your local waste disposal department to dispose of the power mount in accordance with applicable local laws and regulations.

## Cleaning the Edge Power Mount


- Clear mud and dirt from the weather cap area and exposed contacts.
- While the weather cap is installed, hold the device under running water.

After cleaning, allow the device to dry completely.

# Troubleshooting

## Resetting the Device

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

Hold  for 10 seconds.

The device resets and turns on.


## Restoring the Default Settings

You can restore the default configuration settings and activity profiles. This will not remove your history or activity data, such as rides and courses.

Select  > **System** > **Device Reset** > **Reset Default Settings** > .

## Clearing User Data and Settings

You can clear all user data and restore the device to its initial setup. This removes your history and data, such as rides and courses, and resets the device settings and activity profiles. This will not remove any files you added to the device from your computer.

Select  > **System** > **Device Reset** > **Delete Data and Reset Settings** > .

## Maximizing Battery Life

- Turn on **Battery Saver** (*Turning On Battery Saver Mode, page 48*).
- Decrease the backlight brightness (*Using the Backlight, page 38*) or shorten the backlight timeout (*Display Settings, page 38*).
- Select the **Smart** recording interval (*Data Recording Settings, page 39*).
- Turn on the **Auto Sleep** feature (*Using Auto Sleep, page 37*).
- Turn off the **Phone** wireless feature (*Phone Settings, page 37*).
- Select the **GPS** setting (*Changing the Satellite Setting, page 37*).
- Remove wireless sensors that you no longer use.

## Turning On Battery Saver Mode

Battery saver mode allows you to adjust the settings to extend the battery life for longer rides.

1 Select  > **Battery Saver** > **Enable**.

2 Select an option:



- Select **Reduce Backlight** to reduce the backlight brightness.
- Select **Hide Map** to hide the map screen.  
**NOTE:** When this option is enabled, navigation turn prompts still appear.
- Select **Satellite Systems** to change the satellite setting.

The estimated battery life remaining appears at the top of the screen.

After your ride, you should charge your device and disable battery saver mode to use all the device features.

## My phone will not connect to the device

If your phone will not connect to the device, you can try these tips.

- Turn off your phone and your device, and turn them back on again.
- Enable Bluetooth technology on your phone.
- Update the Garmin Connect app to the latest version.
- Remove your device from the Garmin Connect app and the Bluetooth settings on your phone to retry the pairing process.
- If you bought a new phone, remove your device from the Garmin Connect app on the phone you intend to stop using.
- Bring your phone within 10 m (33 ft.) of the device.
- On your phone, open the Garmin Connect app, select  or , and select **Garmin Devices** > **Add Device** to enter pairing mode.
- Swipe down on the home screen to view the settings widget, and select **Phone** > **Pair Smartphone** to manually enter pairing mode.


## Improving GPS Satellite Reception

- Frequently sync the device to your Garmin account:
  - Connect your device to a computer using the USB cable and the Garmin Express application.
  - Sync your device to the Garmin Connect app using your Bluetooth enabled phone.

While connected to your Garmin account, the device downloads several days of satellite data, allowing it to quickly locate satellite signals.


- Take your device outside to an open area away from tall buildings and trees.
- Remain stationary for a few minutes.

## My device is in the wrong language

- 1 Select .
- 2 Scroll down to the second-to-last item in the list, and select it.
- 3 Scroll down to the seventh item in the list, and select it.
- 4 Select your language.



## Calibrating the Barometric Altimeter

Your device was already calibrated at the factory, and the device uses automatic calibration at your GPS starting point by default. You can manually calibrate the barometric altimeter if you know the correct elevation.

- 1 Select  > **System** > **Altimeter**.
- 2 Select an option:
  - To calibrate automatically from your GPS starting point, select **Auto Cal..**
  - To enter the current elevation manually, select **Calibrate** > **Enter Manually**.
  - To enter the current elevation from the digital elevation model (DEM), select **Calibrate** > **Use DEM**.
  - To enter the current elevation from your GPS starting point, select **Calibrate** > **Use GPS**.

## Setting Your Elevation

If you have accurate elevation data for your present location, you can manually calibrate the altimeter on your device.

- 1 Select **Navigation** >  > **Set Elevation**.
- 2 Enter the elevation, and select .

## Temperature Readings

The device may display temperature readings that are higher than the actual air temperature if the device is placed in direct sunlight, held in your hand, or is charging with an external battery pack. Also, the device will take some time to adjust to significant changes in temperature.

## Replacement O-rings

Replacement bands (O-rings) are available for the mounts.

**NOTE:** Use Ethylene Propylene Diene Monomer (EPDM) replacement bands only. Go to <http://buy.garmin.com>, or contact your Garmin dealer.

## Getting More Information

- Go to [support.garmin.com](http://support.garmin.com) for additional manuals, articles, and software updates.
- Go to [buy.garmin.com](http://buy.garmin.com), or contact your Garmin dealer for information about optional accessories and replacement parts.

# Appendix

## Data Fields

Some data fields require ANT+ or Bluetooth accessories to display data. Some data fields appear in more than one category on the device.

**TIP:** You can also customize the data fields from the device settings in the Garmin Connect app.

**%Max Heart Rate:** The percentage of maximum heart rate.

**3s Power:** The 3-second moving average of power output.

**Asc. to Next Course Pt.:** The remaining ascent to the next point on the course.

**Ascent Remaining:** During a course, the remaining ascent when you are using an elevation target.

**Assist Mode:** The current eBike assistance mode.

**Avg Cadence:** Cycling. The average cadence for the current activity.

**Avg Heart Rate:** The average heart rate for the current activity.

**Avg Lap Time:** The average lap time for the current activity.

**Avg Power:** The average power output for the current activity.

**Avg Speed:** The average speed for the current activity.

**Battery Level:** The remaining battery power.

**Battery Status:** The remaining battery power of a bike light accessory.

**Beam Angle Status:** The headlight beam mode.

**Cadence:** Cycling. The number of revolutions of the crank arm. Your device must be connected to a cadence accessory for this data to appear.

**Cadence Graph:** A line graph showing your cycling cadence values for the current activity.

**Calories:** The amount of total calories burned.

**Course Pt. Distance:** The remaining distance to the next point on the course.

**Destination Location:** The position of your final destination.

**Dist. to Point:** The remaining distance to the next point.

**Distance:** The distance traveled for the current track or activity.

**Distance to Destination:** The remaining distance to the final destination. You must be navigating for this data to appear.

**Distance to Next:** The remaining distance to the next waypoint on the route. You must be navigating for this data to appear.

**eBike Battery:** The remaining battery power of an eBike.

**Elapsed Time:** The total time recorded. For example, if you start the activity timer and ride for 10 minutes, then stop the timer for 5 minutes, then start the timer and ride for 20 minutes, your elapsed time is 35 minutes.

**Elevation:** The altitude of your current location above or below sea level.

**Elevation Graph:** A line graph showing your current elevation, total ascent, and total descent for the current activity.

**ETA at Destination:** The estimated time of day when you will reach the final destination (adjusted to the local time of the destination). You must be navigating for this data to appear.

**ETA at Next:** The estimated time of day when you will reach the next waypoint on the route (adjusted to the local time of the waypoint). You must be navigating for this data to appear.

**GPS Signal Strength:** The strength of the GPS satellite signal.

**Grade:** The calculation of rise (elevation) over run (distance). For example, if for every 3 m (10 ft.) you climb you travel 60 m (200 ft.), the grade is 5%.

**Heading:** The direction you are moving.

**Heart Rate:** Your heart rate in beats per minute (bpm). Your device must be connected to a compatible heart rate monitor.



**Heart Rate Graph:** A line graph showing your current, average, and maximum heart rate values for the current activity.

**Heart Rate Zone:** The current range of your heart rate (1 to 5). The default zones are based on your user profile and maximum heart rate (220 minus your age).

**Kilojoules:** The accumulated work performed (power output) in kilojoules.

**Lap Cadence:** Cycling. The average cadence for the current lap.

**Lap Distance:** The distance traveled for the current lap.

**Lap Heart Rate:** The average heart rate for the current lap.

**Lap Power:** The average power output for the current lap.

**Laps:** The number of laps completed for the current activity.

**Lap Speed:** The average speed for the current lap.

**Lap Time:** The stopwatch time for the current lap.

**Light Mode:** The light network configuration mode.

**Lights Connected:** The number of connected lights.

**Max. Power:** The top power output for the current activity.

**Max. Speed:** The top speed for the current activity.

**Next Waypoint:** The next point on the route. You must be navigating for this data to appear.

**Odometer:** A running tally of distance traveled for all trips. This total does not clear when resetting the trip data.

**Power:** The current power output in watts.

**Power Graph:** A line graph showing your current, average, and maximum power output values for the current activity.

**Power Zone:** The current range of power output (1 to 7) based on your FTP or custom settings.

**Shifting Advice:** The recommendation to shift up or down based on your current effort. Your eBike must be in manual shifting mode.

**Smart Travel Range:** The estimated remaining distance the eBike will provide assistance, taking into account the local terrain.

**Speed:** The current rate of travel.

**Speed Graph:** A line graph showing your speed for the current activity.

**Sunrise:** The time of sunrise based on your GPS position.

**Sunset:** The time of sunset based on your GPS position.

**Temperature:** The temperature of the air. Your body temperature affects the temperature sensor.

**Time of Day:** The time of day based on your current location and time settings (format, time zone, daylight saving time).

**Timer:** The stopwatch time for the current activity.

**Time to Destination:** The estimated time remaining before you reach the destination. You must be navigating for this data to appear.

**Time to Next:** The estimated time remaining before you reach the next waypoint in the route. You must be navigating for this data to appear.

**Time to Point:** The remaining time to the next point.

**Total Ascent:** The total elevation distance ascended since the last reset.

**Total Descent:** The total elevation distance descended since the last reset.

**Trainer Controls:** During a workout, the resistance force applied by an indoor trainer.

**Travel Range:** The estimated distance you can travel based on the current eBike settings and remaining battery power.

## VO2 Max. Standard Ratings

These tables include standardized classifications for VO2 max. estimates by age and gender.

| Males     | Percentile | 20–29 | 30–39 | 40–49 | 50–59 | 60–69 | 70–79 |
|-----------|------------|-------|-------|-------|-------|-------|-------|
| Superior  | 95         | 55.4  | 54    | 52.5  | 48.9  | 45.7  | 42.1  |
| Excellent | 80         | 51.1  | 48.3  | 46.4  | 43.4  | 39.5  | 36.7  |
| Good      | 60         | 45.4  | 44    | 42.4  | 39.2  | 35.5  | 32.3  |
| Fair      | 40         | 41.7  | 40.5  | 38.5  | 35.6  | 32.3  | 29.4  |
| Poor      | 0–40       | <41.7 | <40.5 | <38.5 | <35.6 | <32.3 | <29.4 |

| Females   | Percentile | 20–29 | 30–39 | 40–49 | 50–59 | 60–69 | 70–79 |
|-----------|------------|-------|-------|-------|-------|-------|-------|
| Superior  | 95         | 49.6  | 47.4  | 45.3  | 41.1  | 37.8  | 36.7  |
| Excellent | 80         | 43.9  | 42.4  | 39.7  | 36.7  | 33    | 30.9  |
| Good      | 60         | 39.5  | 37.8  | 36.3  | 33    | 30    | 28.1  |
| Fair      | 40         | 36.1  | 34.4  | 33    | 30.1  | 27.5  | 25.9  |
| Poor      | 0–40       | <36.1 | <34.4 | <33   | <30.1 | <27.5 | <25.9 |

Data reprinted with permission from The Cooper Institute. For more information, go to [www.CooperInstitute.org](http://www.CooperInstitute.org).

## Heart Rate Zone Calculations

| Zone | % of Maximum Heart Rate | Perceived Exertion   | Benefits   |
|------|-------------------------|--|--|
| 1    | 50–60%                  | Relaxed, easy pace, rhythmic breathing                                   | Beginning-level aerobic training, reduces stress           |
| 2    | 60–70%                  | Comfortable pace, slightly deeper breathing, conversation possible       | Basic cardiovascular training, good recovery pace          |
| 3    | 70–80%                  | Moderate pace, more difficult to hold conversation                       | Improved aerobic capacity, optimal cardiovascular training |
| 4    | 80–90%                  | Fast pace and a bit uncomfortable, breathing forceful                    | Improved anaerobic capacity and threshold, improved speed  |
| 5    | 90–100%                 | Sprinting pace, unsustainable for long period of time, labored breathing | Anaerobic and muscular endurance, increased power          |

## Wheel Size and Circumference

Your speed sensor automatically detects your wheel size. If necessary, you can manually enter your wheel circumference in the speed sensor settings.

The tire size is marked on both sides of the tire. This is not a comprehensive list. You can also measure the circumference of your wheel or use one of the calculators available on the internet.

| Tire Size        | Wheel Circumference (mm) |
|------------------|--------------------------|
| 20 × 1.75        | 1515                     |
| 20 × 1-3/8       | 1615                     |
| 22 × 1-3/8       | 1770                     |
| 22 × 1-1/2       | 1785                     |
| 24 × 1           | 1753                     |
| 24 × 3/4 Tubular | 1785                     |
| 24 × 1-1/8       | 1795                     |
| 24 × 1.75        | 1890                     |
| 24 × 1-1/4       | 1905                     |
| 24 × 2.00        | 1925                     |
| 24 × 2.125       | 1965                     |
| 26 × 7/8         | 1920                     |
| 26 × 1-1.0       | 1913                     |
| 26 × 1           | 1952                     |
| 26 × 1.25        | 1953                     |
| 26 × 1-1/8       | 1970                     |
| 26 × 1.40        | 2005                     |
| 26 × 1.50        | 2010                     |
| 26 × 1.75        | 2023                     |
| 26 × 1.95        | 2050                     |
| 26 × 2.00        | 2055                     |
| 26 × 1-3/8       | 2068                     |
| 26 × 2.10        | 2068                     |
| 26 × 2.125       | 2070                     |
| 26 × 2.35        | 2083                     |
| 26 × 1-1/2       | 2100                     |
| 26 × 3.00        | 2170                     |
| 27 × 1           | 2145                     |
| 27 × 1-1/8       | 2155                     |
| 27 × 1-1/4       | 2161                     |
| 27 × 1-3/8       | 2169                     |
| 29 × 2.1         | 2288                     |



