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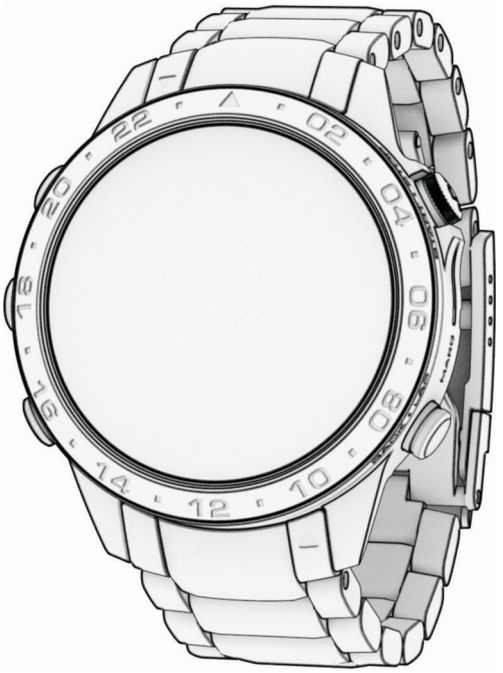

MARQ® AVIATOR (GEN 2)

Owner's Manual

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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.

Always consult your physician before you begin or modify any exercise program.

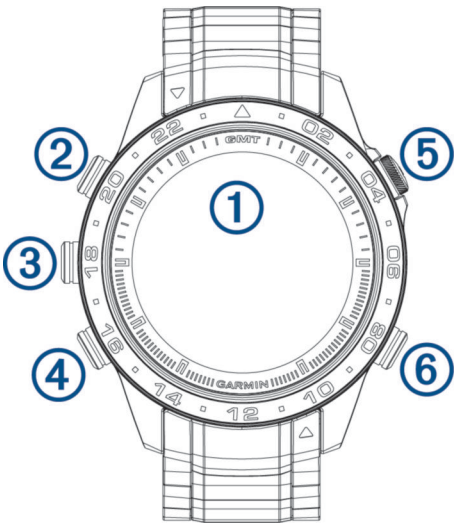
Getting Started

When using your watch the first time, you should complete these tasks to set it up and get to know the basic features.

1. Hold **LIGHT** to turn on the watch (*Device Overview*, page 1).
2. Follow the on-screen instructions to complete the initial setup.

   During the initial setup, you can pair your phone with your watch to receive notifications, sync your activities, and more (*Pairing Your Phone*, page 112). If you are upgrading from a compatible watch, you can migrate your watch settings, saved courses, and more when you pair your new MARQ Aviator watch with your phone.
3. Charge the watch (*Charging the Device*, page 141).
4. Start an activity (*Starting an Activity*, page 18).

Device Overview



① Touchscreen

- Tap to choose an option in a menu.
- Hold the watch face data to open the glance or feature.

  NOTE: This feature is not available on all watch faces.
- Swipe up or down to scroll through the glance loop and menus.
- Swipe right to return to the previous screen.
- Cover the screen with your palm to return to the watch face and turn down the screen brightness.

② LIGHT

- Press to turn on the watch.
- Press to turn down the screen brightness.
- Quickly press twice to turn on the flashlight.
- Hold to view the controls menu.

③ UP·MENU

- Press to scroll through the glance loop and menus.
- Hold to view the menu.

④ **DOWN**

- Press to scroll through the glance loop and menus.
- Hold to view the music controls from any screen.

⑤ **START·STOP**

- Press to choose an option in a menu.
- Press to view the activity list and start or stop an activity.
- Hold to navigate to an aviation waypoint.

⑥ **BACK·LAP**

- Press to return to the previous screen.
- Press to record a lap, rest, or transition during a multisport activity.

Enabling and Disabling the Touchscreen

- Hold **LIGHT**, and select .
- Hold **MENU**, select **System** > **Touch**, and select an option.

  TIP: To quickly enable or disable the touchscreen, you can assign a hot key shortcut to the hold function of the buttons (*Customizing the Hot Keys*, page 139).

Using the Watch

- Hold **LIGHT** to view the controls menu (*Controls*, page 87).

  The controls menu provides quick access to frequently used functions, such as turning on do not disturb mode, saving a location, and turning the watch off.
- From the watch face, press **UP** or **DOWN** to scroll through the glance loop (*Glances*, page 67).
- From the watch face, press **START** to start an activity or open an app (*Activities and Apps*, page 17).
- Hold **MENU** to customize the watch face (*Customizing the Watch Face*, page 66), adjust settings (*System Settings*, page 137), pair wireless sensors (*Pairing Your Wireless Sensors*, page 101), and more.

Clocks

Setting an Alarm

You can set multiple alarms.

1. Hold **MENU**.
2. Select **Clocks** > **ALARMS** > **Add Alarm**.
3. Enter the alarm time.

Editing an Alarm

1. Hold **MENU**.
2. Select **Clocks** > **ALARMS** > **Edit**.
3. Select an alarm.
4. Select an option:
   - To turn the alarm on or off, select **Status**.
   - To change the alarm time, select **Time**.
   - To set the alarm to repeat regularly, select **Repeat**, and select when the alarm should repeat.
   - To select the type of alarm notification, select **Sound and Vibe**.
   - To select a description for the alarm, select **Label**.
   - To delete the alarm, select **Delete**.

Starting the Countdown Timer

1. From the watch face, hold **MENU**.
2. Select **Clocks** > **TIMERS**.
3. Select an option:
   - To set and save a countdown timer for the first time, enter the time, press **MENU**, and select **Save Timer**.
   - To set and save additional countdown timers, select **Add Timer**, and enter the time.
   - To set a countdown timer without saving it, select **Quick Timer**, and enter the time.
4. If necessary, press **MENU**, and select an option:
   - Select **Time** to change the time.
   - Select **Restart** > **On** to automatically restart the timer after it expires.
   - Select **Sound and Vibe**, and select a type of notification.
5. Press **START** to start the timer.

Deleting a Timer

1. From the watch face, hold **MENU**.
2. Select **Clocks** > **TIMERS** > **Edit**.
3. Select a timer.
4. Select **Delete**.

Using the Stopwatch

1. From the watch face, hold **MENU**.
2. Select **Clocks** > **STOPWATCH**.
3. Press **START** to start the timer.
4. Press **LAP** to restart the lap timer ①.

The total stopwatch time ② continues running.

5. Press **STOP** to stop both timers.
6. Select an option:
   - To reset both timers, press **DOWN**.
   - To save the stopwatch time as an activity, press **MENU**, and select **Save Activity**.
   - To reset the timers and exit the stopwatch, press **MENU**, and select **Done**.
   - To review the lap timers, press **MENU**, and select **Review**.
     NOTE: The **Review** option only appears if there have been multiple laps.
   - To return to the watch face without resetting the timers, press **MENU**, and select **Go to Watchface**.
   - To enable or disable lap recording, press **MENU**, and select **Lap Key**.

Adding Alternate Time Zones

You can display the current time of day in additional time zones.

NOTE: You can view your alternate time zones in the glance loop (*Customizing the Glance Loop*, page 71).

1. Hold **MENU**.
2. Select **Clocks** > **ALT. TIME ZONES** > **Add Alt. Time Zone**.
3. Select an option:
   - Select **Use Airport Ident.** to search for a time zone by entering the alphanumeric identifier for an aviation waypoint.
   - Select **Use Map** to choose a time zone for a geographic location.
4. Press **UP** or **DOWN** to highlight a region, and press **START** to select it.
5. Select a time zone.
6. If necessary, rename the zone.

Editing an Alternate Time Zone

1. Hold **MENU**.
2. Select **Clocks** > **ALT. TIME ZONES**.
3. Select a time zone.
4. Press **START**.
5. Select an option:
   - To set the time zone to display on the glance loop, select **Set as Favorite**.
   - To enter a custom name for the time zone, select **Rename Zone**.
   - To enter a custom abbreviation for the time zone, select **Abbreviate Zone**.
   - To change the time zone, select **Change Zone**.
   - To delete the time zone, select **Delete Zone**.

Flying

⚠ WARNING

Do not use this watch as a primary means of navigation. See the *Important Safety and Product Information* document in the product box for product warnings and other important information prior to use.

This watch is not intended to provide primary flight information and is to be used for supplemental purposes only.

Aviation Alerts

⚠ WARNING

This watch is not intended to provide primary flight information and is to be used for supplemental purposes only.

Aviation alerts on your watch can notify you when you reach certain altitudes, distances, waypoints, and more.

Setting Aviation Alerts

1. From the watch face, press **UP** or **DOWN** to view the aviation alerts glance.
2. Press **START**.
3. If necessary, select **Edit Alert List** > **Add New Alert**, and select an alert to add to the list.
4. Select an alert.
5. Select an option:

   NOTE: Not all options are available for all alerts.
   - To set an alert at a certain altitude, select **Altitude**.
   - To set an alert at a certain distance, select **Distance**.
   - To set the vibration pattern for the notification, select **Vibe Pattern**.
   - To set an alert when you reach a waypoint, select **Waypoint**.
   - To set an alert when you reach a distance or time threshold, select **Threshold**.
   - To update the source of METAR information, select **METAR Source**.
   - To set the source of model output statistics, select **MOS Source**.

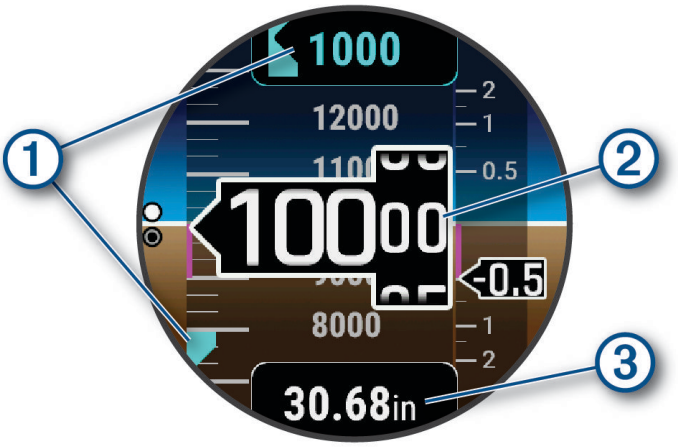
     NOTE: Model output statistics are available for United States airports only.
   - To set the source of terminal aerodrome forecasts, select **TAF Source**.
   - If necessary, enter a time value, and select ✔
6. If necessary, select **Status** to turn on the alert.
7. Select **Enable All Alerts** to enable or disable all alerts with the **Status** option set to **On** (optional).

Viewing the Altimeter

⚠ WARNING

This watch is not intended to provide primary flight information and is to be used for supplemental purposes only.

1 From the watch face, press **UP** or **DOWN** to view the altimeter glance.
2 Press **START**.



1	Alert altitude
2	Pressure altitude
3	Barometric pressure

Calculating Density Altitude

You can calculate the density altitude at your current location by adjusting the temperature and barometric pressure.

1 From the watch face, press **UP** or **DOWN** to view the altimeter glance.
2 Press **DOWN** to view the density altitude calculator.
3 Press **START** to enter edit mode.

NOTE: If weather information is available from the nearest METAR station, the temperature and barometric pressure values are prepopulated and the station identifier appears.

4 Select **Pressure**, and press **UP** or **DOWN** to adjust the barometric pressure until the **Indicated Alt.** value matches your known elevation or mean sea level (MSL).

The density altitude calculation updates as you modify the value.

5 Press **START** to save the value.
6 Select **Temp.**, and press **UP** or **DOWN** to set the temperature to the outside air temperature.

The density altitude calculation updates as you modify the value.

7 Press **START** to save the value.
8 Press **BACK** to exit edit mode.

Viewing Aviation Weather Information

⚠ WARNING

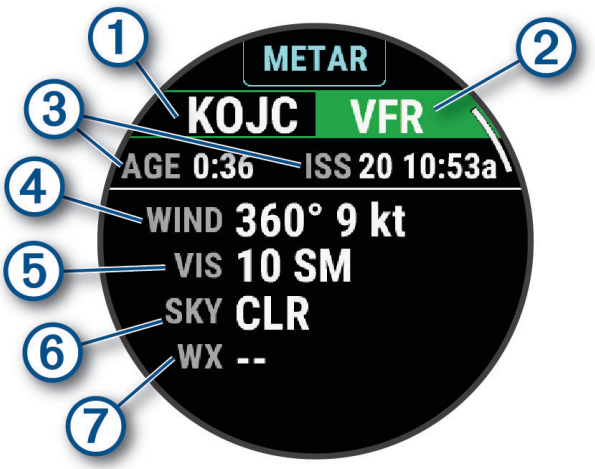
This watch is not intended to provide primary flight information and is to be used for supplemental purposes only.

1. From the watch face, press **UP** or **DOWN** to view the aviation weather glance.
2. Press **START**.
3. Select an option:
   - To view METAR information, select **METAR** (*Viewing METAR Information*, page 7).
   - To view terminal aerodrome forecasts, select **TAF** (*Viewing TAF Information*, page 8).
   - To view model output statistics, select **MOS**.
   - To view meteograms, select **Meteogram**.

   NOTE: Model output statistics and meteograms are available for United States airports only.

Viewing METAR Information

1. From the watch face, press **UP** or **DOWN** to view the aviation weather glance.
2. Press **START**.
3. Select **METAR**.

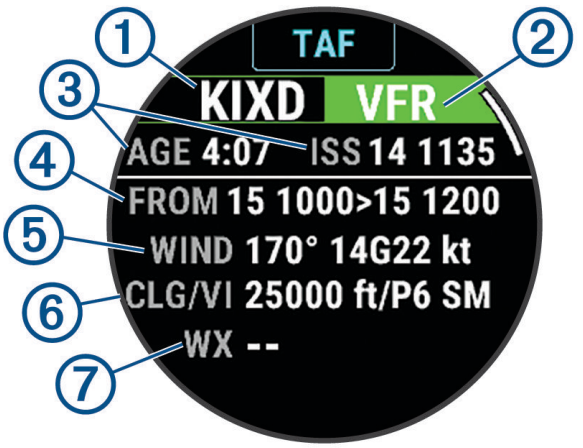


1	Airport identifier
2	Aviation flight category
3	Age of the data and when the report was issued
4	Wind direction, speed, and gusts
5	Visibility in statute miles
6	Sky conditions
7	Weather conditions

4. Press **DOWN** to view additional information.

Viewing TAF Information

1 From the watch face, press **UP** or **DOWN** to view the aviation weather glance.
2 Press **START**.
3 Select **TAF**.



1	Airport identifier
2	Aviation flight category
3	Age of the data and when the report was issued
4	Time period covered in the report
5	Wind direction, speed, and gusts
6	Height of the base of the lowest clouds and visibility in statute miles
7	Weather conditions

4 Press **DOWN** to view reports for later times.

Viewing NEXRAD Weather Radar

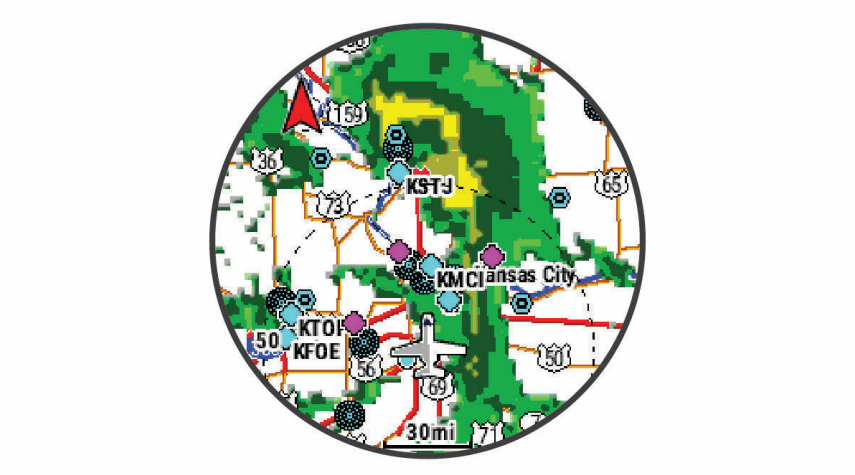
Before you can view NEXRAD weather radar, you must pair your device with your smartphone (*Pairing Your Phone*, page 112).

You can view the weather radar image associated with your current location.

NOTE: You can customize the **NEXRAD Tiles** option in the **Aviation** settings to download additional weather radar images based on a direction from your current location (*Aviation Settings*, page 17).

1 At any time, hold **DOWN** and **START** at the same time.

The device downloads a square of radar data for your current GPS position, outlined in magenta. The radar data is active for 5 minutes.



NOTE: If you are near the border of the square, you may not see all applicable radar data.

2 If necessary, hold **DOWN** and **START** to download new data.

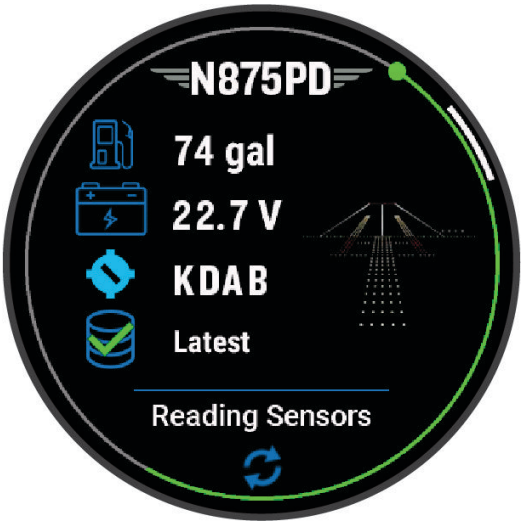
Viewing PLANESYNC™ Data

⚠ WARNING

This watch is not intended to provide primary flight information and is to be used for supplemental purposes only.

When you connect your watch, a compatible GDL® 60 portable receiver, and an aircraft to your flyGarmin.com account, you can view avionics data on your watch. Go to buy.garmin.com for more information about compatible devices.

1. From the watch face, press **UP** or **DOWN** to view the PLANESYNC glance.
2. Press **START**.



3. If this is the first time you are viewing the glance, select to connect to an aircraft in your flyGarmin.com account.
4. Select an option:
   - Press **DOWN** to view the aircraft status, location, and sensor data.
   - Press **START**, and select to refresh the connection to the aircraft.
   - Press **START**, and select to connect to a different aircraft.

Flying Activity

A flying activity starts automatically when your detected climb rate exceeds the value you set in the auto fly settings. The default auto fly value is 500 fpm.

Starting a Flight

1. From the watch face, press **START**.
2. Select **Fly**.
3. Go outside and wait while the watch locates satellites.
4. Press **START** to start the flight timer.

   NOTE: Your activity data is recorded only while the flight timer is running. You can edit the activity settings to start the Fly activity and the flight timer automatically at specified thresholds (*Activities and App Settings*, page 49).
5. Start your activity.
6. After you complete your activity, press **STOP**, and select **Save**.

Viewing Your SpO2 Readings in Flight

⚠ WARNING

The SpO2 readings are intended for supplemental information only. Always defer to applicable flight instruments for primary awareness.

The watch has a wrist-based pulse oximeter to gauge the saturation of oxygen in your blood (SpO2). During a flight, the watch automatically takes pulse oximeter readings more frequently, so you can monitor your SpO2 percentage.

TIP: You can improve the accuracy of your SpO2 readings by turning on the All Day pulse oximeter mode (*Setting the Pulse Oximeter Mode*, page 95).

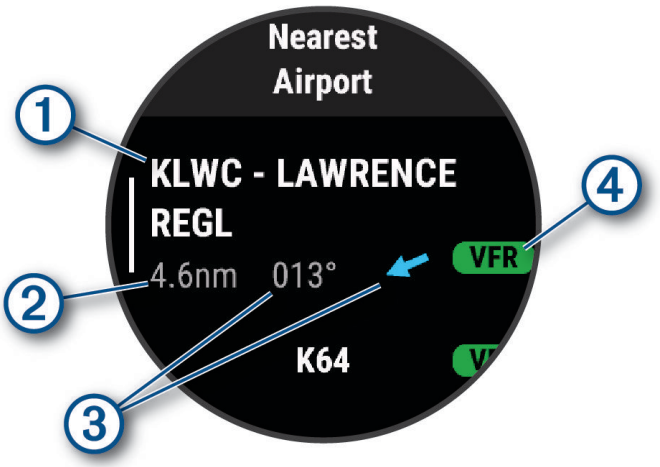
During a flight, scroll up or down to view the SpO2 data screen.

Your most recent reading appears as an oxygen saturation percentage and position on the color gauge.

NOTE: If you are too active for the watch to determine your oxygen saturation, dashes appear instead of a percentage. You should remain stationary for up to 30 seconds while the watch reads your blood oxygen saturation.

Navigating to the Nearest Airport

1 Hold **BACK·LAP**.
A list of the nearest airports appears.



1	Nearest airport identifier
2	Distance to the nearest airport
3	Bearing and pointer to the nearest airport
4	Flight condition from the nearest METAR station

2 Select an airport.
3 Select **Direct-To**.
4 Press **START** to begin navigation.

Navigating to an Aviation Waypoint by Its Identifier

You can navigate directly to an aviation waypoint by searching for an alphanumeric identifier.

1 Hold .
2 Select **Search by Ident.**.
3 Enter all or part of the alphanumeric identifier.
4 Select ✓.
A list of matching waypoints appears.
5 Select the waypoint.
6 Press **START** to begin navigation.

Stopping Navigation

Hold **MENU**, and select **Stop Navigation**.

Enabling Emergency Mode

⚠ WARNING

This feature is only designed for use in the unlikely event of a full aircraft system failure. Do not use this feature as a primary means of navigation.

This feature is for informational purposes only and does not engage your aircraft's autopilot when activated or otherwise operate your aircraft. You are still responsible for the safe and prudent operation of your aircraft.

When activated, this feature provides guidance to the nearest airport. Such guidance is for informational purposes only and does not guarantee that the airport provided is suitable for the landing of your aircraft. You must still use good piloting judgment in safely operating and landing your aircraft.

You can activate emergency mode on your watch to see the direction to your nearest airport and glide information.

1. Hold until your nearest airport appears.
2. Press **UP** or **DOWN** to scroll through other nearby airports.
3. Press **LIGHT** to view the airport information.
4. Follow the pointer to the airport.

   NOTE: When you are within 10 degrees of the correct track, the pointer turns green.
5. If necessary, pair your watch with your inReach® device (*Using the inReach Remote*, page 104).
6. Hold **START** to initiate an SOS rescue with your inReach device.

   The SOS countdown begins, and the inReach device sends a default message to the Garmin® International Emergency Response Coordination Center (IERCC) with details about your location.

   NOTE: You can use the inReach device to reply to the IERCC. You can hold START on your watch to cancel the SOS request. See the owner's manual for your inReach device for more information.
7. Press **BACK** to stop the activity.

Viewing Waypoint Information

You can view information about a location from the list of nearest airports, list of navigational aids, or list of aviation waypoints.

1. Find a waypoint (*Finding a Waypoint*, page 15).
2. Select an option:

   NOTE: Options vary by the selected waypoint type.
   - To navigate directly to the selected location, select **Direct-To**.
   - To download the NEXRAD weather radar image associated with the selected location, select **NEXRAD** (*Viewing NEXRAD Weather Radar*, page 9).
   - To show the waypoint on the map, select **Show Map**.
   - To view METAR, TAF, and MOS information, select **Airport Info** and select the airport.

     NOTE: MOS information is available for United States airports only.
   - To show radio frequencies, select **Airport Info** > **Frequencies**.
   - To show runway information, such as the runway length and surface material, select **Airport Info** > **Runway Info**.
   - To view general information, such as the distance and bearing from your current location, select **General Info** or **Airport Info** > **Airport Info**.
   - To show weather information, select **Weather**.

Horizontal Situation Indicator

⚠ WARNING

This watch is not intended to provide primary flight information and is to be used for supplemental purposes only.

1	Airport identifier and distance to the current destination.
2	Course deviation indicator (CDI). Indicates the location of the desired course line in relation to your location.
3	To-and-from indicator. Indicates whether you are headed toward or away from the waypoint.
4	Configurable course deviation distance scale.
5	Course deviation distance. The dots indicate your distance off course.
6	Bearing to the nearest airport.
7	Estimated time en route (ETE).

Routes and Flight Plans

A route is a sequence of waypoints or locations that leads you to your final destination. Flight plans are routes that use direct routing optimized for aviation. You can create flight plans on your watch or by using the Garmin Pilot™ app for mobile devices.

Finding a Waypoint

1. From the watch face, press **START**.
2. Select **Fly**.
3. Hold **MENU**.
4. Select **Navigation** > **Flight Planning** > **Find Waypoint**.
5. Select an option:
   - To find a waypoint by name, select **Search by Ident.**.
   - To select from a list of the nearest airports, select **Nearest Airports**.
   - To select from a list of the nearest navigational aids, select **Nearest Navaids**.
   - To select from a list of the nearest intersections, select **Nearest Intersection**.
6. Select a location.
7. If necessary, select an option to view additional waypoint details (*Viewing Waypoint Information*, page 13).

Creating a Flight Plan on Your Watch

1. From the watch face, press **START**.
2. Select **Fly**.
3. Hold **MENU**.
4. Select **Navigation** > **Flight Planning** > **Saved Plans** > **Create New**.
5. Enter the name of the flight plan.
6. Select ✔.
7. Select **Add Location**.
8. Select a location type.
9. Select the first point on the route.
10. Repeat steps 7 through 9 until the route is complete.
11. Select **Done** to save the route.

Following a Flight Plan

1. From the watch face, press **START**.
2. Select **Fly**.
3. Hold **MENU**.
4. Select **Navigation** > **Flight Planning** > **Saved Plans**.
5. Select a flight plan.
6. Select **Set Active** to begin following the flight plan.

Viewing a Flight Plan on the Map

1. From the watch face, press **START**.
2. Select **Fly**.
3. Hold **MENU**.
4. Select **Navigation** > **Flight Planning** > **Saved Plans**.
5. Select a flight plan.
6. Select **Map**.

Reversing and Following a Flight Plan

1. From the watch face, press **START**.
2. Select **Fly**.
3. Hold **MENU**.
4. Select **Navigation** > **Flight Planning** > **Saved Plans**.
5. Select a flight plan.
6. Select **Invert and Save Copy** to reverse the route and save it as a copy of the original flight plan.
7. Select the copy of the flight plan.
8. Select **Set Active** to begin following the flight plan.

Editing a Flight Plan

1. From the watch face, press **START**.
2. Select **Fly**.
3. Hold **MENU**.
4. Select **Navigation** > **Flight Planning** > **Saved Plans**.
5. Select a flight plan.
6. Select **Edit**.
7. Select an option:
   - To view detailed information about a location, select a location, and select **Details**.
   - To change the order of a location on the route, select a location, and select **Move Up** or **Move Down**.
   - To edit the name of a location, select a location, and select **Name**.
   - To remove a location from the route, select a location, and select **Remove**.
   - To add a location to the route, select **Add Location**.

Deleting a Flight Plan

1. From the watch face, press **START**.
2. Select **Fly**.
3. Hold **MENU**.
4. Select **Navigation** > **Flight Planning** > **Saved Plans**.
5. Select a flight plan.
6. Select **Delete** > **Yes**.

Aviation Settings

⚠ WARNING

This watch is not intended to provide primary flight information and is to be used for supplemental purposes only.

Hold **MENU**, and select **Aviation**.

Aviation Units: Sets the units of measure used for aviation data.

Favorite Location: Sets your favorite airport (*Selecting a Favorite Airport*, page 17).

METAR Raw: Sets the METAR information to display in undecoded text.

Flt. Condition Colors: Sets the flight condition colors to a standard or classic color scheme.

Weather Download: Sets the download limit for aviation weather data. The Minimal option limits downloads to your favorite airports to improve battery life. The Medium option limits downloads to your favorite and nearest airports. The Maximum option downloads full METAR data, and may reduce battery life.

Airport Options: Sets the airport options that appear when searching for airports. For example, you can set the minimum runway length and surface material, and indicate whether private airports and heliports are displayed in search results.

Ownship: Sets the aircraft type to helicopter or plane.

Altimeter Settings: Allows you to customize the altimeter settings, set an altitude alert, or manually set the barometric pressure (*Altimeter Settings*, page 97).

NEXRAD Tiles: Allows you to display a single patch of NEXRAD data, or display additional NEXRAD data patches based on a direction from your current location.

NEXRAD Vibe: Sets the device to vibrate when a NEXRAD patch download completes.

Alerts: Allows you to set aviation alerts (*Setting Aviation Alerts*, page 5).

Clear Weather Cache: Deletes all downloaded aviation weather data and initiates a new download to refresh the data.

Selecting a Favorite Airport

When you select a favorite airport, you can view the waypoint and METAR information for it on the default watch face and aviation glances.

1. Hold **MENU**.
2. Select **Aviation** > **Favorite Location**.
3. Select an option:
   - To search for an airport by its identifier, select **Search by Ident.** and enter all or part of the alphanumeric identifier.
   - To search for an airport near you, select **Nearest**, and wait while the watch locates satellites.
   - To select an airport from your flight plan, select **Flight Plan**.

   A list of airports appears.
4. Select an airport.

Activities and Apps

Your watch can be used for indoor, outdoor, athletic, and fitness activities. When you start an activity, the watch displays and records sensor data. You can create custom activities or new activities based on default activities (*Creating a Custom Activity*, page 48). When you finish your activities, you can save and share them with the Garmin Connect™ community.

You can also add Connect IQ™ activities and apps to your watch using the Connect IQ app (*Connect IQ Features*, page 117).

For more information about activity tracking and fitness metric accuracy, go to garmin.com/ataccuracy.

Starting an Activity

When you start an activity, GPS turns on automatically (if required).

1. From the watch face, press **START**.
2. Select an option:
   - Select an activity from your favorites.
   - Select , and select an activity from the extended activity list.
3. If the activity requires GPS signals, go outside to an area with a clear view of the sky, and wait until the watch is ready.

   The watch is ready after it establishes your heart rate, acquires GPS signals (if required), and connects to your wireless sensors (if required).
4. Press **START** to start the activity timer.

   The watch records activity data only while the activity timer is running.

Tips for Recording Activities

- Charge the watch before starting an activity (*Charging the Device*, page 141).
- Press **LAP** to record laps, start a new set or pose, or advance to the next workout step.

  You can select to discard a lap for certain activities (*How can I undo a lap button press?*, page 148).
- Press **UP** or **DOWN** to view additional data screens.
- Swipe up or down to view additional data screens (*Enabling and Disabling the Touchscreen*, page 2).
- Hold **MENU**, and select **Power Mode** to use a power mode to extend battery life (*Customizing Power Modes*, page 136).

GPS Status and Status Icons

For outdoor activities, the status bar turns green when GPS is ready. A flashing icon means the watch is searching for a signal. A solid icon means the signal was found or the sensor is connected.

GPS	GPS status
	Battery status
	Phone connection status
	Wi-Fi® technology status
	LiveTrack status
	GroupTrack status
	Heart rate status
	Running Dynamics Pod status
	Speed and cadence sensor status
	Bike lights status
	Bike radar status
	Extended display mode status
	Smart trainer status
	Power meter status
	tempe™ sensor status

Stopping an Activity

1 Press **STOP**.
2 Select an option:
- To resume your activity, select **Resume**.
- To save the activity and view the details, select **Save**, press **START**, and select an option.
  NOTE: After you save the activity, you can enter self-evaluation data (*Evaluating an Activity*, page 20).
- To suspend your activity and resume it at a later time, select **Resume Later**.
- To mark a lap, select **Lap**.
  You can select ↶ to discard a lap for certain activities (*How can I undo a lap button press?*, page 148).
- To navigate back to the starting point of your activity along the path you traveled, select **Back to Start** > **TracBack**.
  NOTE: This feature is available only for activities that use GPS.
- To navigate back to the starting point of your activity by the most direct path, select **Back to Start** > **Route**.
  NOTE: This feature is available only for activities that use GPS.
- To measure the difference between your heart rate at the end of the activity and your heart rate two minutes later, select **Recovery HR**, and wait while the timer counts down (*Recovery Heart Rate*, page 83).
- To discard the activity, select **Discard**.

NOTE: After stopping the activity, the watch saves it automatically after 30 minutes.

Evaluating an Activity

NOTE: This feature is not available for all activities.

You can customize the self-evaluation setting for certain activities (*Activities and App Settings*, page 49).

1 After you complete an activity, select **Save** (*Stopping an Activity*, page 20).
2 Select a number that corresponds with your perceived effort.
  NOTE: You can select » to skip the self evaluation.
3 Select how you felt during the activity.

You can view evaluations in the Garmin Connect app.

Running

Going for a Track Run

Before you go for a track run, make sure you are running on a standard-shape, 400 m track.

You can use the track run activity to record your outdoor track data, including distance in meters and lap splits.

1 Stand on the outdoor track.
2 From the watch face, press **START**.
3 Select **Track Run**.
4 Wait while the watch locates satellites.
5 If you are running in lane 1, skip to step 11.
6 Press **MENU**.
7 Select the activity settings.
8 Select **Lane Number**.
9 Select a lane number.
10 Press **BACK** twice to return to the activity timer.
11 Press **START**.
12 Run around the track.
  After you run 3 laps, your watch records the track dimensions and calibrates your track distance.
13 After you complete your activity, press **STOP**, and select **Save**.

Tips for Recording a Track Run

- Wait until the watch acquires satellite signals before starting a track run.
- During your first run on an unfamiliar track, run four laps to calibrate your track distance.
  You should run slightly past your starting point to complete the lap.
- Run each lap in the same lane.
  NOTE: The default Auto Lap® distance is 1600 m, or four laps around the track.
- If you are running in a lane other than lane 1, set the lane number in the activity settings.

Going for a Virtual Run

You can pair your watch with a compatible third-party app to transmit pace, heart rate, or cadence data.

1. From the watch face, press **START**.
2. Select **Virtual Run**.
3. On your tablet, laptop, or phone, open the Zwift™ app or another virtual training app.
4. Follow the on-screen instructions to start a running activity and pair the devices.
5. Press **START** to start the activity timer.
6. After you complete your activity, press **STOP**, and select **Save**.

Calibrating the Treadmill Distance

To record more accurate distances for your treadmill runs, you can calibrate the treadmill distance after you run at least 2.4 km (1.5 mi.) on a treadmill. If you use different treadmills, you can manually calibrate the treadmill distance on each treadmill or after each run.

1. Start a treadmill activity (*Starting an Activity*, page 18).
2. Run on the treadmill until your watch records at least 2.4 km (1.5 mi.).
3. After you finish the activity, press **STOP** to stop the activity timer.
4. Select an option:
   - To calibrate the treadmill distance the first time, select **Save**.
     The device prompts you to complete the treadmill calibration.
   - To manually calibrate the treadmill distance after the first-time calibration, select **Calibrate & Save** > **Yes**.
5. Check the treadmill display for the distance traveled, and enter the distance on your watch.

Recording an Ultra Run Activity

1. From the watch face, press **START**.
2. Select **Ultra Run**.
3. Press **START** to start the activity timer.
4. Start running.
5. Press **LAP** to record a lap and start the rest timer.
   NOTE: You can configure the Lap Key setting to record a lap and start the rest timer, start the rest timer only, or record a lap only (*Activities and App Settings*, page 49).
6. When you are done resting, press **LAP** to resume running.
7. Press **UP** or **DOWN** to view additional data pages (optional).
8. After you complete your activity, press **STOP**, and select **Save**.

Ultra Run Auto Rest Settings

You can customize the options for automatically starting and stopping the rest timer for the Ultra Run activity.

Status: Enables automatically recording rest splits.

Rest Start: Automatically starts the rest timer when you stop running. You can use the Manual Only option to start the rest timer only when you press LAP.

Rest End: Sets the pace required to end a rest split.

Minimum Time: Sets the amount of time before a rest split starts or ends.

Lap Key: Sets the LAP button to record a lap and start the rest timer, start the rest timer only, or record a lap only.

Recording an Obstacle Racing Activity

When you participate in an obstacle course race, you can use the Obstacle Racing activity to record your time on each obstacle and your time running between obstacles.

1. From the watch face, press **START**.
2. Select **Obstacle Racing**.
3. Press **START** to start the activity timer.
4. Press **LAP** to manually mark the beginning and end of each obstacle.

   NOTE: You can configure the Obstacle Tracking setting to save obstacle locations from your first loop of the course. On repeat loops of the course, the watch uses the saved locations to switch between obstacle and running intervals.
5. After you complete your activity, press **STOP**, and select **Save**.

Swimming

NOTICE

The device is intended for surface swimming. Scuba diving with the device may damage the product and will void the warranty.

NOTE: The watch has wrist-based heart rate enabled for swim activities. The watch is also compatible with chest heart rate monitors, such as the HRM-Pro™ series accessories. If both wrist-based heart rate and chest heart rate data are available, your watch uses the chest heart rate data.

Swim Terminology

Length: One trip down the pool.

Interval: One or more consecutive lengths. A new interval starts after a rest.

Stroke: A stroke is counted every time your arm wearing the watch completes a full cycle.

Swolf: Your swolf score is the sum of the time for one pool length and the number of strokes for that length. For example, 30 seconds plus 15 strokes equals a swolf score of 45. For open water swimming, swolf is calculated over 25 meters. Swolf is a measurement of swimming efficiency and, like golf, a lower score is better.

Critical swim speed (CSS): Your CSS is the theoretical speed that you can maintain continuously without exhaustion. You can use your CSS to guide your training pace and monitor your improvement.

Stroke Types

Stroke type identification is available only for pool swimming. Your stroke type is identified at the end of a length. Stroke types appear in your swimming history and in your Garmin Connect account. You can also select stroke type as a custom data field (*Customizing the Data Screens*, page 48).

Free	Freestyle
Back	Backstroke
Breast	Breaststroke
Fly	Butterfly
Mixed	More than one stroke type in an interval
Drill	Used with drill logging (*Training with the Drill Log*, page 24)

Tips for Swimming Activities

- Press **LAP** to record an interval during open water swimming.
- Before starting a pool swimming activity, follow the on-screen instructions to select your pool size or enter a custom size.

  The watch measures and records distance by completed pool lengths. The pool size must be correct to display accurate distance. The next time you start a pool swimming activity, the watch uses this pool size. You can hold **MENU**, select the activity settings, and select **Pool Size** to change the size.
- For accurate results, swim the entire pool length, and use one stroke type for the entire length. Pause the activity timer when resting.
- Press **LAP** to record a rest during pool swimming (*Swim Auto Rest and Manual Rest*, page 23).

  The watch automatically records swim intervals and lengths for pool swimming.
- To help the watch count your lengths, use a strong push off the wall and glide before your first stroke.
- When doing drills, you must either pause the activity timer or use the drill logging feature (*Training with the Drill Log*, page 24).

Swim Auto Rest and Manual Rest

The auto rest feature is available only for pool swimming. Your watch automatically detects when you are resting, and the rest screen appears. If you rest for more than 15 seconds, the watch automatically creates a rest interval. When you resume swimming, the watch automatically starts a new swim interval.

TIP: For best results using the auto rest feature, minimize your arm motions while resting.

To use manual rests instead, you can turn off the auto rest feature in the activity options (*Activities and App Settings*, page 49). During a pool or open water swim activity, you can manually mark a rest interval by pressing LAP. Swim data is not recorded during a rest interval.

TIP: Use manual rests if you are taking short rests or you want very precise swim interval timing.

Training with the Drill Log

The drill log feature is available only for pool swimming. You can use the drill log feature to manually record kick sets, one-arm swimming, or any type of swimming that is not one of the four major strokes.

1. During your pool swim activity, press **UP** or **DOWN** to view the drill log screen.
2. Press **LAP** to start the drill timer.
3. After you complete a drill interval, press **LAP**.

   The drill timer stops, but the activity timer continues to record the entire swim session.
4. Select a distance for the completed drill.

   Distance increments are based on the pool size selected for the activity profile.
5. Select an option:
   - To start another drill interval, press **LAP**.
   - To start a swim interval, press **UP** or **DOWN** to return to the swim training screens.

Multisport

Triathletes, duathletes, and other multisport competitors can take advantage of the multisport activities, such as Triathlon or Swimrun. During a multisport activity, you can transition between activities and continue to view your total time. For example, you can switch from biking to running and view your total time for biking and running throughout the multisport activity.

You can customize a multisport activity, or you can use the default triathlon activity set up for a standard triathlon.

Triathlon Training

When you participate in a triathlon, you can use the triathlon activity to quickly transition to each sport segment, to time each segment, and to save the activity.

1. From the watch face, press **START**.
2. Select **Triathlon**.
3. Press **START** to start the activity timer.

   NOTE: Auto Sport Change is the default setting for multisport activities (*Activities and App Settings*, page 49).
4. If necessary, press **LAP** at the beginning and end of each transition (*How can I undo a lap button press?*, page 148).

   The transition feature is on by default, and the transition time is recorded separately from the activity time. The transition feature can be turned on or off in the triathlon activity settings. If transitions are turned off, press LAP to change sports.
5. After you complete your activity, press **STOP**, and select **Save**.

Creating a Multisport Activity

1. From the watch face, press **START**.
2. Select **Add** > **Multisport**.
3. Select a multisport activity type, or enter a custom name.

   Duplicate activity names include a number. For example, Triathlon(2).
4. Select two or more activities.
5. Select an option:
   - Select an option to customize specific activity settings. For example, you can select whether to include transitions.
   - Select **Done** to save and use the multisport activity.
6. Select **Yes** to add the activity to your list of favorites.

Indoor Activities

The watch can be used for training indoors, such as running on an indoor track or using a stationary bike or indoor trainer. GPS is turned off for indoor activities (*Activities and App Settings*, page 49).

When running or walking with GPS turned off, speed and distance are calculated using the accelerometer in the watch. The accelerometer is self-calibrating. The accuracy of the speed and distance data improves after a few outdoor runs or walks using GPS.

TIP: Holding the handrails of the treadmill reduces accuracy.

When cycling with GPS turned off, speed and distance data are not available unless you have an optional sensor that sends speed and distance data to the watch, such as a speed or cadence sensor.

Health Snapshot™

The Health Snapshot feature records several key health metrics while you hold still for two minutes. It provides a glimpse of your overall cardiovascular status. The watch records metrics such as your average heart rate, stress level, and respiration rate. You can add the Health Snapshot feature to the list of your favorite apps (*Activities and App Settings*, page 49).

Recording a Strength Training Activity

You can record sets during a strength training activity. A set is multiple repetitions (reps) of a single move.

1. From the watch face, press **START**.
2. Select **Strength**.
3. Select a workout.
4. Press **DOWN** to view a list of workout steps (optional).

   TIP: While viewing workout steps, you can press START and then press DOWN to view an animation of the selected exercise, if available.
5. When you have finished viewing the workout steps, press **START**, and select **Do Workout**.
6. Press **START**, and select **Start Workout**.
7. Start your first set.

   The watch counts your reps. Your rep count appears when you complete at least four reps.

   TIP: The watch can only count reps of a single move for each set. When you want to change moves, you should finish the set and start a new one.
8. Press **LAP** to finish the set and move to the next exercise, if available.

   The watch displays the total reps for the set.
9. If necessary, press **UP** or **DOWN** to edit the number of reps.

   TIP: You can also add the weight used for the set.
10. If necessary, press **LAP** when you are done resting to start your next set.
11. Repeat for each strength training set until your activity is complete.
12. After your last set, press **START**, and select **Stop Workout**.
13. Select **Save**.

Recording a HIIT Activity

You can use specialized timers to record a high-intensity interval training (HIIT) activity.

1. From the watch face, press **START**.
2. Select **HIIT**.
3. Select an option:
   - Select **Free** to record an open, unstructured HIIT activity.
   - Select **HIIT Timers** > **AMRAP** to record as many rounds as possible during a set time period.
   - Select **HIIT Timers** > **EMOM** to record a set number of moves every minute on the minute.
   - Select **HIIT Timers** > **Tabata** to alternate between 20-second intervals of maximum effort with 10 seconds of rest.
   - Select **HIIT Timers** > **Custom** to set your move time, rest time, number of moves, and number of rounds.
   - Select **Workouts** to follow a saved workout.
4. If necessary, follow the on-screen instructions.
5. Press **START** to start your first round.

   The watch displays a countdown timer and your current heart rate.
6. If necessary, press **LAP** to manually move to the next round or rest.
7. After you finish the activity, press **STOP** to stop the activity timer.
8. Select **Save**.

Using an Indoor Trainer

Before you can use a compatible indoor trainer, you must pair the trainer with your watch using ANT+® technology (*Pairing Your Wireless Sensors*, page 101).

You can use your watch with an indoor trainer to simulate resistance while following a course, ride, or workout. While using an indoor trainer, GPS is turned off automatically.

1. From the watch face, press **START**.
2. Select **Bike Indoor**.
3. Hold **MENU**.
4. Select **Smart Trainer Options**.
5. Select an option:
   - Select **Free Ride** to go for a ride.
   - Select **Follow Workout** to follow a saved workout (*Workouts*, page 56).
   - Select **Follow Course** to follow a saved course (*Courses*, page 132).
   - Select **Set Power** to set the target power value.
   - Select **Set Grade** to set the simulated grade value.
   - Select **Set Resistance** to set the resistance force applied by the trainer.
6. Press **START** to start the activity timer.

   The trainer increases or decreases resistance based on the elevation information in the course or ride.

Gaming

Using the Garmin GameOn™ App

When you pair your watch with your computer, you can record a gaming activity on your watch and view real-time performance metrics on your computer.

1. On your computer, go to www.overwolf.com/app/Garmin-Garmin_GameOn and download the Garmin GameOn app.
2. Follow the on-screen instructions to complete the installation.
3. Launch the Garmin GameOn app.
4. When the Garmin GameOn app prompts you to pair your watch, press **START**, and select **Gaming** on your watch.

   NOTE: While your watch is connected to the Garmin GameOn app, notifications and other Bluetooth® features are disabled on the watch.
5. Select **Pair Now**.
6. Select your watch from the list, and follow the on-screen instructions.

   TIP: You can click ☰ > **Settings** to customize your settings, reread the tutorial, or remove a watch. The Garmin GameOn app remembers your watch and settings the next time you open the app. If necessary, you can pair your watch to another computer (*Pairing Your Wireless Sensors*, page 101).
7. Select an option:
   - On your computer, start a supported game to automatically start the gaming activity.
   - On your watch, start a manual gaming activity (*Recording a Manual Gaming Activity*, page 27).

   The Garmin GameOn app shows your real-time performance metrics. When you complete your activity, the Garmin GameOn app displays your gaming activity summary and match information.

Recording a Manual Gaming Activity

You can record a gaming activity on your watch and manually enter stats for each match.

1. From the watch face, press **START**.
2. Select **Gaming**.
3. Press **DOWN**, and select a game type.
4. Press **START** to start the activity timer.
5. Press **LAP** at the end of the match to record your match result or placement.
6. Press **LAP** to start a new match.
7. After you complete your activity, press **STOP**, and select **Save**.

Climbing Sports

Recording an Indoor Climbing Activity

You can record routes during an indoor climbing activity. A route is a climbing path along an indoor rock wall.

1. From the watch face, press **START**.
2. Select **Climb Indoor**.
3. Select **Yes** to record route statistics.
4. Select a grading system.

   NOTE: The next time you start an indoor climbing activity, the device uses this grading system. You can hold MENU, select the activity settings, and select Grading System to change the system.
5. Select the difficulty level for the route.
6. Press **START**.
7. Start your first route.

   NOTE: When the route timer is running, the device automatically locks the buttons to prevent accidental button presses. You can hold any button to unlock the watch.
8. When you finish the route, descend to the ground.

   The rest timer starts automatically when you are on the ground.

   NOTE: If necessary, you can press LAP to finish the route.
9. Select an option:
   - To save a successful route, select **Completed**.
   - To save an unsuccessful route, select **Attempted**.
   - To delete the route, select **Discard**.
10. Enter the number of falls for the route.
11. When you are done resting, press **LAP** and begin your next route.
12. Repeat this process for each route until your activity is complete.
13. Press **STOP**.
14. Select **Save**.

Recording a Bouldering Activity

You can record routes during a bouldering activity. A route is a climbing path along a boulder or small rock formation.

1. From the watch face, press **START**.
2. Select **Bouldering**.
3. Select a grading system.

   NOTE: The next time you start a bouldering activity, the watch uses this grading system. You can hold MENU, select the activity settings, and select Grading System to change the system.
4. Select the difficulty level for the route.
5. Press **START** to start the route timer.
6. Start your first route.
7. Press **LAP** to finish the route.
8. Select an option:
   - To save a successful route, select **Completed**.
   - To save an unsuccessful route, select **Attempted**.
   - To delete the route, select **Discard**.
9. When you are done resting, press **LAP** to start your next route.
10. Repeat this process for each route until your activity is complete.
11. After your last route, press **STOP** to stop the route timer.
12. Select **Save**.

Starting an Expedition

You can use the **Expedition** app to prolong the battery life while recording a multi-day activity.

1. From the watch face, press **START**.
2. Select **Expedition**.
3. Press **START** to start the activity timer.

   The device enters low power mode and collects GPS track points once an hour. To maximize battery life, the device turns off all sensors and accessories, including the connection to your smartphone.

Recording a Track Point Manually

During an expedition, track points are recorded automatically based on the selected recording interval. You can manually record a track point at any time.

1. During an expedition, press **START**.
2. Select **Add Point**.

Viewing Track Points

1. During an expedition, press **START**.
2. Select **View Points**.
3. Select a track point from the list.
4. Select an option:
   - To start navigating to the track point, select **Go To**.
   - To view detailed information about the track point, select **Details**.

Going Hunting

You can save locations relevant to your hunt and view a map of saved locations. During a hunting activity, the device uses a GNSS mode that conserves battery life.

1. From the watch face, press **START**.
2. Select **Hunt**.
3. Press **START**, and select **Start Hunt**.
4. Press **START**, and select an option:
   - To navigate back to the starting point of your activity, select **Back to Start**, and select an option.
   - To save your current location, select **Save Location**.
   - To view locations saved during this hunt activity, select **Hunt Locations**.
   - To view all previously saved locations, select **Saved Locations**.
   - To navigate to a destination, select **Navigation**, and select an option.
5. After you complete your hunt, press **STOP**, and select **End Hunt**.

Marine Activities

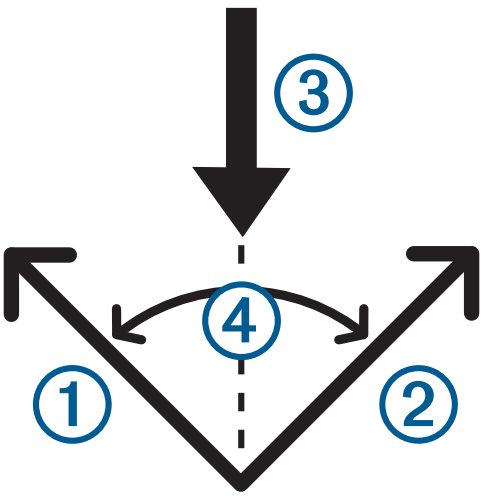
Sailing

Tack Assist

⚠ CAUTION

The watch uses GPS-based course over ground to determine your course in the tack assist feature, and does not account for other factors that can affect your boat's direction, such as currents and tides. You are responsible for the safe and prudent operation of your vessel.

While cruising or racing into the wind, the tack assist feature can help you determine if your boat is being lifted or headed. When you calibrate tack assist, the watch captures your boat's port ① and starboard ② course over ground (COG) measurements, and uses the COG data to calculate the mean true wind direction ③ and the boat's tack angle ④.



The watch uses this data to determine whether your boat is being lifted or headed due to wind shifts.

By default, the tack assist feature is set to automatic. Each time you calibrate the port or starboard COG, the watch recalibrates the opposite side and true wind direction. You can change the tack assist settings to enter a fixed tack angle or true wind direction.

Calibrating the Tack Assist

1. From the watch face, select **START**.
2. Select **Sail Race** or **Sail**.
3. Select **UP** or **DOWN** to view the tack assist screen.

   NOTE: You may need to add the tack assist screen to the data screens for the activity (*Customizing the Data Screens*, page 48).
4. Select **START**.
5. Select an option:
   - To calibrate the starboard side, select **START**.
   - To calibrate the port side, select **DOWN**.

   TIP: If the wind is coming from the starboard side of the vessel, you should calibrate starboard. If the wind is coming from the port side of the vessel, you should calibrate port.
6. Wait while the device calibrates the tack assist.

   An arrow appears and indicates if your boat is being lifted or headed.

Entering a Fixed Tack Angle

1. From the watch face, press **START**.
2. Select **Sail Race** or **Sail**.
3. Press **UP** or **DOWN** to view the tack assist screen.
4. Hold **MENU**.
5. Select **Tack Angle** > **Angle**.
6. Press **UP** or **DOWN** to set the value.

Entering a True Wind Direction

1. From the watch face, press **START**.
2. Select **Sail Race** or **Sail**.
3. Press **UP** or **DOWN** to view the tack assist screen.
4. Hold **MENU**.
5. Select **True Wind Direction** > **Fixed**.
6. Press **UP** or **DOWN** to set the value.

Tips for Getting the Best Lift Estimate

To get the best lift estimate when using the tack assist feature, you can try these tips. See *Entering a True Wind Direction*, page 31 and *Calibrating the Tack Assist*, page 31 for more information.

- Enter a fixed tack angle, and calibrate the port side.
- Enter a fixed tack angle, and calibrate the starboard side.
- Reset the tack angle, and calibrate both the port and starboard side.

Sail Racing

You can use the device to help you cross the start line of a race exactly when the race begins. When you synchronize the regatta timer in the sail racing app with the official race countdown timer, you are alerted at one-minute intervals as the race start approaches. When you set the starting line, the device uses GPS data to indicate whether your boat will cross the start line before, after, or at the correct time to start the race.

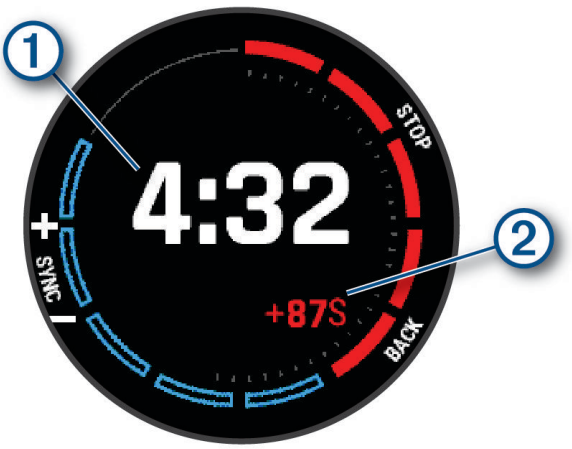
Setting the Starting Line

1 From the watch face, press **START**.
2 Select **Sail Race**.
3 Wait while the device locates satellites.
4 Hold **MENU**.
5 Select **Start Line Settings**.
6 Select an option:
   - Select **Mark Port** to mark the port starting line mark as you sail past it.
   - Select **Mark Starboard** to mark the starboard starting line mark as you sail past it.
   - Select **Time to Burn** to enable or disable the time to burn data on the regatta timer data screen.
   - Select **Distance to Start** to set the distance to the start line, preferred distance units, and length of your boat.

Starting a Race

Before you can view the time to burn, you must set the starting line (*Setting the Starting Line*, page 32).

1 From the watch face, press **START**.
2 Select **Sail Race**.
3 Wait while the watch locates satellites.
   The screen displays the regatta timer ① and time to burn ②.



4 If necessary, hold **MENU**, and select an option:
   - To set a fixed timer, select **Regatta Time** > **Fixed**, and enter a length of time.
   - To set a start time within the next 24 hours, select **Regatta Time** > **GPS**, and enter a time of day.
5 Press **START**.
6 Press **UP** and **DOWN** to synchronize the regatta timer with the official race countdown.
   NOTE: When the burn time is negative, you will arrive at the start line after the race starts. When the burn time is positive, you will arrive at the start line before the race starts.
7 Press **START** to start the activity timer.

Water Sports

Viewing Your Water Sport Runs

NOTE: This feature is not available for all water sport activity types.

Your watch records the details of each water sport run using the auto run feature. This feature automatically records new runs based on your movement. The activity timer pauses when you stop moving. The activity timer starts automatically when your movement speed increases. You can view run details from the paused screen or while the activity timer is running.

1. Start a water sport activity.
2. Hold **MENU**.
3. Select **View Runs**.
4. Press **UP** and **DOWN** to view details of your last run, your current run, and your total runs.

   The run screens include time, distance traveled, maximum speed, and average speed.

Fishing

Going Fishing

1. From the watch face, press **START**.
2. Select **Fish**.
3. Press **START** > **Start Fish**.
4. Press **START**, and select an option:
   - To add the catch to your fish count and save the location, select **Log Catch**.
   - To save your current location, select **Save Location**.
   - To set an interval timer, end time, or end time reminder for the activity, select **Fish Timers**.
   - To navigate back to the starting point of your activity, select **Back to Start**, and select an option.
   - To view your saved locations, select **Saved Locations**.
   - To navigate to a destination, select **Navigation**, and select an option.
   - To edit the activity settings, select **Settings**, and select an option (*Activities and App Settings*, page 49).
5. After you complete your activity, press **STOP**, and select **End Fish**.

Tides

Viewing Tide Information

⚠ WARNING

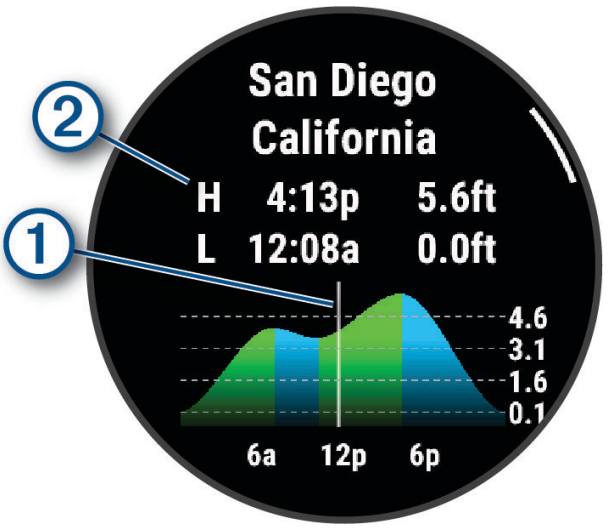
Tide information is for information purposes only. It is your responsibility to heed all posted water-related guidance, to remain aware of your surroundings, and to use safe judgment in, on, and around the water at all times. Failure to heed this warning could result in serious personal injury or death.

You can view information about a tide station, including the tide height and when the next high and low tides will occur. You can save up to ten tide stations.

1. From the watch face, press **START**.
2. Select **Tides**.

3 Select an option:
   - To use your current location when you are near a tide station, select **Add** > **Current Location**.
   - To select a location on the map, select **Add** > **Use Map**.
   - To enter the name of a city, select **Add** > **City Search**.
   - To select a saved location, select **Add** > **Saved Locations**.
   - To enter coordinates for a location, select **Add** > **Coordinates**.

   A 24-hour tide chart appears for the current date with the current tide height ① and information about the next high and low tides ②.



4 Press **DOWN** to see tide information for upcoming days.
5 Press **START**, and select **Set as Favorite** to set this location as your favorite tide station.
   Your favorite tide station appears at the top of the list in the app and in the glance.

Setting a Tide Alert

1 From the **Tides** app, select a saved tide station.
2 Press **START**, and select **Set Alerts**.
3 Select an option:
   - To set an alarm to sound before the peak tide, select **Til High Tide**.
   - To set an alarm to sound before the low tide, select **Til Low Tide**.

Anchor

⚠ WARNING

The anchor feature is a tool for situational awareness only and may not prevent groundings or collisions in all circumstances. You are responsible for the safe and prudent operation of your vessel, for remaining aware of your surroundings, and for using safe judgment on the water at all times. Failure to heed this warning could result in property damage, serious personal injury, or death.

Marking Your Anchor Location

1 From the watch face, press **START**.
2 Select **Anchor**.
3 Wait while the watch locates satellites.
4 Press **START**, and select **Drop Anchor**.

Anchor Settings

From the watch face, press **START**, select **Anchor**, hold **MENU**, and select the activity settings.

Drift Radius: Sets the allowable drift distance while anchored.

Update Interval: Sets the time interval for updating anchor data.

Anchor Alarm: Allows you to enable or disable an alarm for when the boat moves beyond the drift radius.

Anchor Alarm Duration: Allows you to set the anchor alarm duration. When the anchor alarm is enabled, an alert appears each time the boat moves beyond the drift radius during the specified alarm duration.

Trolling Motor Remote

Pairing Your Watch and Trolling Motor

You can pair your watch with a Garmin trolling motor and use it as a remote control. For more information about using a remote control, see your trolling motor owner's manual.

1. Turn on the trolling motor.
2. Bring the watch within 1 m (3 ft.) of the display panel on the trolling motor.
3. On the watch, press **START**, and select **Trolling Motor**.

   TIP: If necessary, you can pair your watch with another trolling motor (*Pairing Your Wireless Sensors*, page 101).
4. On the trolling motor display panel, press ⏻ three times to enter pairing mode.

   🔁 on the trolling motor display panel illuminates blue as it searches for a connection.
5. On the watch, press **START** to enter pairing mode.
6. Verify that the passkey shown on your trolling motor remote control matches your watch.
7. On the watch, press **START** to confirm the passkey.
8. On the trolling motor remote control, press ▶ to confirm the passkey.

   🔁 on the trolling motor display panel illuminates green when the connection to your watch is successful.

Skiing and Winter Sports

You can add skiing and snowboarding activities to your activity list (*Customizing Activities and Apps*, page 47). You can customize the data screens for each activity (*Customizing the Data Screens*, page 48).

Viewing Your Ski Runs

Your watch records the details of each downhill skiing or snowboarding run using the auto run feature. This feature is turned on by default for downhill skiing and snowboarding. It automatically records new ski runs when you start moving down hill.

1. Start a skiing or snowboarding activity.
2. Hold **MENU**.
3. Select **View Runs**.
4. Press **UP** and **DOWN** to view details of your last run, your current run, and your total runs.

   The run screens include time, distance traveled, maximum speed, average speed, and total descent.

Recording a Backcountry Skiing or Snowboarding Activity

The backcountry skiing or snowboarding activity lets you switch between climbing and descending tracking modes so you can accurately track your statistics. You can customize the Mode Tracking setting to automatically or manually switch tracking modes (*Activities and App Settings*, page 49).

1. From the watch face, press **START**.
2. Select **Backcountry Ski** or **Backcountry Snowboard**.
3. Select an option:
   - If you are starting your activity on a climb, select **Climbing**.
   - If you are starting your activity moving downhill, select **Descending**.
4. Press **START** to start the activity timer.
5. If necessary, press **LAP** to switch between climbing and descending tracking modes.
6. After you complete your activity, press **STOP**, and select **Save**.

Cross-Country Skiing Power Data

NOTE: The HRM-Pro series accessory must be paired to the MARQ watch using ANT+ technology.

You can use your compatible MARQ watch paired with the HRM-Pro series accessory to provide real-time feedback about your cross-country skiing performance. The power output is measured in watts. Factors that affect power include your speed, elevation changes, wind, and snow conditions. You can use power output to measure and improve your skiing performance.

NOTE: Skiing power values are generally lower than cycling power values. This is normal and occurs because humans are less efficient at skiing than they are at cycling. It is common for ski power values to be 30 to 40 percent lower than cycling power values at the same training intensity.

Golfing

Playing Golf

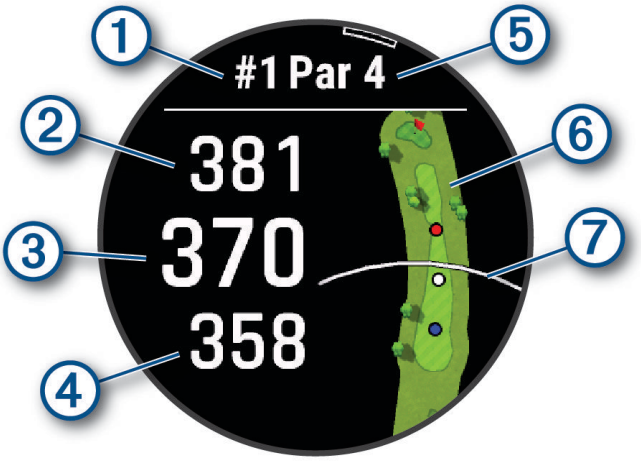
Before you play golf, you should charge the watch (*Charging the Device*, page 141).

1. From the watch face, press **START**.
2. Select **Golf**.

   The device locates satellites, calculates your location, and selects a course if there is only one course nearby.
3. If the course list appears, select a course from the list.
4. If necessary, set your driver distance.
5. Select ✔ to keep score.

6 Select a tee box.

The hole information screen appears.



1	Current hole number
2	Distance to the back of the green
3	Distance to the middle of the green
4	Distance to the front of the green
5	Par for the hole
6	Map of the green
7	Driver distance from the tee box

NOTE: Because pin locations change, the watch calculates the distance to the front, middle, and back of the green, but not the actual pin location.

7 Select an option:

- Tap the front, middle, or back distances to the green to view the PlaysLike distance (*PlaysLike Distance Icons*, page 40).
- Tap the map to view more detail or measure distance with touch targeting (*Measuring Distance with Touch Targeting*, page 41).
- Press **UP** or **DOWN** to view the location and distance to a layup or to the front and back of a hazard.
- Press **START** to open the golf menu (*Golf Menu*, page 39).

When you move to the next hole, the watch automatically transitions to display the new hole information.

Golf Menu

During a round, you can press **START** to access additional features in the golf menu.

End Round: Ends the current round.

Change Hole: Allows you to manually change the hole.

Change Green: Allows you to change the green when more than one green is available for a hole.

View Green: Allows you to move the pin location to get a more precise distance measurement (*Moving the Flag*, page 39).

Virtual Caddie: Requests a club recommendation from the virtual caddie (*Virtual Caddie*, page 40).

PlaysLike: Shows the PlaysLike factors for the hole (*PlaysLike Distance Icons*, page 40).

Measure Shot: Shows the distance of your previous shot recorded with the Garmin AutoShot™ feature (*Viewing Measured Shots*, page 41). You can also manually record a shot (*Manually Measuring a Shot*, page 41).

Scorecard: Opens the scorecard for the round (*Keeping Score*, page 41).

Odometer: Shows the recorded time, distance, and steps traveled. The odometer automatically starts and stops when you start or end a round. You can reset the odometer during a round.

Wind: Opens a pointer that shows the wind direction and speed relative to the pin (*Viewing the Wind Speed and Direction*, page 42).

PinPointer: The PinPointer feature is a compass that points to the pin location when you are unable to see the green. This feature can help you line up a shot even if you are in the woods or in a deep sand trap.

NOTE: Do not use the PinPointer feature while in a golf cart. Interference from the golf cart can affect the accuracy of the compass.

Custom Targets: Allows you to save a location, such as an object or obstacle, for the current hole (*Saving Custom Targets*, page 43).

Club Stats: Shows your statistics with each golf club, such as distance and accuracy information. Appears when you pair Approach® CT10 sensors or enable the Club Prompt setting.

Sunrise & Sunset: Shows the sunrise, sunset, and twilight times for the current day.

Settings: Allows you to customize the golf activity settings (*Activities and App Settings*, page 49).

Moving the Flag

You can take a closer look at the green and move the pin location.

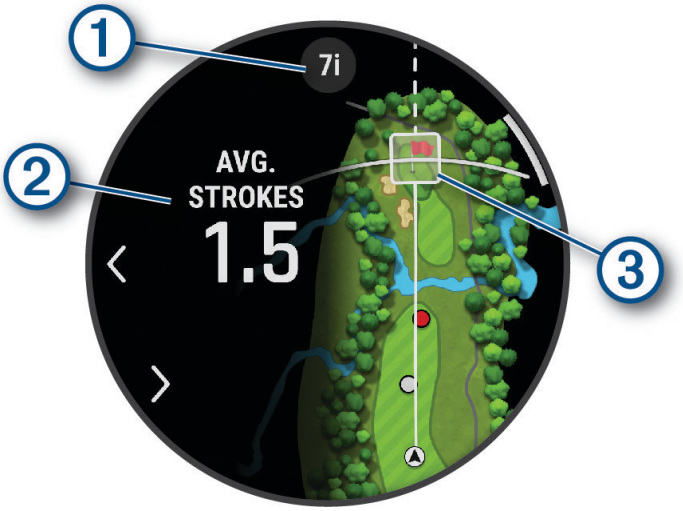
1. From the hole information screen, press **START**.
2. Select **View Green**.
3. Tap or drag to move the pin location.

   TIP: You can press START to zoom in our out.
4. Press **BACK**.

   The distances on the hole information screen are updated to show the new pin location. The pin location is saved for only the current round.

Virtual Caddie

Before you can use the virtual caddie, you must play five rounds with Approach CT10 club tracking sensors or enable the Club Prompt setting (*Activities and App Settings*, page 49), and upload your scorecards. For each round, you must connect to a paired phone with the Garmin Golf™ app. The virtual caddie provides recommendations based on the hole, wind data, and your past performance with each club.



1	Displays the club or club combination recommendation for the hole. You can select < or > to view other club options.
2	Displays the average number of strokes expected to score with the club recommendation.
3	Displays the shot dispersion area for your next shot with the club recommendation, based on your shot history with the club. **NOTE:** If the shot dispersion area overlaps with the green, the shot's chances of reaching the green will display as a percentage.

PlaysLike Distance Icons

The PlaysLike distance feature accounts for elevation changes on the course, wind speed, wind direction, and air density by showing the adjusted distance to the green (*PlaysLike Distance Factors*, page 40). During a round, you can tap a distance to the green to view the PlaysLike distance.

TIP: You can configure what data is factored into the PlaysLike adjustments in the activity settings (*PlaysLike Settings*, page 41).

▲: Distance plays longer than expected.

■: Distance plays as expected.

▼: Distance plays shorter than expected.

PlaysLike Distance Factors

During a round of golf, you can view how much of the PlaysLike distance adjustments are due to elevation changes on the course, wind speed and direction, and air density.

Press START, and select PlaysLike.

: The difference in the distance due to elevation changes.

: The difference in the distance due to the wind speed and direction.

: The difference in the distance due to the air density.

PlaysLike Settings

Hold MENU, and select **Activities & Apps** > **Golf** > **Golf Settings** > **PlaysLike**.

Wind: Enables wind speed and direction to be included in the PlaysLike distance adjustments.

Weather: Enables air density to be included in the PlaysLike distance adjustments.

Home Conditions: Allows you to manually change the altitude, temperature, and humidity settings used for the air density.

NOTE: It can be helpful to set weather conditions that match where you typically play. If they do not match the conditions at your normal course locations, the air density adjustments may seem inaccurate.

Measuring Distance with Touch Targeting

While playing a game, you can use touch targeting to measure the distance to any point on the map.

1. While playing golf, tap the map.
2. Tap or drag your finger to position the target circle ⌖.

   You can view the distance from your current position to the target circle, and from the target circle to the pin location.
3. If necessary, select ✚ or ━ to zoom in or out.

Viewing Measured Shots

Your device features automatic shot detection and recording. Each time you take a shot along the fairway, the device records your shot distance so you can view it later.

TIP: Automatic shot detection works best when you wear the device on your leading wrist and make good contact with the ball. Putts are not detected.

1. While playing golf, press **START**.
2. Select **Previous Shots** to view all recorded shot distances.

   NOTE: The distance from the most recent shot also displays at the top of the hole information screen.

Manually Measuring a Shot

You can manually add a shot if the watch doesn't detect it. You must add the shot from the location of the missed shot.

1. Take a shot and watch where your ball lands.
2. From the hole information screen, press **START**.
3. Select **Measure Shot**.
4. Press **START**.
5. Select **Add Shot** > ✔.
6. If necessary, enter the club you used for the shot.
7. Walk or drive to your ball.

The next time you take a shot, the watch automatically records your last shot distance. If necessary, you can manually add another shot.

Keeping Score

1. From the hole information screen, press **START**.
2. Select **Scorecard**.

   The scorecard appears when you are on the green.
3. Press **UP** or **DOWN** to scroll through the holes.
4. Press **START** to select a hole.
5. Press **UP** or **DOWN** to set the score.

   Your total score is updated.

Recording Statistics

Before you can record statistics, you must enable statistics tracking (*Scoring Settings*, page 42).

1. From the scorecard, select a hole.
2. Enter the total number of strokes taken, including putts, and press **START**.
3. Set the number of putts taken, and press **START**.

   NOTE: The number of putts taken is used for statistics tracking only and does not increase your score.
4. If necessary, select an option:

   NOTE: If you are on a par 3 hole, fairway information does not appear.
   - If your ball hit the fairway, select **In Fairway**.
   - If your ball missed the fairway, select **Missed Right** or **Missed Left**.
5. If necessary, enter the number of penalty strokes.

Scoring Settings

Hold MENU, and select **Activities & Apps** > **Golf** > **Golf Settings** > **Scoring**.

Scoring Method: Changes the method the device uses to keep score.

Handicap Scoring: Enables handicap scoring.

Set Handicap: Sets your handicap when handicap scoring is enabled.

Show Score: Displays your total score for the round at the top of the scorecard (*Keeping Score*, page 41).

Stat Tracking: Enables statistics tracking for the number of putts, greens in regulation, and fairways hit while playing golf.

Penalties: Enables penalty stroke tracking while playing golf (*Recording Statistics*, page 42).

Prompt: Enables the prompt at the start of a round asking if you want to keep score.

About Stableford Scoring

When you select the Stableford scoring method (*Activities and App Settings*, page 49), points are awarded based on the number of strokes taken relative to par. At the end of a round, the highest score wins. The device awards points as specified by the United States Golf Association.

The scorecard for a Stableford scored game shows points instead of strokes.

Points	Strokes Taken Relative to Par
0	2 or more over
1	1 over
2	Par
3	1 under
4	2 under
5	3 under

Viewing the Wind Speed and Direction

The wind feature is a pointer that shows the wind speed and direction relative to the pin. The wind feature requires a connection with the Garmin Golf app.

1. Press **START**.
2. Select **Wind**.

   The arrow points to the wind direction relative to the pin.

Viewing the Direction to the Pin

The PinPointer feature is a compass that provides directional assistance when you are unable to see the green. This feature can help you line up a shot even if you are in the woods or in a deep sand trap.

NOTE: Do not use the PinPointer feature while in a golf cart. Interference from the golf cart can affect the accuracy of the compass.

1 From the hole information screen, press **START**.

2 Select **PinPointer**.

The arrow points to the pin location.

Saving Custom Targets

While playing a round, you can save up to five custom targets for each hole. Saving a target is useful for recording objects or obstacles that are not shown on the map. You can view the distances to these targets from the hazards and layups screen (*Playing Golf*, page 37).

1 Stand near the target you want to save.

NOTE: You cannot save a target that is far from the currently selected hole.

2 From the hole information screen, press **START**.

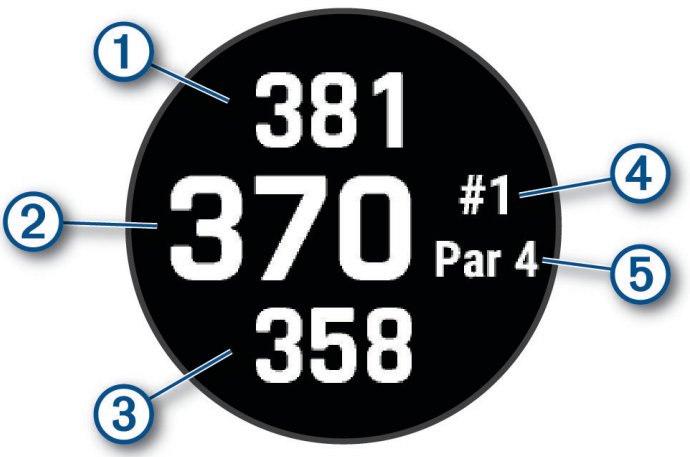
3 Select **Custom Targets**.

4 Select a target type.

Big Numbers Mode

You can change the size of the numbers on the hole information screen.

Hold **MENU**, select the activity settings, and select **Big Numbers**.



①	The distance to the back of the green
②	The distance to the middle of the green or selected pin position
③	The distance to the front of the green
④	The current hole number
⑤	The par for the current hole

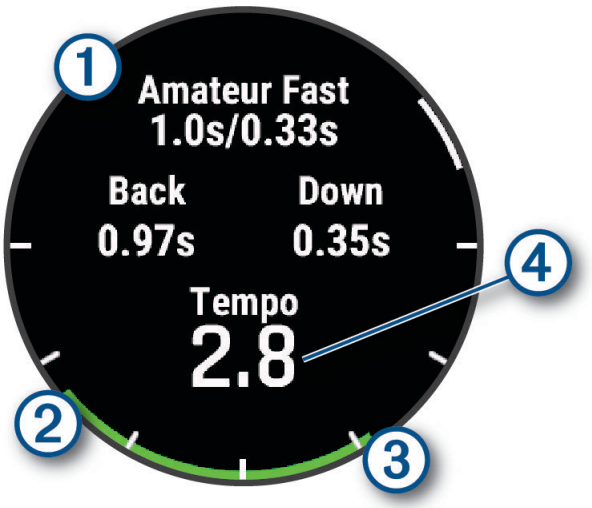
Swing Tempo Training

The Tempo Training activity helps you perform a more consistent swing. The device measures and displays your backswing time and downswing time. The device also displays your swing tempo. Swing tempo is the backswing time divided by the downswing time, expressed in a ratio. A 3 to 1 ratio, or 3.0, is the ideal swing tempo based on studies of professional golfers.

The Ideal Swing Tempo

You can achieve the ideal 3.0 tempo using different swing timings, for example, 0.7 sec./0.23 sec. or 1.2 sec./0.4 sec. Each golfer may have a unique swing tempo based on their ability and experience. Garmin provides six different timings.

The device displays a graph that indicates if your backswing or downswing times are too fast, too slow, or just right for the selected timing.



1	Timing choices (backswing to downswing time ratio)
2	Backswing time
3	Downswing time
4	Your tempo
	Good timing
	Too slow
	Too fast

To find your ideal swing timing, you should start with the slowest timing and try it for a few swings. When the tempo graph is consistently green for both your backswing and downswing times, you can move up to the next timing. When you find a timing that is comfortable, you can use it to achieve more consistent swings and performance.

Analyzing Your Swing Tempo

You must hit a ball to view your swing tempo.

1. Press **START**.
2. Select **Tempo Training**.
3. Press **START**.
4. Select **Swing Speed**, and select an option.
5. Complete a full swing, and hit the ball.

   The watch displays your swing analysis.

Viewing the Tip Sequence

The first time you use the Tempo Training activity, the watch displays a tip sequence to explain how your swing is analyzed.

1. During your activity, press **START**.
2. Select **Tips**.
3. Press **START** to view the next tip.

Jumpmaster

⚠ WARNING

The jumpmaster feature is for use by experienced skydivers only. The jumpmaster feature should not be used as a primary skydiving altimeter. Failure to input the appropriate jump related information can lead to serious personal injury or death.

The jumpmaster feature follows military guidelines for calculating the high altitude release point (HARP). The watch detects automatically when you have jumped to begin navigating toward the desired impact point (DIP) using the barometer and electronic compass.

Planning a Jump

1. Select a jump type (*Jump Types*, page 45).
2. Enter the jump information (*Entering Jump Information*, page 46).

   The device calculates the HARP.
3. Select **Go To HARP** to start navigation to the HARP.

Jump Types

The jumpmaster feature allows you to set the jump type to one of three types: HAHO, HALO, or Static. The jump type selected determines what additional setup information is required. For all jump types, drop altitudes and opening altitudes are measured in feet above ground level (AGL).

HAHO: High Altitude High Opening. The jumpmaster jumps from a very high altitude and opens the parachute at a high altitude. You must set a DIP and a drop altitude of at least 1,000 feet. The drop altitude is assumed to be the same as the opening altitude. Common values for a drop altitude range from 12,000 to 24,000 feet AGL.

HALO: High Altitude Low Opening. The jumpmaster jumps from a very high altitude and opens the parachute at a low altitude. The required information is the same as the HAHO jump type, plus an opening altitude. The opening altitude must not be greater than the drop altitude. Common values for an opening altitude range from 2,000 to 6,000 feet AGL.

Static: The wind speed and direction are assumed to be constant for the duration of the jump. The drop altitude must be at least 1,000 feet.

Entering Jump Information

1. Press **START**.
2. Select **Jumpmaster**.
3. Select a jump type (*Jump Types*, page 45).
4. Complete one or more actions to enter your jump information:
   - Select **DIP** to set a waypoint for the desired landing location.
   - Select **Drop Alt.** to set the drop altitude AGL (in feet) when the jumpmaster exits the aircraft.
   - Select **Open Alt** to set the open altitude AGL (in feet) when the jumpmaster opens the parachute.
   - Select **Forward Throw** to set the horizontal distance traveled (in meters) due to aircraft speed.
   - Select **Crs. to HARP** to set the direction traveled (in degrees) due to aircraft speed.
   - Select **Wind** to set the wind speed (in knots) and direction (in degrees).
   - Select **Constant** to fine-tune some information for the planned jump. Depending on the jump type, you can select **Percent Max.**, **Safety Factor**, **K-Open**, **K-Freefall**, or **K-Static** and enter additional information (*Constant Settings*, page 47).
   - Select **Auto to DIP** to enable navigation to the DIP automatically after you jump.
   - Select **Go To HARP** to start navigation to the HARP.

Entering Wind Information for HAHO and HALO Jumps

1. Press **START**.
2. Select **Jumpmaster**.
3. Select a jump type (*Jump Types*, page 45).
4. Select **Wind** > **Add**.
5. Select an altitude.
6. Enter a wind speed in knots and select **Done**.
7. Enter a wind direction in degrees and select **Done**.

   The wind value is added to the list. Only wind values included in the list are used in calculations.
8. Repeat steps 5–7 for each available altitude.

Resetting Wind Information

1. Press **START**.
2. Select **Jumpmaster**.
3. Select **HAHO** or **HALO**.
4. Select **Wind** > **Reset**.

All wind values are removed from the list.

Entering Wind Information for a Static Jump

1. Press **START**.
2. Select **Jumpmaster** > **Static** > **Wind**.
3. Enter a wind speed in knots and select **Done**.
4. Enter a wind direction in degrees and select **Done**.

Constant Settings

Select Jumpmaster, select a jump type, and select Constant.

Percent Max.: Sets the jump range for all jump types. A setting less than 100% decreases the drift distance to the DIP, and a setting greater than 100% increases the drift distance. More experienced jumpmasters may want to use smaller numbers, and less experienced skydivers may want to use larger numbers.

Safety Factor: Sets the margin of error for a jump (HAHO only). Safety factors are usually integer values of two or greater, and are determined by the jumpmaster based on specifications for the jump.

K-Freefall: Sets the wind drag value for a parachute during freefall, based on the parachute canopy rating (HALO only). Each parachute should be labeled with a K value.

K-Open: Sets the wind drag value for an open parachute, based on the parachute canopy rating (HAHO and HALO). Each parachute should be labeled with a K value.

K-Static: Sets the wind drag value for a parachute during a static jump, based on the parachute canopy rating (Static only). Each parachute should be labeled with a K value.

Customizing Activities and Apps

You can customize the activities and apps list, data screens, data fields, and other settings.

Adding or Removing a Favorite Activity

The list of your favorite activities appears when you press **START** from the watch face, and it provides quick access to the activities you use most frequently. You can add or remove favorite activities at any time.

1. Hold **MENU**.
2. Select **Activities & Apps**.

   Your favorite activities appear at the top of the list.
3. Select an option:
   - To add a favorite activity, select the activity, and select **Set as Favorite**.
   - To remove a favorite activity, select the activity, and select **Remove from Favorites**.

Changing the Order of an Activity in the Apps List

1. Hold **MENU**.
2. Select **Activities & Apps**.
3. Select an activity.
4. Select **Reorder**.
5. Press **UP** or **DOWN** to adjust the position of the activity in the apps list.

Customizing the Data Screens

You can show, hide, and change the layout and content of data screens for each activity.

1. Hold **MENU**.
2. Select **Activities & Apps**.
3. Select the activity to customize.
4. Select the activity settings.
5. Select **Data Screens**.
6. Select a data screen to customize.
7. Select an option:
   - Select **Layout** to adjust the number of data fields on the data screen.
   - Select **Data Fields**, and select a field to change the data that appears in the field.

     TIP: For a list of all the available data fields, go to *Data Fields*, page 151. Not all data fields are available for all activity types.
   - Select **Reorder** to change the location of the data screen in the loop.
   - Select **Remove** to remove the data screen from the loop.
8. If necessary, select **Add New** to add a data screen to the loop.

   You can add a custom data screen, or select one of the predefined data screens.

Adding a Map to an Activity

You can add the map to the data screens loop for an activity.

1. Hold **MENU**.
2. Select **Activities & Apps**.
3. Select the activity to customize.
4. Select the activity settings.
5. Select **Data Screens** > **Add New** > **Map**.

Creating a Custom Activity

1. From the watch face, press **START**.
2. Select **Add**.
3. Select an option:
   - Select **Copy Activity** to create your custom activity starting from one of your saved activities.
   - Select **Other** > **Other** to create a new custom activity.
4. If necessary, select an activity type.
5. Select a name or enter a custom name.

   Duplicate activity names include a number, for example: Bike(2).
6. Select an option:
   - Select an option to customize specific activity settings. For example, you can customize the data screens or auto features.
   - Select **Done** to save and use the custom activity.
7. Select **Yes** to add the activity to your list of favorites.

Activities and App Settings

These settings allow you to customize each preloaded activity app based on your needs. For example, you can customize data pages and enable alerts and training features. Not all settings are available for all activity types.

Hold **MENU**, select **Activities & Apps**, select an activity, and select the activity settings.

3D Distance: Calculates your distance traveled using your elevation change as well as your horizontal movement over ground.

3D Speed: Calculates your speed using your elevation change as well as your horizontal movement over ground.

Accent Color: Sets the accent color for the activity icon.

Add Activity: Adds an activity type to a multisport activity.

Alerts: Sets the training or navigation alerts for the activity (*Activity Alerts*, page 51).

Altimeter: Displays the pressure altitude, or GPS altitude, when the watch has a GPS fix.

Auto Climb: Detects elevation changes using the built-in altimeter and automatically displays relevant climb data (*Enabling Auto Climb*, page 54).

Auto Fly: In watch mode, starts a flight activity automatically when the detected climb rate exceeds a specified speed. The activity stops when the ground speed drops below 30 kt for a specified time.

Auto Lap: Sets the options for the Auto Lap feature to automatically mark laps. The Auto Distance option marks laps at a specific distance. The Auto Position option marks laps at a location where you previously pressed LAP. When you complete a lap, a customizable lap alert message appears. This feature is helpful for comparing your performance over different parts of an activity.

Auto Pause: Sets the options for the Auto Pause® feature to stop recording data when you stop moving or when you drop below a specified speed. This feature is helpful if your activity includes stop lights or other places where you must stop.

Auto Rest: Automatically creates a rest interval when you stop moving during a pool swim activity (*Swim Auto Rest and Manual Rest*, page 23). Sets the options for automatically starting and stopping the rest timer for the ultra run activity (*Ultra Run Auto Rest Settings*, page 22).

Auto Run: Automatically detects ski or water sport runs using the built-in accelerometer (*Viewing Your Ski Runs*, page 35, *Viewing Your Water Sport Runs*, page 33).

Auto Scroll: Automatically scrolls through all of the activity data screens while the activity timer is running.

Auto Set: Automatically starts and stops exercise sets during a strength training activity.

Auto Sport Change: Automatically detects a transition to the next sport in a multisport activity, such as a triathlon.

Auto Start: Automatically starts a motocross or BMX activity when you start moving.

Big Numbers: Changes the size of the numbers on the data screens (*Big Numbers Mode*, page 43).

Broadcast Heart Rate: Automatically broadcasts heart rate data from your watch to paired devices when you start the activity (*Broadcasting Heart Rate Data*, page 94).

Broadcast to GameOn: Automatically broadcasts biometrics data to the Garmin GameOn app when you start a gaming activity (*Using the Garmin GameOn™ App*, page 27).

ClimbPro: Displays ascent information for upcoming and current climbs while navigating a course (*Using ClimbPro*, page 53).

Club Prompt: Prompts you to enter which golf club you used after each detected shot to record your club statistics (*Recording Statistics*, page 42).

Countdown Start: Enables a countdown timer for pool swimming intervals.

Data Screens: Customizes data screens and adds new data screens for the activity (*Customizing the Data Screens*, page 48).

Driver Distance: Sets the average distance the ball travels on your drive while playing golf.

Edit Weight: Prompts you to add the weight used for an exercise set during a strength training or cardio activity.

Flight Timer: From the Fly activity, automatically starts and stops the flight timer when your ground speed exceeds the value set in the Flight Timer Threshold option.

Flight Timer Threshold: From the Fly activity, automatically starts and stops the flight timer when your ground speed exceeds this value. For example, 30 kt.

Golf Distance: Sets the unit of measure for distance while playing golf.

Golf Wind Speed: Sets the unit of measure for wind speed while playing golf.

Grading System: Sets the grading system for rating the route difficulty for a rock climbing activity.

Jump Mode: Sets the jump rope activity target to a set time, number of reps, or open ended.

Lane Number: Sets your lane number for track running.

Lap Key: Enables the LAP button for recording a lap or rest during an activity.

Lock Device: Locks the touchscreen and buttons during a multisport activity to prevent inadvertent button presses and touchscreen swipes.

Map: Sets the display preferences for the map data screen for the activity (*Activity Map Settings*, page 53).

Map Layers: Sets the map data to show on the map (*Showing and Hiding Map Data*, page 109).

Metronome: Plays tones or vibrates at a steady rhythm to help you improve your performance by training at a faster, slower, or more consistent cadence. You can set the beats per minute (bpm) of the cadence you want to maintain, beat frequency, and sound settings.

Mode Tracking: Sets the ascent and descent tracking mode to automatic or manual for backcountry skiing and snowboarding.

Obstacle Tracking: Saves obstacle locations from your first loop of the course. On repeat loops of the course, the watch uses the saved locations to switch between obstacle and running intervals (*Recording an Obstacle Racing Activity*, page 22).

PlaysLike: Configures the "plays like" distance feature, which shows adjusted distances to the green while playing golf (*PlaysLike Distance Icons*, page 40).

Pool Size: Sets the pool length for pool swimming.

Power Averaging: Controls whether the watch includes zero values for bike power data that occur when you are not pedaling.

Power Mode: Sets the default power mode for the activity.

Power Save Timeout: Sets the timeout limit for the watch to stay in activity mode while waiting for you to start the activity, for example, when you are waiting for a race to start. The Normal option sets the watch to enter low-power watch mode after 5 minutes of inactivity. The Extended option sets the watch to enter low-power watch mode after 25 minutes of inactivity. The extended mode can result in shorter battery life between charges.

Record Activity: Enables activity FIT file recording for golf activities. FIT files record fitness information that is tailored for the Garmin Connect website and app.

Record After Sunset: Sets the watch to record track points after sunset during an expedition.

Record Temperature: Records the ambient temperature around the watch or from a paired temperature sensor.

Record VO2 Max.: Records a VO2 max. estimate for trail run and ultra run activities.

Recording Interval: Sets the frequency for recording track points during an expedition. By default, GPS track points are recorded once an hour, and they are not recorded after sunset. Recording track points less frequently maximizes battery life.

Rename: Sets the activity name.

Rep Counting: Records rep counts during a workout. The Workouts Only option records rep counts during guided workouts only.

Repeat: Records repeats for multisport activities. For example, you can use this option for activities that include multiple transitions, such as a swimrun.

Restore Defaults: Resets the activity settings.

Route Stats: Records route statistics for indoor climbing activities.

Routing: Sets the preferences for calculating routes for the activity (*Routing Settings*, page 53).

Running Power: Records running power data and customizes the settings (*Running Power Settings*, page 103).

Satellites: Sets the satellite system to use for the activity (*Satellite Settings*, page 54).

Scoring: Sets your golf scoring preferences, enables statistics tracking, and sets your handicap (*Scoring Settings*, page 42).

Segments: Displays your saved segments for the activity (*Segments*, page 54). The Auto Effort option automatically adjusts the target race time of a segment based on your performance during the segment.

Segment Alerts: Notifies you about approaching saved segments (*Segments*, page 54).

Self Evaluation: Sets how often you evaluate your perceived effort for the activity (*Evaluating an Activity*, page 20).

SpeedPro: Records advanced speed metrics for windsurf activity runs.

Stroke Detect.: Automatically detects your stroke type for pool swimming.

Swimrun Auto Sport Change: Automatically transitions between the swim portion and the run portion of a swimrun multisport activity.

Touch: Enables the touchscreen during an activity.

Tournament Mode: Disables features that are not allowed during sanctioned golf tournaments.

Transitions: Enables transitions for multisport activities.

Units: Sets the units of measure for the activity.

Vibration Alerts: Notifies you to inhale or exhale during a breathwork activity.

Virtual Caddie: Shows virtual caddie club recommendations automatically, or you can manually access them from the menu. Appears after you play five rounds of golf, track your clubs, and upload your scorecards to the Garmin Golf app.

Workout Videos: Plays instructive workout animations for a strength, cardio, yoga, or Pilates activity. Animations are available for pre-installed workouts and workouts downloaded from your Garmin Connect account.

Activity Alerts

You can set alerts for each activity, which can help you to train toward specific goals, to increase your awareness of your environment, and to navigate to your destination. Some alerts are available only for specific activities. There are three types of alerts: event alerts, range alerts, and recurring alerts.

Event alert: An event alert notifies you one time. The event is a specific value. For example, you can set the watch to alert you when you burn a specified number of calories.

Range alert: A range alert notifies you each time the watch is above or below a specified range of values. For example, you can set the watch to alert you when your heart rate is below 60 beats per minute (bpm) and over 210 bpm.

Recurring alert: A recurring alert notifies you each time the watch records a specified value or interval. For example, you can set the watch to alert you every 30 minutes.

Alert Name	Alert Type	Description
Cadence	Range	You can set minimum and maximum cadence values.
Calories	Event, recurring	You can set the number of calories.
Distance	Event, recurring	You can set a distance interval.
Elevation	Range	You can set minimum and maximum elevation values.
Heart Rate	Range	You can set minimum and maximum heart rate values or select zone changes. See *About Heart Rate Zones*, page 121 and *Heart Rate Zone Calculations*, page 123.
Pace	Range	You can set minimum and maximum pace values.
Pacing	Recurring	You can set a target swim pace.
Power	Range	You can set the high or low power level.
Proximity	Event	You can set a radius from a saved location.
Run/Walk	Recurring	You can set timed walking breaks at regular intervals.
Running Power	Event, range	You can set minimum and maximum power zone values.
Speed	Range	You can set minimum and maximum speed values.
Stroke Rate	Range	You can set high or low strokes per minute.
Time	Event, recurring	You can set a time interval.
Track Timer	Recurring	You can set a track time interval in seconds.

Setting an Alert

1. Hold **MENU**.
2. Select **Activities & Apps**.
3. Select an activity.

   NOTE: This feature is not available for all activities.
4. Select the activity settings.
5. Select **Alerts**.
6. Select an option:
   - Select **Add New** to add a new alert for the activity.
   - Select the alert name to edit an existing alert.
7. If necessary, select the type of alert.
8. Select a zone, enter the minimum and maximum values, or enter a custom value for the alert.
9. If necessary, turn on the alert.

For event and recurring alerts, a message appears each time you reach the alert value. For range alerts, a message appears each time you exceed or drop below the specified range (minimum and maximum values).

Activity Map Settings

You can customize the appearance of the map data screen for each activity.

Hold **MENU**, select **Activities & Apps**, select an activity, select the activity settings, and select **Map**.

Configure Maps: Shows data from installed map products.

Marine Chart Mode: Enables the nautical chart when displaying marine data. This option displays various map features in different colors so the marine data is more readable and the map reflects the drawing scheme of paper charts.

Use Sys. Settings: Enables the watch to use the preferences from the map system settings (*Map Settings*, page 107). When this setting is disabled, you can customize the map settings for the activity.

Routing Settings

You can change the routing settings to customize the way the watch calculates routes for each activity.

NOTE: Not all settings are available for all activity types.

Hold **MENU**, select **Activities & Apps**, select an activity, select the activity settings, and select **Routing**.

Activity: Sets an activity for routing. The watch calculates routes optimized for the type of activity you are doing.

Popularity Routing: Calculates routes based on the most popular runs and rides from Garmin Connect.

Courses: Sets how you navigate courses using the watch. Use the Follow Course option to navigate a course exactly as it appears, without recalculating. Use the Use Map option to navigate a course using routable maps, and recalculate the route if you stray from the course.

Calculation Method: Sets the calculation method to minimize the time, distance, or ascent in routes.

Avoidances: Sets the road or transportation types to avoid in routes.

Type: Sets the behavior of the pointer that appears during direct routing.

Using ClimbPro

The ClimbPro feature helps you manage your effort for the upcoming climbs on a course. You can view climb details, including gradient, distance, and elevation gain, before or in real time while following a course. Cycling climb categories, based on length and gradient, are indicated by color.

1. Hold **MENU**.
2. Select **Activities & Apps**.
3. Select an activity.
4. Select the activity settings.
5. Select **ClimbPro** > **Status** > **When Navigating**.
6. Select an option:
   - Select **Data Field** to customize the data field that appears on the ClimbPro screen.
   - Select **Alert** to set alerts at the start of a climb or at a certain distance from the climb.
   - Select **Descents** to turn descents on or off for running activities.
   - Select **Climb Detection** to choose the types of climbs detected during cycling activities.
7. Review the climbs and course details for the course (*Viewing or Editing Course Details*, page 134).
8. Start following a saved course (*Navigating to a Destination*, page 129).

Enabling Auto Climb

You can use the auto climb feature to detect elevation changes automatically. You can use it during activities such as climbing, hiking, running, or biking.

1. Hold **MENU**.
2. Select **Activities & Apps**.
3. Select an activity.

   NOTE: This feature is not available for all activities.
4. Select the activity settings.
5. Select **Auto Climb** > **Status**.
6. Select **Always** or **When Not Navigating**.
7. Select an option:
   - Select **Run Screen** to identify which data screen appears while running.
   - Select **Climb Screen** to identify which data screen appears while climbing.
   - Select **Invert Colors** to reverse the display colors when changing modes.
   - Select **Vertical Speed** to set the rate of ascent over time.
   - Select **Mode Switch** to set how quickly the device changes modes.

   NOTE: The Current Screen option allows you to automatically switch to the last screen you were viewing before the auto climb transition occurred.

Satellite Settings

You can change the satellite settings to customize the satellite systems used for each activity. For more information about satellite systems, go to garmin.com/aboutGPS.

Hold **MENU**, select **Activities & Apps**, select an activity, select the activity settings, and select **Satellites**.

NOTE: This feature is not available for all activities.

Off: Disables satellite systems for the activity.

Use Default: Enables the watch to use the default system setting for satellites (*System Settings*, page 137).

GPS Only: Enables the GPS satellite system.

All Systems: Enables multiple satellite systems. Using multiple satellite systems together offers increased performance in challenging environments and faster position acquisition than using GPS only. However, using multiple systems can reduce battery life more quickly than using GPS only.

All + Multi-Band: Enables multiple satellite systems on multiple frequency bands. Multi-band systems use multiple frequency bands and allow for more consistent track logs, improved positioning, improved multi-path errors, and fewer atmospheric errors when using the watch in challenging environments.

Auto Select: Enables the watch to use SatIQ™ technology to dynamically select the best multi-band system based on your environment. The Auto Select setting offers the best positioning accuracy while still prioritizing battery life.

UltraTrac: Records track points and sensor data less frequently. Enabling the UltraTrac feature increases battery life but decreases the quality of recorded activities. You should use the UltraTrac feature for activities that demand longer battery life and for which frequent sensor data updates are less important.

Segments

You can send running or cycling segments from your Garmin Connect account to your device. After a segment is saved to your device, you can race a segment, trying to match or exceed your personal record or other participants who have raced the segment.

NOTE: When you download a course from your Garmin Connect account, you can download all of the available segments in the course.

Strava™ Segments

You can download Strava segments to your MARQ Aviator device. Follow Strava segments to compare your performance with your past rides, friends, and pros who have ridden the same segment.

To sign up for a Strava membership, go to the segments menu in your Garmin Connect account. For more information, go to www.strava.com.

The information in this manual applies to both Garmin Connect segments and Strava segments.

Viewing Segment Details

1. From the watch face, press **START**.
2. Select an activity.
3. Hold **MENU**.
4. Select the activity settings.
5. Select **Segments**.
6. Select a segment.
7. Select an option:
   - Select **Race Times** to view the time and average speed or pace for the segment leader.
   - Select **Map** to view the segment on the map.
   - Select **Elevation Plot** to view an elevation plot of the segment.

Racing a Segment

Segments are virtual race courses. You can race a segment, and compare your performance to past activities, others' performance, connections in your Garmin Connect account, or other members of the running or cycling communities. You can upload your activity data to your Garmin Connect account to view your segment position.

NOTE: If your Garmin Connect account and Strava account are linked, your activity is automatically sent to your Strava account so you can review the segment position.

1. From the watch face, press **START**.
2. Select an activity.
3. Go for a run or ride.

   When you approach a segment, a message appears, and you can race the segment.
4. Start racing the segment.

A message appears when the segment is complete.

Training

Unified Training Status

When you use more than one Garmin device with your Garmin Connect account, you can choose which device is the primary data source for everyday use and for training purposes.

From the Garmin Connect app, select ••• > **Settings**.

Primary Training Device: Sets the priority data source for training metrics like your training status and load focus.

Primary Wearable: Sets the priority data source for daily health metrics like steps and sleep. This should be the watch you wear most often.

TIP: For the most accurate results, Garmin recommends that you sync often with your Garmin Connect account.

Syncing Activities and Performance Measurements

You can sync activities and performance measurements from other Garmin devices to your MARQ Aviator watch using your Garmin Connect account. This allows your watch to more accurately reflect your training and fitness. For example, you can record a ride with an Edge® bike computer, and view your activity details and recovery time on your MARQ Aviator watch.

Sync your MARQ Aviator watch and other Garmin devices to your Garmin Connect account.

TIP: You can set a primary training device and primary wearable in the Garmin Connect app (*Unified Training Status*, page 55).

Recent activities and performance measurements from your other Garmin devices appear on your MARQ Aviator watch.

Training for a Race Event

Your watch can suggest daily workouts to help you train for a running or cycling event, if you have a VO2 max. estimate (*About VO2 Max. Estimates*, page 73).

1. From the Garmin Connect app, select •••.
2. Select **Training & Planning** > **Races & Events** > **Find an Event**.
3. Search for an event in your area.

   You can also select **Create an Event** to create your own event.
4. Select **Add to Calendar**.
5. Sync your watch with your Garmin Connect account.
6. On your watch, scroll to the primary race glance to see a countdown to your primary race event.
7. From the watch face, press **START**, and select a running or cycling activity.

   NOTE: If you have completed at least one outdoor run with heart rate data or one ride with heart rate and power data, daily suggested workouts appear on your watch.

Race Calendar and Primary Race

When you add a race event to your Garmin Connect calendar, you can view the event on your watch by adding the primary race glance (*Glances*, page 67). The event date must be in the next 365 days. The watch displays a countdown to the event, your goal time or predicted finish time (running events only), and weather information.

NOTE: Historical weather information for the location and date is available right away. Local forecast data appears approximately 14 days before the event.

If you add more than one race event, you are prompted to choose a primary event.

Depending on the available course data for your event, you can view elevation data, the course map, and add a PacePro™ plan (*PacePro Training*, page 60).

Workouts

You can create custom workouts that include goals for each workout step and for varied distances, times, and calories. During your activity, you can view workout-specific data screens that contain workout step information, such as the workout step distance or current pace.

On your watch: You can open the workouts app from the activity list to show all workouts currently loaded on your watch (*Activities and Apps*, page 17).

You can also view your workout history.

On the app: You can create and find more workouts, or select a training plan that has built-in workouts and transfer them to your watch (*Following a Workout From Garmin Connect*, page 57).

You can schedule workouts.

You can update and edit your current workouts.

Starting a Workout

Your device can guide you through multiple steps in a workout.

1. From the watch face, press **START**.
2. Select an activity.
3. Hold **MENU**, and select **Training**.
4. Select an option:
   - To start an interval workout or a workout with a training target, select **Quick Workout** (*Starting an Interval Workout*, page 58, *Setting a Training Target*, page 59).
   - To start a preloaded or saved workout, select **Workout Library** (*Following a Workout From Garmin Connect*, page 57).
   - To start a scheduled workout from your Garmin Connect training calendar, select **Training Calendar** (*About the Training Calendar*, page 60).

   NOTE: Not all options are available for all activity types.
5. Select a workout.

   NOTE: Only workouts that are compatible with the selected activity appear in the list.
6. If necessary, select **Do Workout**.
7. Press **START** to start the activity timer.

After you begin a workout, the device displays each step of the workout, step notes (optional), the target (optional), and the current workout data. For strength, yoga, cardio, or Pilates activities, an instructional animation appears.

Workout Execution Score

After you complete a workout, the watch displays your workout execution score based on how accurately you completed the workout. The active workout steps are prioritized the highest, measuring how closely your effort level matches the step target, and also that you completed all the steps. Warm up and recovery steps have a lower impact on your score. The cool down step does not impact your workout execution score at all.

NOTE: Your workout execution score appears only for workouts with heart rate, speed, pace, or power targets.

	Good, 67 to 100%
	Average, 34 to 66%
	Low, 0 to 33%

Following a Workout From Garmin Connect

Before you can download a workout from Garmin Connect, you must have a Garmin Connect account (*Garmin Connect*, page 115).

1. Select an option:
   - Open the Garmin Connect app, and select •••.
   - Go to connect.garmin.com.
2. Select **Training & Planning** > **Workouts**.
3. Find a workout, or create and save a new workout.
4. Select or **Send to Device**.
5. Follow the on-screen instructions.

Following a Daily Suggested Workout

Before the watch can suggest a daily run or bike workout, you must have a VO2 max. estimate for that activity (*About VO2 Max. Estimates*, page 73).

1. From the watch face, press **START**.
2. Select **Run** or **Bike**.

   The daily suggested workout appears.
3. Press **START**, and select an option:
   - To do the workout, select **Do Workout**.
   - To discard the workout, select **Dismiss**.
   - To preview the workout steps, select **Steps**.
   - To view workout suggestions for the upcoming week, select **More Suggestions**.
   - To view the workout settings, such as **Target Type**, select **Settings**.

The suggested workout updates automatically to changes in training habits, recovery time, and VO2 max.

Starting an Interval Workout

1. From the watch face, press **START**.
2. Select an activity.
3. Hold **MENU**.
4. Select **Training** > **Quick Workout** > **Intervals**.
5. Select an option:
   - Select **Open Repeats** to mark your intervals and rest periods manually by pressing **LAP**.
   - Select **Structured Repeats** > **Do Workout** to use an interval workout based on distance or time.
6. If necessary, select **Yes** to include a warm up before the workout.
7. Press **START** to start the activity timer.
8. When your interval workout has a warm up, press **LAP** to begin the first interval.
9. Follow the on-screen instructions.
10. At any time, press **LAP** to stop the current interval or rest period and transition to the next interval or rest period (optional).

After you complete all of the intervals, a message appears.

Customizing an Interval Workout

1. From the watch face, press **START**.
2. Select an activity.
3. Hold **MENU**.
4. Select **Training** > **Quick Workout** > **Intervals** > **Structured Repeats** > **Edit**.
5. Select one or more options:
   - To set the interval duration and type, select **Interval**.
   - To set the rest duration and type, select **Rest**.
   - To set the number of repetitions, select **Repeat**.
   - To add an open-ended warm up to your workout, select **Warm Up** > **On**.
   - To add an open-ended cool down to your workout, select **Cool Down** > **On**.
6. Press **BACK**.

The watch saves your custom interval workout until you edit the workout again.

Recording a Critical Swim Speed Test

Your Critical Swim Speed (CSS) value is the result of a time-trial-based test expressed as a pace per 100 meters. Your CSS is the theoretical speed you can maintain continuously without exhaustion. You can use your CSS to guide your training pace and monitor your improvement.

1. From the watch face, press **START**.
2. Select **Pool Swim**.
3. Hold **MENU**.
4. Select **Training** > **Workout Library** > **Critical Swim Speed** > **Do Critical Swim Speed Test**.
5. Press **DOWN** to preview the workout steps (optional).
6. Press **START**.
7. Press **START** to start the activity timer.
8. Follow the on-screen instructions.

Using Virtual Partner®

Your Virtual Partner is a training tool designed to help you meet your goals. You can set a pace for the Virtual Partner and race against it.

NOTE: This feature is not available for all activities.

1. Hold **MENU**.
2. Select **Activities & Apps**.
3. Select an activity.
4. Select the activity settings.
5. Select **Data Screens** > **Add New** > **Virtual Partner**.
6. Enter a pace or speed value.
7. Press **UP** or **DOWN** to change the location of the Virtual Partner screen (optional).
8. Start your activity (*Starting an Activity*, page 18).
9. Press **UP** or **DOWN** to scroll to the Virtual Partner screen and see who is leading.

Setting a Training Target

The training target feature works with the Virtual Partner feature so you can train toward a set distance, distance and time, distance and pace, or distance and speed goal. During your training activity, the watch gives you real-time feedback about how close you are to achieving your training target.

1. From the watch face, press **START**.
2. Select an activity.
3. Hold **MENU**.
4. Select **Training**.
5. Select an option:
   - Select **Set a Target**.
   - Select **Quick Workout**.

   NOTE: Not all options are available for all activity types.
6. Select an option:
   - Select **Distance Only** to select a preset distance or enter a custom distance.
   - Select **Distance and Time** to select a distance and time target.
   - Select **Distance and Pace** or **Distance and Speed** to select a distance and pace or speed target.

   The training target screen appears and displays your estimated finish time.
7. Press **START** to start the activity timer.

   TIP: You can hold MENU, and select **Cancel Target** to cancel the training target.

Racing a Previous Activity

You can race a previously recorded or downloaded activity. This feature works with the Virtual Partner feature so you can see how far ahead or behind you are during the activity.

NOTE: This feature is not available for all activities.

1. From the watch face, press **START**.
2. Select an activity.
3. Hold **MENU**.
4. Select **Training** > **Race Yourself**.
5. Select an option:
   - Select **From History** to select a previously recorded activity from your device.
   - Select **Downloaded** to select an activity you downloaded from your Garmin Connect account.
6. Select the activity.

   The Virtual Partner screen appears indicating your estimated finish time.
7. Press **START** to start the activity timer.
8. After you complete your activity, press **STOP**, and select **Save**.

About the Training Calendar

The training calendar on your watch is an extension of the training calendar or schedule you set up in your Garmin Connect account. After you have added a few workouts to the Garmin Connect calendar, you can send them to your device. All scheduled workouts sent to the device appear in the calendar glance. When you select a day in the calendar, you can view or do the workout. The scheduled workout stays on your watch whether you complete it or skip it. When you send scheduled workouts from Garmin Connect, they overwrite the existing training calendar.

Using Garmin Connect Training Plans

Before you can download and use a training plan, you must have a Garmin Connect account (*Garmin Connect*, page 115), and you must pair the MARQ watch with a compatible phone.

1. From the Garmin Connect app, select •••.
2. Select **Training & Planning** > **Garmin Coach Plans**.
3. Select and schedule a training plan.
4. Follow the on-screen instructions.
5. Review the training plan in your calendar.

Adaptive Training Plans

Your Garmin Connect account has an adaptive training plan and Garmin coach to fit your training goals. For example, you can answer a few questions and find a plan to help you complete a 5 km race. The plan adjusts to your current level of fitness, coaching and schedule preferences, and race date. When you start a plan, the Garmin coach glance is added to the glance loop on your MARQ watch.

PacePro Training

Many runners like to wear a pace band during a race to help achieve their race goal. The PacePro feature allows you to create a custom pace band based on distance and pace or distance and time. You can also create a pace band for a known course to optimize your pace effort based on elevation changes.

You can create a PacePro plan using the Garmin Connect app. You can preview the splits and elevation plot before you run the course.

Downloading a PacePro Plan from Garmin Connect

Before you can download a PacePro plan from Garmin Connect, you must have a Garmin Connect account (*Garmin Connect*, page 115).

1. Select an option:
   - Open the Garmin Connect app, and select •••.
   - Go to connect.garmin.com.
2. Select **Training & Planning** > **PacePro Pacing Strategies**.
3. Follow the on-screen instructions to create and save a PacePro plan.
4. Select or **Send to Device**.

Creating a PacePro Plan on Your Watch

Before you can create a PacePro plan on your watch, you must create a course (*Creating a Course on Garmin Connect*, page 133).

1. From the watch face, press **START**.
2. Select an outdoor running activity.
3. Hold **MENU**.
4. Select **Navigation** > **Courses**.
5. Select a course.
6. Select **PacePro** > **Create New**.
7. Select an option:
   - Select **Goal Pace**, and enter your target pace.
   - Select **Goal Time**, and enter your target time.

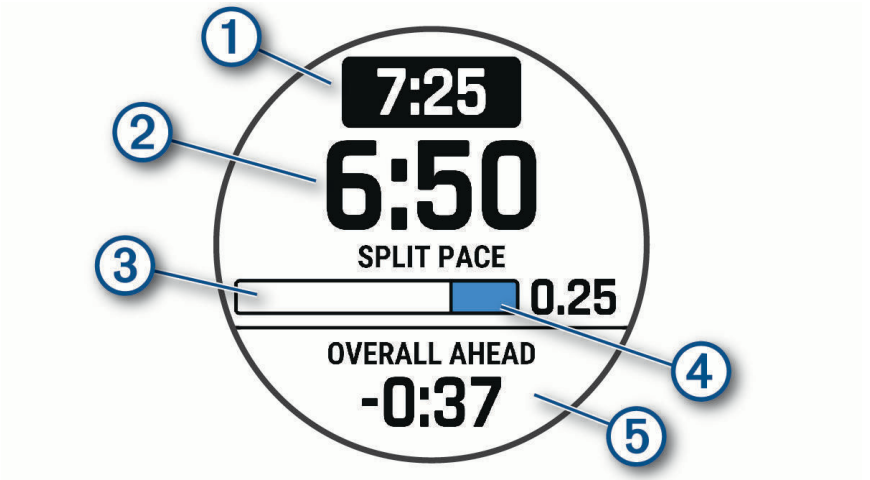
   The watch displays your custom pace band.
8. Press **START**.
9. Select an option:
   - Select **Accept Plan** to start the plan.
   - Select **View Splits** to preview the splits.
   - Select **Elevation Plot** to view an elevation plot of the course.
   - Select **Map** to view the course on the map.
   - Select **Remove** to discard the plan.

Starting a PacePro Plan

Before you can start a PacePro plan, you must download a plan from your Garmin Connect account.

1. From the watch face, press **START**.
2. Select an outdoor running activity.
3. Hold **MENU**.
4. Select **Training** > **PacePro Plans**.
5. Select a plan.
6. Press **START**.

   TIP: You can preview the splits, elevation plot, and the map before you accept the PacePro plan.
7. Select **Accept Plan** to start the plan.
8. If necessary, select **Yes** to enable course navigation.
9. Press **START** to start the activity timer.



1	Target split pace
2	Current split pace
3	Completion progress for the split
4	Distance remaining in the split
5	Overall time ahead of or behind your target time

TIP: You can hold MENU, and select **Stop PacePro** > **Yes** to stop the PacePro plan. The activity timer continues running.

Power Guide

You can create and use a power strategy to plan your effort on a course. Your MARQ device uses your FTP, the course elevation, and the projected time it will take you to complete the course to create a customized power guide.

One of the most important steps in planning a successful power guide strategy is choosing your effort level. Putting a harder effort into the course will increase the power recommendations, while choosing an easier effort will reduce them (*Creating and Using a Power Guide*, page 63). The primary goal of a power guide is to help you complete the course based on what is known about your ability, not to achieve a specific target time. You can adjust the effort level during your ride.

Power guides are always associated with a course and cannot be used with workouts or segments. You can view and edit your strategy in the Garmin Connect app and sync it with compatible Garmin devices. This feature requires a power meter, which must be paired with your device (*Pairing Your Wireless Sensors*, page 101).

Creating and Using a Power Guide

Before you can create a power guide, you must pair a power meter with your watch (*Pairing Your Wireless Sensors*, page 101). You must also have a course loaded to your watch (*Creating a Course on Garmin Connect*, page 133).

You can also create a power guide in the Garmin Connect app.

1. From the watch face, press **START**.
2. Select an outdoor biking activity.
3. Hold **MENU**.
4. Select **Training** > **Power Guide** > **Create New**.
5. Select a course (*Courses*, page 132).
6. Select a riding position.
7. Select a gear weight.
8. Press **START**, and select **Use Plan**.

   TIP: You can preview the map, elevation plot, effort, settings, and splits. You can also adjust the effort, terrain, riding position, and gear weight before you start riding.

History

History includes time, distance, calories, average pace or speed, lap data, and optional sensor information.

NOTE: When the device memory is full, your oldest data is overwritten.

Using History

History contains previous activities you have saved on your watch.

The watch has a history glance for quick access to your activity data (*Glances*, page 67).

1. From the watch face, hold **MENU**.
2. Select **History** > **Flt. Log/Activities**.
3. Select an activity.
4. Press **START**.
5. Select an option:
   - To view additional information about the activity, select **All Stats**.
   - To view the impact of the activity on your aerobic and anaerobic fitness, select **Training Effect** (*About Training Effect*, page 82).
   - To view your time in each heart rate zone, select **Heart Rate**.
   - To select a lap and view additional information about each lap, select **Laps**.
   - To select a ski or snowboard run and view additional information about each run, select **Runs**.
   - To select an exercise set and view additional information about each set, select **Sets**.
   - To view the activity on a map, select **Map**.
   - To view an elevation plot for the activity, select **Elevation Plot**.
   - To delete the selected activity, select **Delete**.

Multisport History

Your device stores the overall multisport summary of the activity, including overall distance, time, calories, and optional accessory data. Your device also separates the activity data for each sport segment and transition so you can compare similar training activities and track how quickly you move through the transitions. Transition history includes distance, time, average speed, and calories.

Personal Records

When you complete an activity, the watch displays any new personal records you achieved during that activity. Personal records include your fastest time over several typical race distances, highest strength activity weight for major movements, and longest run, ride, or swim.

NOTE: For cycling, personal records also include most ascent and best power (power meter required).

Viewing Your Personal Records

1. From the watch face, hold **MENU**.
2. Select **History** > **Records**.
3. Select a sport.
4. Select a record.
5. Select **View Record**.

Restoring a Personal Record

You can set each personal record back to the one previously recorded.

1. From the watch face, hold **MENU**.
2. Select **History** > **Records**.
3. Select a sport.
4. Select a record to restore.
5. Select **Previous** > **Yes**.

   NOTE: This does not delete any saved activities.

Clearing Personal Records

1. From the watch face, hold **MENU**.
2. Select **History** > **Records**.
3. Select a sport.
4. Select an option:
   - To delete one record, select a record, and select **Clear Record** > **Yes**.
   - To delete all records for the sport, select **Clear All Records** > **Yes**.

   NOTE: This does not delete any saved activities.

Viewing Data Totals

You can view the accumulated distance and time data saved to your watch.

1. From the watch face, hold **MENU**.
2. Select **History** > **Totals**.
3. Select an activity.
4. Select an option to view weekly or monthly totals.

Using the Odometer

The odometer automatically records the total distance traveled, elevation gained, and time in activities.

1. From the watch face, hold **MENU**.
2. Select **History** > **Totals** > **Odometer**.
3. Press **UP** or **DOWN** to view odometer totals.

Deleting History

1. From the watch face, hold **MENU**.
2. Select **History** > **Options**.
3. Select an option:
   - Select **Delete All Activities** to delete all activities from the history.
   - Select **Reset Totals** to reset all distance and time totals.

     NOTE: This does not delete any saved activities.

Appearance

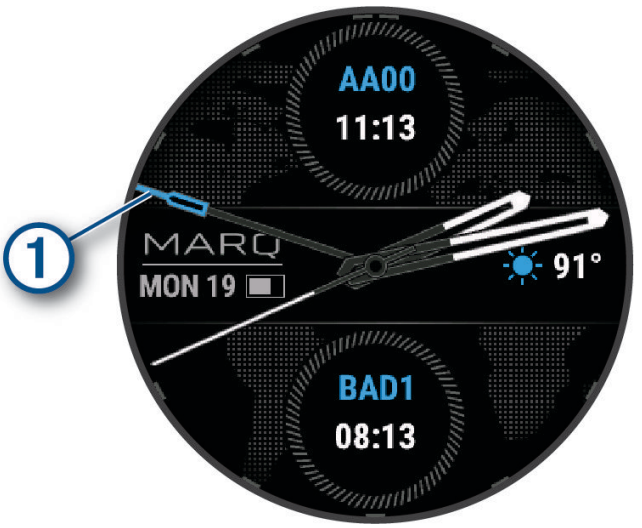
You can customize the appearance of the watch face and the quick access features in the glance loop and controls menu.

Watch Face Settings

You can customize the appearance of the watch face by selecting the layout, colors, and additional data. You can also download custom watch faces from the Connect IQ store.

Default Watch Face

NOTE: When you are traveling during a trip planned in the Garmin Connect app (*Planning a Trip in the Garmin Connect App*, page 86), the default watch face displays information from the Jet Lag Adviser glance (*Using the Jet Lag Adviser*, page 86).



1	Coordinated Universal Time (UTC) hand. References the 24-hour time markings on the watch.

Customizing the Watch Face

Before you can activate a Connect IQ watch face, you must install a watch face from the Connect IQ store (*Connect IQ Features*, page 117).

You can customize the watch face information and appearance, or activate an installed Connect IQ watch face.

1. From the watch face, hold **MENU**.
2. Select **Watch Face**.
3. Press **UP** or **DOWN** to preview the watch face options.
4. Select **Add New** to create a custom digital or analog watch face.
5. Press **START**.
6. Select an option:
   - To activate the watch face, select **Apply**.
   - To change the style of the numbers for the analog watch face, select **Dial**.
   - To change the style of the hands for the analog watch face, select **Hands**.
   - To change the style of the numbers for the digital watch face, select **Layout**.
   - To change the style of the seconds for the digital watch face, select **Seconds**.
   - To change the data that appears on the watch face, select **Data**.
   - To add or change an accent color for the watch face, select **Accent Color**.
   - To change the color of the data that appears on the watch face, select **Data Color**.
   - To change the source of digital time that appears on the default watch face, select **Digital Clock**.
   - To change the source of the weather data that appears on the default watch face, select **Weather**.
   - To remove the watch face, select **Delete**.

Glances

Your watch comes preloaded with glances that provide quick information (*Viewing the Glance Loop*, page 71). Some glances require a Bluetooth connection to a compatible phone.

Some glances are not visible by default. You can add them to the glance loop manually (*Customizing the Glance Loop*, page 71).

Name	Description
Airport information	Displays airport details, including radio frequencies and runway information.
Alternate time zones	Displays the current time of day in additional time zones (*Adding Alternate Time Zones*, page 4).
Altitude acclimation	At altitudes above 800 m (2625 ft.), displays graphs showing altitude-corrected values for your average pulse oximeter reading, respiration rate, and resting heart rate for the last seven days.
Altimeter	Displays the altitude alert threshold, pressure altitude, and barometric pressure correction.
Aviation alerts	Displays aviation alerts (*Aviation Alerts*, page 5).
Aviation weather	Displays the current weather conditions and forecasts (*Viewing Aviation Weather Information*, page 7).
Barometer	Displays the environmental pressure data based on elevation.
Body Battery™	With all-day wear, displays your current Body Battery level and a graph of your level for the last several hours (*Body Battery*, page 72).
Calendar	Displays upcoming meetings from your phone calendar.
Calories	Displays your calorie information for the current day.
Camera controls	Allows you to manually take a photo and record a video clip when paired with a compatible Varia™ headlight or tail light camera (*Using the Varia Camera Controls*, page 103).
Compass	Displays an electronic compass.
Cycling Ability	Displays your rider type, aerobic endurance, aerobic capacity, and anaerobic capacity (*Viewing Cycling Ability*, page 85).
Dog tracking	Displays your dog's location information when you have a compatible dog tracking device paired with your MARQ watch.
Endurance score	Displays a score, graph, and a short message that describes your overall endurance based on all recorded activities (*Endurance Score*, page 84).
Fish forecast	Displays predictions for the best days and times for fishing based on your location, the moon's position, and the moon rise and set times. You can view the rating for the day and major and minor feeding times.
Floors climbed	Tracks your floors climbed and progress toward your goal.
Garmin coach	Displays scheduled workouts when you select a Garmin coach adaptive training plan in your Garmin Connect account. The plan adjusts to your current level of fitness, coaching and schedule preferences, and race date.
Golf	Displays golf scores and statistics for your last round.
Health Snapshot	Starts a Health Snapshot session on your watch that records several key health metrics while you hold still for two minutes. It provides a glimpse of your overall cardiovascular status. The watch records metrics such as your average heart rate, stress level, and respiration rate. Displays summaries of your saved Health Snapshot sessions (*Health Snapshot™*, page 25).
Heart rate	Displays your current heart rate in beats per minute (bpm) and a graph of your average resting heart rate (RHR).

Name	Description
Hill score	Displays a score, graph, contributing metrics, and a short message that describes your hill climbing performance based on your recorded running activities (*Hill Score*, page 85).
History	Displays your activity history and a graph of your recorded activities.
HRV Status	Displays your seven-day average of your overnight heart rate variability (*Heart Rate Variability Status*, page 75).
Intensity minutes	Tracks your time spent participating in moderate to vigorous activities, your weekly intensity minutes goal, and progress toward your goal.
inReach controls	Allows you to send messages on your paired inReach device (*Using the inReach Remote*, page 104).
Jet Lag Adviser	Displays your internal clock during travel, and provides guidance to help you acclimate to the time zone of your destination (*Using the Jet Lag Adviser*, page 86).
Last activity	Displays a brief summary of your last recorded activity.
Last ride Last run Last swim	Displays a brief summary of your last recorded activity and history of the specified sport.
Messenger	Displays your Garmin Messenger™ app conversations and allows you to reply to messages from your watch (*Garmin Messenger App*, page 118).
Moon phase	Displays the moonrise and moonset times, along with the moon phase, based on your GPS position.
Music controls	Provides music player controls for your phone or watch music.
Naps	Displays total nap time and Body Battery level gains. You can start the nap timer and set an alarm to wake you up (*Customizing Sleep Mode*, page 139).
Notifications	Alerts you to incoming calls, texts, social network updates, and more, based on your phone notification settings (*Enabling Bluetooth Notifications*, page 112).
Performance	Displays performance measurements that help you track and understand your training activities and race performances (*Performance Measurements*, page 72).
PLANESYNC	Displays avionics data from a connected aircraft in your Garmin Pilot account.
Primary race	Displays the race event you designate as the primary race in your Garmin Connect calendar (*Race Calendar and Primary Race*, page 56).
Pulse oximeter	Allows you to take a manual pulse oximeter reading (*Getting Pulse Oximeter Readings*, page 95). If you are too active for the watch to determine your pulse oximeter reading, the measurements are not recorded.
Race calendar	Displays your upcoming race events set in your Garmin Connect calendar (*Race Calendar and Primary Race*, page 56).
Recovery	Displays your recovery time. The maximum time is four days.
Respiration	Your current respiration rate in breaths per minute and seven-day average. You can do a breathing activity to help you relax.
Sleep score	Displays total sleep time, a sleep score, and sleep stage information for the previous night.

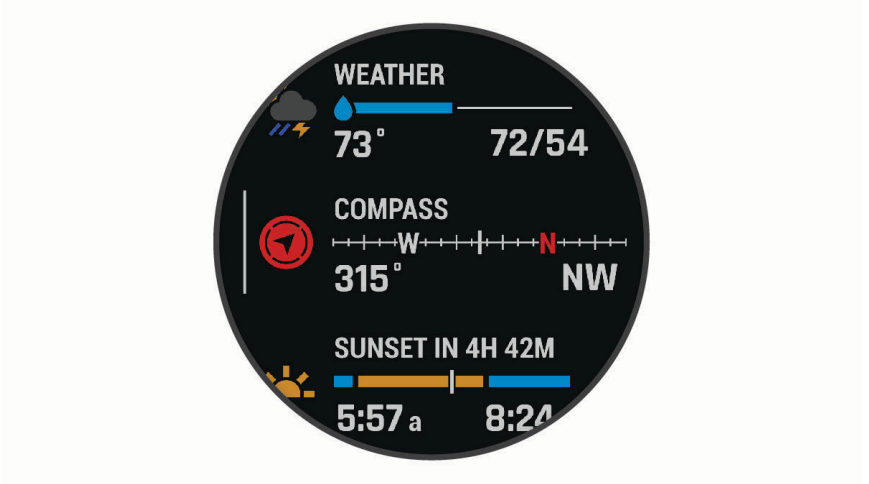
Name	Description
Sleep coach	Provides recommendations for your sleep need based on sleep and activity history, HRV status, and naps.
Steps	Tracks your daily step count, step goal, and data for previous days.
Stocks	Displays a customizable list of stocks (*Adding a Stock*, page 85).
Stress	Displays your current stress level and a graph of your stress level. You can do a breathing activity to help you relax. If you are too active for the watch to determine your stress level, stress measurements are not recorded.
Sunrise and sunset	Displays sunrise, sunset, dawn, and dusk times, along with a map of the sun's current position and a graph of the day's sunlight.
Temperature	Displays temperature data from the internal temperature sensor.
Training readiness	Displays a score and a short message that helps you determine how ready you are for training each day (*Training Readiness*, page 84).
Training status	Displays your current training status and training load, which shows you how your training affects your fitness level and performance (*Training Status*, page 79).
VIRB® controls	Provides camera controls when you have a VIRB device paired with your MARQ watch (*VIRB Remote*, page 104).
Weather	Displays the current temperature and weather forecast. You can also view the current weather conditions on the map using several map overlays.
Xero® device	Displays laser location information when you have a compatible Xero device paired with your MARQ watch (*Xero Laser Location Settings*, page 105).

Viewing the Glance Loop

Glances provide quick access to health data, activity information, built-in sensors, and more. When you pair your watch, you can view data from your phone, such as notifications, weather, and calendar events.

1 Press **UP** or **DOWN**.

The watch scrolls through the glance loop and displays summary data for each glance.



TIP: You can also swipe to scroll or tap to select options.

2 Press **START** to view more information.

3 Select an option:

- Press **DOWN** to view details about a glance.
- Press **START** to view additional options and functions for a glance.

Customizing the Glance Loop

1 Hold **MENU**.

2 Select **Appearance** > **Glances**.

3 Select an option:

- To change the location of a glance in the loop, select a glance, and press **UP** or **DOWN**.
- To remove a glance from the loop, select a glance, and select .
- To add a glance to the loop, select **Add**, and select a glance.

  TIP: You can select **CREATE FOLDER** to create folders that contain multiple glances (*Creating Glance Folders*, page 71).

Creating Glance Folders

You can customize the glance loop to create folders of related glances.

1 Hold **MENU**.

2 Select **Appearance** > **Glances** > **Add** > **CREATE FOLDER**.

3 Select the glances to include in the folder, and select **Done**.

NOTE: If the glances are already in the glance loop, you can move or copy them into the folder.

4 Select or enter a name for the folder.

5 Select an icon for the folder.

6 If necessary, select an option:

- To edit the folder, scroll to the folder in the glance loop, and hold **MENU**.
- To edit the glances in the folder, open the folder and select **Edit** (*Customizing the Glance Loop*, page 71).

Body Battery

Your watch analyzes your heart rate variability, stress level, sleep quality, and activity data to determine your overall Body Battery level. Like a gas gauge on a car, it indicates your amount of available reserve energy. The Body Battery level range is from 5 to 100, where 5 to 25 is very low reserve energy, 26 to 50 is low reserve energy, 51 to 75 is medium reserve energy, and 76 to 100 is high reserve energy.

You can sync your watch with your Garmin Connect account to view your most up-to-date Body Battery level, long-term trends, and additional details (*Tips for Improved Body Battery Data*, page 72).

Tips for Improved Body Battery Data

- For more accurate results, wear the watch while sleeping.
- Good sleep charges your Body Battery.
- Strenuous activity and high stress can cause your Body Battery to drain more quickly.
- Food intake, as well as stimulants like caffeine, has no impact on your Body Battery.

Performance Measurements

These performance measurements are estimates that can help you track and understand your training activities and race performances. The measurements require a few activities using wrist-based heart rate or a compatible chest heart rate monitor. Cycling performance measurements require a heart rate monitor and a power meter.

These estimates are provided and supported by Firstbeat Analytics™. For more information, go to garmin.com/performance-data/running.

NOTE: The estimates may seem inaccurate at first. The watch requires you to complete a few activities to learn about your performance.

VO2 max.: VO2 max. is the maximum volume of oxygen (in milliliters) you can consume per minute per kilogram of body weight at your maximum performance (*About VO2 Max. Estimates*, page 73).

Predicted race times: The watch uses the VO2 max. estimate and your training history to provide a target race time based on your current state of fitness (*Viewing Your Predicted Race Times*, page 74).

HRV status: The watch analyzes your wrist heart rate readings while you are sleeping to determine your heart rate variability (HRV) status based on your personal, long-term HRV averages (*Heart Rate Variability Status*, page 75).

Performance condition: Your performance condition is a real-time assessment after 6 to 20 minutes of activity. It can be added as a data field so you can view your performance condition during the rest of your activity. It compares your real-time condition to your average fitness level (*Performance Condition*, page 76).

Functional threshold power (FTP): The watch uses your user profile information from the initial setup to estimate your FTP (*Getting Your FTP Estimate*, page 77).

Lactate threshold: Lactate threshold requires a chest heart rate monitor. Lactate threshold is the point where your muscles start to rapidly fatigue. Your watch measures your lactate threshold level using heart rate data and pace (*Lactate Threshold*, page 77).

Stamina: The watch uses your VO2 max. estimate and heart rate data to provide real-time stamina estimates. It can be added as a data screen so you can view your potential and current stamina during your activity (*Viewing Your Real-Time Stamina*, page 78).

Power curve (cycling): The power curve displays your sustained power output over time. You can view your power curve for the previous month, three months, or twelve months (*Viewing Your Power Curve*, page 78).

About VO2 Max. Estimates

VO2 max. is the maximum volume of oxygen (in milliliters) you can consume per minute per kilogram of body weight at your maximum performance. In simple terms, VO2 max. is an indication of athletic performance and should increase as your level of fitness improves. The MARQ Aviator device requires wrist-based heart rate or a compatible chest heart rate monitor to display your VO2 max. estimate. The device has separate VO2 max. estimates for running and cycling. You must run either outside with GPS or ride with a compatible power meter at a moderate level of intensity for several minutes to get an accurate VO2 max. estimate.

On the device, your VO2 max. estimate appears as a number, description, and position on the color gauge. On your Garmin Connect account, you can view additional details about your VO2 max. estimate, such as where it ranks for your age and sex.

Purple	Superior
Blue	Excellent
Green	Good
Orange	Fair
Red	Poor

VO2 max. data is provided by Firstbeat Analytics. VO2 max. analysis is provided with permission from The Cooper Institute®. For more information, see the appendix (*VO2 Max. Standard Ratings*, page 166), and go to www.CooperInstitute.org.

Getting Your VO2 Max. Estimate for Running

This feature requires wrist-based heart rate or a compatible chest heart rate monitor. If you are using a chest heart rate monitor, you must put it on and pair it with your watch (*Pairing Your Wireless Sensors*, page 101).

For the most accurate estimate, complete the user profile setup (*Setting Up Your User Profile*, page 120), and set your maximum heart rate (*Setting Your Heart Rate Zones*, page 122). The estimate may seem inaccurate at first. The watch requires a few runs to learn about your running performance. You can disable VO2 max. recording for ultra run and trail run activities if you do not want those run types to affect your VO2 max. estimate (*Activities and App Settings*, page 49).

1. Start a running activity.
2. Run outdoors at a moderate or high intensity, reaching at least 70% of your maximum heart rate.
3. After at least 10 minutes, select **Save**.
4. Press **UP** or **DOWN** to scroll through the performance measurements.

Getting Your VO2 Max. Estimate for Cycling

This feature requires a power meter and wrist-based heart rate or a compatible chest heart rate monitor. The power meter must be paired with your watch (*Pairing Your Wireless Sensors*, page 101). If you are using a chest heart rate monitor, you must put it on and pair it with your watch.

For the most accurate estimate, complete the user profile setup (*Setting Up Your User Profile*, page 120) and set your maximum heart rate (*Setting Your Heart Rate Zones*, page 122). The estimate may seem inaccurate at first. The watch requires a few rides to learn about your cycling performance.

1. Start a cycling activity.
2. Ride at a steady, high intensity for at least 20 minutes.
3. After your ride, select **Save**.
4. Press **UP** or **DOWN** to scroll through the performance measurements.

Viewing Your Predicted Race Times

For the most accurate estimate, complete the user profile setup (*Setting Up Your User Profile*, page 120), and set your maximum heart rate (*Setting Your Heart Rate Zones*, page 122).

Your watch uses the VO2 max. estimate and your training history to provide a target race time (*About VO2 Max. Estimates*, page 73). The watch analyzes several weeks of your training data to refine the race time estimates.

1. From the watch face, press **UP** or **DOWN** to view the performance glance.
2. Press **START** to view glance details.
3. Press **UP** or **DOWN** to view a predicted race time.

4. Press **START** to view predictions for other distances.

   NOTE: The predictions may seem inaccurate at first. The watch requires a few runs to learn about your running performance.

Heart Rate Variability Status

Your watch analyzes your wrist heart rate readings while you are sleeping to determine your heart rate variability (HRV). Training, physical activity, sleep, nutrition, and healthy habits all impact your heart rate variability. HRV values can vary widely based on gender, age, and fitness level. A balanced HRV status may indicate positive signs of health such as good training and recovery balance, greater cardiovascular fitness, and resilience to stress. An unbalanced or poor status may be a sign of fatigue, greater recovery needs, or increased stress. For best results, you should wear the watch while sleeping. The watch requires three weeks of consistent sleep data to display your heart rate variability status.

Color Zone	Status	Description
Green	Balanced	Your seven-day average HRV is within your baseline range.
Orange	Unbalanced	Your seven-day average HRV is above or below your baseline range.
Red	Low	Your seven-day average HRV is well below your baseline range.
No color	Poor No status	Your HRV values are averaging well below the normal range for your age. No status means that there is insufficient data to generate a seven-day average.

You can sync your watch with your Garmin Connect account to view your current heart rate variability status, trends, and educational feedback.

Heart Rate Variability and Stress Level

Stress level is the result of a three-minute test performed while standing still, where the MARQ device analyzes heart rate variability to determine your overall stress. Training, sleep, nutrition, and general life stress all impact how a runner performs. The stress level range is from 1 to 100, where 1 is a very low stress state and 100 is a very high stress state. Knowing your stress level can help you decide if your body is ready for a tough training run or yoga.

Viewing Your Heart Rate Variability and Stress Level

This feature requires a Garmin chest heart rate monitor. Before you can view your heart rate variability (HRV) stress level, you must put on a heart rate monitor and pair it with your device (*Pairing Your Wireless Sensors*, page 101).

TIP: Garmin recommends that you measure your stress level at approximately the same time and under the same conditions every day.

1. If necessary, press **START**, and select **Add** > **HRV Stress** to add the stress app to the apps list.
2. Select **Yes** to add the app to your list of favorites.
3. From the watch face, press **START**, select **HRV Stress**, and press **START**.
4. Stand still, and rest for 3 minutes.

Performance Condition

As you complete your activity, such as running or cycling, the performance condition feature analyzes your pace, heart rate, and heart rate variability to make a real-time assessment of your ability to perform compared to your average fitness level. It is approximately your real-time percentage deviation from your baseline VO2 max. estimate.

Performance condition values range from -20 to +20. After the first 6 to 20 minutes of your activity, the device displays your performance condition score. For example, a score of +5 means that you are rested, fresh, and capable of a good run or ride. You can add performance condition as a data field to one of your training screens to monitor your ability throughout the activity. Performance condition can also be an indicator of fatigue level, especially at the end of a long training run or ride.

NOTE: The device requires a few runs or rides with a heart rate monitor to get an accurate VO2 max. estimate and learn about your running or riding ability (*About VO2 Max. Estimates*, page 73).

Viewing Your Performance Condition

This feature requires wrist-based heart rate or a compatible chest heart rate monitor.

1. Add **Performance Condition** to a data screen (*Customizing the Data Screens*, page 48).
2. Go for a run or ride.

   After 6 to 20 minutes, your performance condition appears.
3. Scroll to the data screen to view your performance condition throughout the run or ride.

Getting Your FTP Estimate

Before you can get your functional threshold power (FTP) estimate, you must pair a power meter with your watch (*Pairing Your Wireless Sensors*, page 101), and you must get your VO2 max. estimate (*Getting Your VO2 Max. Estimate for Cycling*, page 74).

The watch uses your user profile information from the initial setup and your VO2 max. estimate to estimate your FTP. The watch will automatically detect your FTP during steady, high intensity rides with a power meter. For best results, you should also ride with a heart rate monitor.

1. From the watch face, press **UP** or **DOWN** to view the performance glance.
2. Press **START**.
3. Press **UP** or **DOWN** to view your FTP estimate.

   Your FTP estimate appears as a value measured in watts per kilogram, your power output in watts, and a position on the color gauge.

Purple	Superior
Blue	Excellent
Green	Good
Orange	Fair
Red	Untrained

   For more information, see the appendix (*FTP Ratings*, page 167).

Lactate Threshold

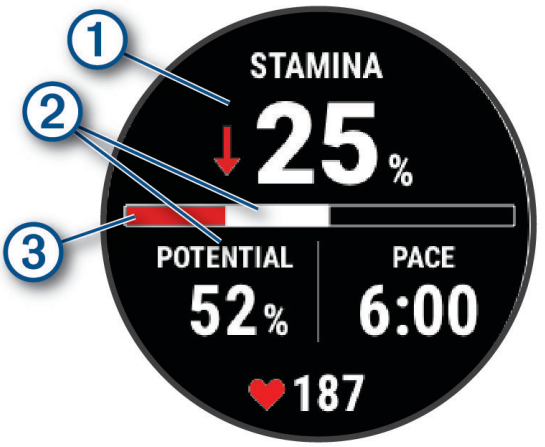
Lactate threshold is the exercise intensity at which lactate (lactic acid) starts to accumulate in the bloodstream. In running, this intensity level is estimated in terms of pace, heart rate, or power. When a runner exceeds the threshold, fatigue starts to increase at an accelerating rate. For experienced runners, the threshold occurs at approximately 90% of their maximum heart rate and between 10 km and half-marathon race pace. For average runners, the lactate threshold often occurs well below 90% of maximum heart rate. Knowing your lactate threshold can help you determine how hard to train or when to push yourself during a race.

If you already know your lactate threshold heart rate value, you can enter it in your user profile settings (*Setting Your Heart Rate Zones*, page 122). You can turn on the **Auto Detection** feature to automatically record your lactate threshold during an activity.

Viewing Your Real-Time Stamina

Your watch can provide real-time stamina estimates based on your heart rate data and VO2 max. estimate (*About VO2 Max. Estimates*, page 73).

1. Hold **MENU**.
2. Select **Activities & Apps**.
3. Select a run or bike activity.
4. Select the activity settings.
5. Select **Data Screens** > **Add New** > **Stamina**.
6. Press **UP** or **DOWN** to change the location of the data screen (optional).
7. Press **START** to edit the primary stamina data field (optional).
8. Start your activity (*Starting an Activity*, page 18).
9. Press **UP** or **DOWN** to scroll to the data screen.



1	Primary stamina data field. Shows your current stamina percentage, distance remaining, or time remaining.
2	Potential stamina.
3	Current stamina. Red: Stamina is depleting. Orange: Stamina is steady. Green: Stamina is recharging.

Viewing Your Power Curve

Before you can view your power curve, you must record a ride that's at least one hour long using a power meter in the last 90 days (*Pairing Your Wireless Sensors*, page 101).

You can create workouts in your Garmin Connect account. The power curve displays your sustained power output over time. You can view your power curve for the previous month, three months, or twelve months.

1. From the Garmin Connect app, select •••.
2. Select **Performance Stats** > **Power Curve**.

Training Status

These measurements are estimates that can help you track and understand your training activities. The measurements require you to complete activities for two weeks using wrist-based heart rate or a compatible chest heart rate monitor. Cycling performance measurements require a heart rate monitor and a power meter. The measurements may seem inaccurate at first when the watch is still learning about your performance.

These estimates are provided and supported by Firstbeat Analytics. For more information, go to garmin.com/performance-data/running.

Training status: Training status shows you how your training affects your fitness and performance. Your training status is based on changes to your VO2 max., acute load, and HRV status over an extended time period.

VO2 max.: VO2 max. is the maximum volume of oxygen (in milliliters) you can consume per minute per kilogram of body weight at your maximum performance (*About VO2 Max. Estimates*, page 73). Your watch displays heat and altitude corrected VO2 max. values when you are acclimating to high heat environments or high altitude (*Heat and Altitude Performance Acclimation*, page 83).

HRV: HRV is your heart rate variability status over the last seven days (*Heart Rate Variability Status*, page 75).

Acute load: Acute load is a weighted sum of your recent exercise load scores including exercise duration and intensity. (*Acute Load*, page 80).

Training load focus: Your watch analyzes and distributes your training load into different categories based on the intensity and structure of each activity recorded. Training load focus includes the total load accumulated per category, and the focus of the training. Your watch displays your load distribution over the last 4 weeks (*Training Load Focus*, page 81).

Recovery time: The recovery time displays how much time remains before you are fully recovered and ready for the next hard workout (*Recovery Time*, page 82).

Training Status Levels

Training status shows you how your training affects your fitness level and performance. Your training status is based on changes to your VO2 max., acute load, and HRV status over an extended time period. You can use your training status to help plan future training and continue improving your fitness level.

No Status: The watch needs you to record multiple activities over two weeks, with VO2 max. results from running or cycling, to determine your training status.

Detraining: You have a break in your training routine or you are training much less than usual for a week or more. Detraining means that you are unable to maintain your fitness level. You can try increasing your training load to see improvement.

Recovery: Your lighter training load is allowing your body to recover, which is essential during extended periods of hard training. You can return to a higher training load when you feel ready.

Maintaining: Your current training load is enough to maintain your fitness level. To see improvement, try adding more variety to your workouts or increasing your training volume.

Productive: Your current training load is moving your fitness level and performance in the right direction. You should plan recovery periods into your training to maintain your fitness level.

Peaking: You are in ideal race condition. Your recently reduced training load is allowing your body to recover and fully compensate for earlier training. You should plan ahead, since this peak state can only be maintained for a short time.

Overreaching: Your training load is very high and counterproductive. Your body needs a rest. You should give yourself time to recover by adding lighter training to your schedule.

Unproductive: Your training load is at a good level, but your fitness is decreasing. Try focusing on rest, nutrition, and stress management.

Strained: There is imbalance between your recovery and training load. It is a normal result after a hard training or major event. Your body may be struggling to recover, so you should pay attention to your overall health.

Tips for Getting Your Training Status

The training status feature depends on updated assessments of your fitness level, including at least one VO2 max. measurement per week (*About VO2 Max. Estimates*, page 73). Indoor run activities do not generate a VO2 max. estimate in order to preserve the accuracy of your fitness level trend. You can disable VO2 max. recording for ultra run and trail run activities if you do not want those run types to affect your VO2 max. estimate (*Activities and App Settings*, page 49).

To get the most out of the training status feature, you can try these tips.

- At least one time per week, run or ride outdoors with a power meter, and reach a heart rate higher than 70% of your maximum heart rate for at least 10 minutes.

  After using the watch for one or two weeks, your training status should be available.
- Record all of your fitness activities on your primary training device, allowing your watch to learn about your performance (*Syncing Activities and Performance Measurements*, page 56).
- Wear the watch consistently while you sleep, to continue generating an up-to-date HRV status. Having a valid HRV status can help maintain a valid training status when you do not have as many activities with VO2 max. measurements.

Acute Load

Acute load is a weighted sum of your excess post-exercise oxygen consumption (EPOC) for the last several days. The gauge indicates whether your current load is low, optimal, high, or very high. The optimal range is based on your individual fitness level and training history. The range adjusts as your training time and intensity increase or decrease.

Training Load Focus

In order to maximize performance and fitness gains, training should be distributed across three categories: low aerobic, high aerobic, and anaerobic. Training load focus shows you how much of your training is currently in each category and provides training targets. Training load focus requires at least 7 days of training to determine if your training load is low, optimal, or high. After 4 weeks of training history, your training load estimate will have more detailed target information to help you balance your training activities.

Below targets: Your 4-week training load is lower than optimal in all intensity categories.

Low aerobic shortage: Try adding more low aerobic activities to provide recovery and balance for your higher intensity activities.

High aerobic shortage: Try adding more high aerobic activities to help improve your lactate threshold and VO2 max. over time.

Anaerobic shortage: Try adding a few more intense, anaerobic activities to improve your speed and anaerobic capacity over time.

Balanced: Your training load is balanced and provides all-around fitness benefits as you continue training.

Low aerobic focus: Your training load is mostly low aerobic activity. This provides a solid foundation and prepares you for adding more intense workouts.

High aerobic focus: Your training load is mostly high aerobic activity. These activities help to improve lactate threshold, VO2 max., and endurance.

Anaerobic focus: Your training load is mostly intense activity. This leads to rapid fitness gains, but should be balanced with low aerobic activities.

Above targets: Your 4-week training load is higher than optimal.

Load Ratio

Load ratio is the ratio of your acute (short-term) training load to your chronic (long-term) training load. It's helpful for tracking your training load changes.

Status	Value	Description
No Status	None	Load ratio will be visible after 2 weeks of training.
Low	Lower than 0.8	Your short-term training load is lower than your long-term training load.
Optimal	0.8 to 1.4	The short-term and long-term training loads are balanced. The optimal range is based on your individual fitness level and training history.
High	1.5 to 1.9	Your short-term training load is higher than your long-term training load.
Very High	2.0 or higher	Your short-term training load is significantly higher than your long-term training load.

About Training Effect

Training Effect measures the impact of an activity on your aerobic and anaerobic fitness. Training Effect accumulates during the activity. As the activity progresses, the Training Effect value increases. Training Effect is determined by your user profile information and training history, and heart rate, duration, and intensity of your activity. There are seven different Training Effect labels to describe the primary benefit of your activity. Each label is color coded and corresponds to your training load focus (*Training Load Focus*, page 81). Each feedback phrase, for example, "Highly Impacting VO2 Max." has a corresponding description in your Garmin Connect activity details.

Aerobic Training Effect uses your heart rate to measure how the accumulated intensity of an exercise affects your aerobic fitness and indicates if the workout had a maintaining or improving effect on your fitness level. Your excess post-exercise oxygen consumption (EPOC) accumulated during exercise is mapped to a range of values that account for your fitness level and training habits. Steady workouts at moderate effort or workouts involving longer intervals (>180 seconds) have a positive impact on your aerobic metabolism and result in an improved aerobic Training Effect.

Anaerobic Training Effect uses heart rate and speed (or power) to determine how a workout affects your ability to perform at very high intensity. You receive a value based on the anaerobic contribution to EPOC and the type of activity. Repeated high-intensity intervals of 10 to 120 seconds have a highly beneficial impact on your anaerobic capability and result in an improved anaerobic Training Effect.

You can add Aerobic Training Effect and Anaerobic Training Effect as data fields to one of your training screens to monitor your numbers throughout the activity.

Training Effect	Aerobic Benefit	Anaerobic Benefit
From 0.0 to 0.9	No benefit.	No benefit.
From 1.0 to 1.9	Minor benefit.	Minor benefit.
From 2.0 to 2.9	Maintains your aerobic fitness.	Maintains your anaerobic fitness.
From 3.0 to 3.9	Impacts your aerobic fitness.	Impacts your anaerobic fitness.
From 4.0 to 4.9	Highly impacts your aerobic fitness.	Highly impacts your anaerobic fitness.
5.0	Overreaching and potentially harmful without enough recovery time.	Overreaching and potentially harmful without enough recovery time.

Training Effect technology is provided and supported by Firstbeat Analytics. For more information, go to firstbeat.com.

Recovery Time

You can use your Garmin device with wrist-based heart rate or a compatible chest heart rate monitor to display how much time remains before you are fully recovered and ready for the next hard workout.

NOTE: The recovery time recommendation uses your VO2 max. estimate and may seem inaccurate at first. The device requires you to complete a few activities to learn about your performance.

The recovery time appears immediately following an activity. The time counts down until it is optimal for you to attempt another hard workout. The device updates your recovery time throughout the day based on changes in sleep, stress, relaxation, and physical activity.

Recovery Heart Rate

If you are training with wrist-based heart rate or a compatible chest heart rate monitor, you can check your recovery heart rate value after each activity. Recovery heart rate is the difference between your exercising heart rate and your heart rate two minutes after the exercise has stopped. For example, after a typical training run, you stop the timer. Your heart rate is 140 bpm. After two minutes of no activity or cool down, your heart rate is 90 bpm. Your recovery heart rate is 50 bpm (140 minus 90). Some studies have linked recovery heart rate to cardiac health. Higher numbers generally indicate healthier hearts.

TIP: For best results, you should stop moving for two minutes while the device calculates your recovery heart rate value.

NOTE: Your recovery heart rate is not calculated for low-impact activities, such as yoga.

Heat and Altitude Performance Acclimation

Environmental factors such as high temperature and altitude impact your training and performance. For example, high altitude training can have a positive impact on your fitness, but you may notice a temporary VO2 max. decline while exposed to high altitudes. Your MARQ Aviator watch provides acclimation notifications and corrections to your VO2 max. estimate and training status when the temperature is above 22ºC (72ºF) and when the altitude is above 800 m (2625 ft.). You can keep track of your heat and altitude acclimation in the training status glance.

NOTE: The heat acclimation feature is available only for GPS activities and requires weather data from your connected phone.

Pausing and Resuming Your Training Status

If you are injured or sick, you can pause your training status. You can continue to record fitness activities, but your training status, training load focus, recovery feedback, and workout recommendations are temporarily disabled.

You can resume your training status when you are ready to start training again. For best results, you need at least one VO2 max. measurement each week (*About VO2 Max. Estimates*, page 73).

1. When you want to pause your training status, select an option:
   - From the training status glance, hold **MENU**, and select **Options** > **Pause Training Status**.
   - From your Garmin Connect settings, select **Performance Stats** > **Training Status** > ⋮ > **Pause Training Status**.
2. Sync your watch with your Garmin Connect account.
3. When you want to resume your training status, select an option:
   - From the training status glance, hold **MENU**, and select **Options** > **Resume Training Status**.
   - From your Garmin Connect settings, select **Performance Stats** > **Training Status** > ⋮ > **Resume Training Status**.
4. Sync your watch with your Garmin Connect account.

Training Readiness

Your training readiness is a score and a short message that helps you determine how ready you are for training each day. The score is continuously calculated and updated throughout the day using these factors:

- Sleep score (last night)
- Recovery time
- HRV status
- Acute load
- Sleep history (last 3 nights)
- Stress history (last 3 days)

Color Zone	Score	Description
Purple	95 to 100	Prime Best possible
Blue	75 to 94	High Ready for challenges
Green	50 to 74	Moderate Good to go
Orange	25 to 49	Low Time to slow down
Red	1 to 24	Poor Let your body recover

To view historical training readiness scores, go to your Garmin Connect account.

Endurance Score

Your endurance score helps you understand your overall endurance based on all recorded activities with heart rate data. You can view recommendations for improving your endurance score, and the top sports contributing to your score over time.

Color Zone	Description
Pink	Elite
Purple	Superior
Blue	Expert
Green	Well Trained
Yellow	Trained
Orange	Intermediate
Red	Recreational

For more information, see the appendix (*Endurance Score Ratings*, page 168).

Hill Score

Your hill score helps you understand your current capacity for uphill running based on your training history and a VO2 max. estimate from the last two months. Your watch detects uphill segments with 2% grade or more during an outdoor running, walking, or hiking activity. You can view your hill endurance, hill strength, and changes to your hill score over time.

Color Zone	Score	Description
Pink	95 to 100	Elite
Purple	85 to 94	Expert
Blue	70 to 84	Skilled
Green	50 to 69	Trained
Orange	25 to 49	Challenger
Red	1 to 24	Recreational

Viewing Cycling Ability

Before you can view your cycling ability, you must have a 7-day training history, VO2 max. data recorded in your user profile (*About VO2 Max. Estimates*, page 73), and power curve data from a paired power meter (*Viewing Your Power Curve*, page 78).

Cycling ability is a measurement of your performance across three categories: aerobic endurance, aerobic capacity, and anaerobic capacity. Cycling ability includes your current rider type, such as climber. Information you enter in your user profile, such as body weight, also helps determine your rider type (*Setting Up Your User Profile*, page 120).

1. Press **UP** or **DOWN** to view the cycling ability glance.
   NOTE: You may need to add the glance to your glance loop (*Customizing the Glance Loop*, page 71).
2. Press **START** to view your current rider type.
3. Press **START** to view a detailed analysis of your cycling ability (optional).

Adding a Stock

Before you can customize the stocks list, you must add the stocks glance to the glance loop (*Customizing the Glance Loop*, page 71).

1. From the watch face, press **UP** or **DOWN** to view the stocks glance.
2. Press **START**.
3. Select **Add Stock**.
4. Enter the company name or stock symbol for the stock you want to add, and select ✓.
   The watch displays search results.
5. Select the stock you want to add.
6. Select the stock to view more information.
   TIP: To display the stock on the glance loop, you can press START, and select Set as Favorite.

Adding Weather Locations

1. From the watch face, press **UP** or **DOWN** to view the weather glance.
2. Press **START**.
3. On the first glance screen, press **START**.
4. Select **Add Location**, and search for a location.
5. If necessary, repeat steps 3 and 4 to add more locations.
6. Press **START**, and select a location to show the weather for that location.

Using the Jet Lag Adviser

Before you can use the Jet Lag Adviser glance, you must plan a trip in the Garmin Connect app (*Planning a Trip in the Garmin Connect App*, page 86).

You can use the Jet Lag Adviser glance while traveling to see how your internal clock compares to the local time, and to receive guidance on how to reduce the effects of jet lag.

1. From the watch face, press **UP** or **DOWN** to view the **Jet Lag Adviser** glance.
2. Press **START** to see how your internal clock compares to the local time, and the overall level of your jet lag.
3. Select an option:
   - To see an informational message about your current jet lag level, press **START**.
   - To see a timeline for recommended actions to help reduce symptoms of jet lag, press **DOWN**.

Planning a Trip in the Garmin Connect App

1. From the Garmin Connect app, select •••.
2. Select **Training & Planning** > **Jet Lag Adviser** > **Add Trip Details**.
3. Follow the on-screen instructions.

Controls

The controls menu lets you quickly access watch features and options. You can add, reorder, and remove the options in the controls menu (*Customizing the Controls Menu*, page 90).

From any screen, hold **LIGHT**.

Icon	Name	Description
	Airplane Mode	Select to enable or disable airplane mode to turn off all wireless communications.
	Alarm Clock	Select to add or edit an alarm (*Setting an Alarm*, page 2).
	Altimeter	Select to open the altimeter screen.
	Alt. Time Zones	Select to view the current time of day in additional time zones (*Adding Alternate Time Zones*, page 4).
	Assistance	Select to send an assistance request (*Requesting Assistance*, page 125).
	Barometer	Select to open the barometer screen.
	Battery Saver	Select to enable or disable the battery saver feature (*Customizing the Battery Saver Feature*, page 136).
	Brightness	Select to adjust the screen brightness (*Changing the Screen Settings*, page 138).
	Broadcast Heart Rate	Select to turn on heart rate broadcasting to a paired device (*Broadcasting Heart Rate Data*, page 94).
	Calendar	Select to view upcoming events from your phone calendar.
	Clocks	Select to open the Clocks app to set an alarm, timer, stopwatch, or view alternate time zones (*Clocks*, page 2).
	Compass	Select to open the compass screen.
	Direct-To	Select to search for an airport by its identifier, view the nearest waypoints, or view your favorite airport.
	Display	Turns off the screen for alerts, gestures, and Always On Display mode (*Changing the Screen Settings*, page 138).
	Do Not Disturb	Select to enable or disable do not disturb mode to dim the screen and disable alerts and notifications. For example, you can use this mode while watching a movie.
	Find My Phone	Select to play an audible alert on your paired phone, if it is within Bluetooth range. The Bluetooth signal strength appears on the MARQ watch screen, and it increases as you move closer to your phone. Select to navigate to your lost phone during a GPS activity (*Locating a Phone Lost During a GPS Activity*, page 114).
	Flashlight	Select to turn on the screen to use your watch as a flashlight.
	Garmin Share	Select to open the Garmin Share app (*Garmin Share*, page 119).
	History	Select to view your activity history, records, and totals.

Icon	Name	Description
	Lock Device	Select to lock the buttons and the touchscreen to prevent inadvertent presses and swipes.
	Messenger	Select to open the Messenger app (*Using the Messenger Feature*, page 118).
	Moon Phase	Select to view moonrise and moonset times, along with the moon phase, based on your GPS position.
	Music Controls	Select to control music playback on your watch or phone.
	Notifications	Select to view calls, texts, social network updates, and more, based on your phone notification settings (*Enabling Bluetooth Notifications*, page 112).
	Phone	Select to enable or disable Bluetooth technology and your connection to your paired phone.
	Power Off	Select to turn off the watch.
	Pulse Ox	Select to open the pulse oximeter app (*Pulse Oximeter*, page 94).
	RCT Camera	Select to manually take a photo and record a video clip (*Using the Varia Camera Controls*, page 103).
	Red Shift	Select to turn the screen to shades of red to use the watch in low light conditions.
	Reference Point	Select to set a reference point for navigation (*Setting a Reference Point*, page 129).
	Save Location	Select to save your current location to navigate back to it later.
	Settings	Select to open the settings menu.
	Sleep Mode	Select to enable or disable Sleep Mode (*Customizing Sleep Mode*, page 139).
	Stopwatch	Select to start the stopwatch (*Using the Stopwatch*, page 4).
	Sunrise & Sunset	Select to view sunrise, sunset, and twilight times.
	Sync	Select to sync your watch with your paired phone.
	Time Sync	Select to sync your watch with the time on your phone or using satellites.
	Timers	Select to set a countdown timer (*Starting the Countdown Timer*, page 3).
	Touch	Select to enable or disable touchscreen controls.
	Wallet	Select to open your Garmin Pay™ wallet and pay for purchases with your watch (*Garmin Pay*, page 90).

Icon	Name	Description
	Weather	Select to view the current weather forecast and current conditions.
	Wi-Fi	Select to enable or disable Wi-Fi communications.

Customizing the Controls Menu

You can add, remove, and change the order of the shortcut menu options in the controls menu (*Controls*, page 87).

1. Hold **MENU**.
2. Select **Appearance** > **Controls**.
3. Select a shortcut to customize.
4. Select an option:
   - Select **Reorder** to change the location of the shortcut in the controls menu.
   - Select **Remove** to remove the shortcut from the controls menu.
5. If necessary, select **Add New** to add an additional shortcut to the controls menu.

Using the Flashlight Screen

Using the flashlight can reduce battery life. You can reduce the brightness to extend the life of the battery.

1. Hold **LIGHT**.
2. Select .
3. Press **UP** or **DOWN** to adjust the brightness and color.

   TIP: You can quickly press LIGHT twice to turn on the flashlight at this setting in the future.

Garmin Pay

The Garmin Pay feature allows you to use your watch to pay for purchases in participating locations using credit or debit cards from a participating financial institution.

Setting Up Your Garmin Pay Wallet

You can add one or more participating credit or debit cards to your Garmin Pay wallet. Go to garmin.com/garminpay/banks to find participating financial institutions.

1. From the Garmin Connect app, select •••.
2. Select **Garmin Pay** > **Get Started**.
3. Follow the on-screen instructions.

Paying for a Purchase Using Your Watch

Before you can use your watch to pay for purchases, you must set up at least one payment card.

You can use your watch to pay for purchases in a participating location.

1. Hold **LIGHT**.
2. Select .
3. Enter your four-digit passcode.

   NOTE: If you enter your passcode incorrectly three times, your wallet locks, and you must reset your passcode in the Garmin Connect app.

   Your most recently used payment card appears.
4. If you have added multiple cards to your Garmin Pay wallet, swipe to change to another card (optional).
5. If you have added multiple cards to your Garmin Pay wallet, select **DOWN** to change to another card (optional).
6. Within 60 seconds, hold your watch near the payment reader, with the watch facing the reader.

   The watch vibrates and displays a check mark when it is finished communicating with the reader.
7. If necessary, follow the instructions on the card reader to complete the transaction.

TIP: After you successfully enter your passcode, you can make payments without a passcode for 24 hours while you continue to wear your watch. If you remove the watch from your wrist or disable heart rate monitoring, you must enter the passcode again before making a payment.

Adding a Card to Your Garmin Pay Wallet

You can add up to 10 credit or debit cards to your Garmin Pay wallet.

1. From the Garmin Connect app, select •••.
2. Select **Garmin Pay** > ⋮ > **Add Card**.
3. Follow the on-screen instructions.

After the card is added, you can select the card on your watch when you make a payment.

Managing Your Garmin Pay Cards

You can temporarily suspend or delete a card.

NOTE: In some countries, participating financial institutions may restrict the Garmin Pay features.

1. From the Garmin Connect app, select •••.
2. Select **Garmin Pay**.
3. Select a card.
4. Select an option:
   - To temporarily suspend or unsuspend the card, select **Suspend Card**.

     The card must be active to make purchases using your MARQ Aviator watch.
   - To delete the card, select .

Changing Your Garmin Pay Passcode

You must know your current passcode to change it. If you forget your passcode, you must reset the Garmin Pay feature for your MARQ Aviator watch, create a new passcode, and reenter your card information.

1. From the Garmin Connect app, select •••.
2. Select **Garmin Pay** > **Change Passcode**.
3. Follow the on-screen instructions.

The next time you pay using your MARQ Aviator watch, you must enter the new passcode.

Morning Report

Your watch displays a morning report based on your normal wake time. Press **DOWN** to view the report, which includes weather, sleep, overnight heart rate variability status, and more (*Customizing Your Morning Report*, page 92).

Customizing Your Morning Report

NOTE: You can customize these settings on you watch or in your Garmin Connect account.

1. Hold **MENU**.
2. Select **Appearance** > **Morning Report**.
3. Select an option:
   - Select **Show Report** to enable or disable the morning report.
   - Select **Edit Report** to customize the order and type of data that appears in your morning report.

Sensors and Accessories

The MARQ Aviator watch has several internal sensors, and you can pair additional wireless sensors for your activities.

Wrist Heart Rate

Your watch has a wrist-based heart rate monitor, and you can view your heart rate data on the heart rate glance (*Viewing the Glance Loop*, page 71).

The watch is also compatible with chest heart rate monitors. If both wrist-based heart rate and chest heart rate data are available when you start an activity, your watch uses the chest heart rate data.

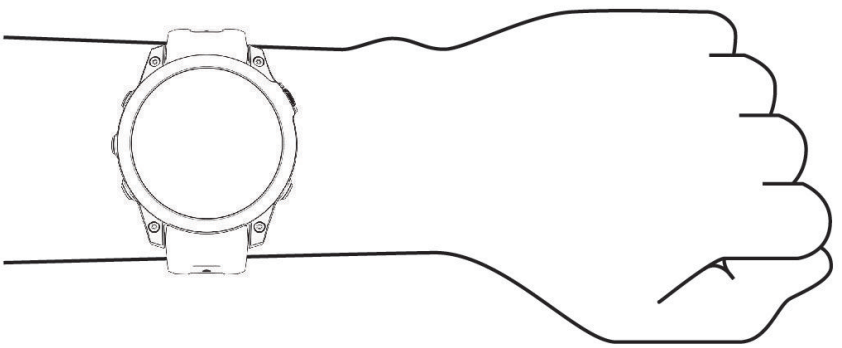
Wearing the Watch

⚠ CAUTION

Some users may experience skin irritation after prolonged use of the watch, especially if the user has sensitive skin or allergies. If you notice any skin irritation, remove the watch and give your skin time to heal. To help prevent skin irritation, ensure the watch is clean and dry, and do not overtighten the watch on your wrist. For more information, go to garmin.com/fitandcare.

- Wear the watch above your wrist bone.

  NOTE: The watch should be snug but comfortable. For more accurate heart rate readings, the watch should not shift while running or exercising. For pulse oximeter readings, you should remain motionless.



  NOTE: The optical sensor is located on the back of the watch.
- See *Tips for Erratic Heart Rate Data*, page 93 for more information about wrist-based heart rate.
- See *Tips for Erratic Pulse Oximeter Data*, page 95 for more information about the pulse oximeter sensor.
- For more information about accuracy, go to garmin.com/ataccuracy.
- For more information about watch wear and care, go to garmin.com/fitandcare.

Tips for Erratic Heart Rate Data

If the heart rate data is erratic or does not appear, you can try these tips.

- Clean and dry your arm before putting on the watch.
- Avoid wearing sunscreen, lotion, and insect repellent under the watch.
- Avoid scratching the heart rate sensor on the back of the watch.
- Wear the watch above your wrist bone. The watch should be snug but comfortable.
- Wait until the ♥ icon is solid before starting your activity.
- Warm up for 5 to 10 minutes and get a heart rate reading before starting your activity.

  NOTE: In cold environments, warm up indoors.
- Rinse the watch with fresh water after each workout.

Wrist Heart Rate Monitor Settings

Hold **MENU**, and select **Sensors & Accessories** > **Wrist Heart Rate**.

Status: Enables or disables the wrist heart rate monitor. The default value is Auto, which automatically uses the wrist heart rate monitor unless you pair an external heart rate monitor.

NOTE: Disabling the wrist heart rate monitor also disables the wrist-based pulse oximeter sensor. You can perform a manual reading from the pulse oximeter glance.

Source Switching: Allows the watch to select the best source of heart rate data when wearing your watch and an external heart rate monitor. For more information, go to www.garmin.com/dynamicsourceswitching/.

While Swimming: Enables or disables the wrist heart rate monitor during swimming activities.

Abnormal Heart Rate Alerts: Allows you to set the watch to alert you when your heart rate exceeds or drops below a target value (*Setting an Abnormal Heart Rate Alert*, page 93).

Broadcast Heart Rate: Allows you to begin broadcasting your heart rate data to a paired device (*Broadcasting Heart Rate Data*, page 94).

Setting an Abnormal Heart Rate Alert

⚠ CAUTION

This feature only alerts you when your heart rate exceeds or drops below a certain number of beats per minute, as selected by the user, after at least ten minutes of inactivity. This feature does not notify you when your heart rate drops below the selected threshold during your chosen sleep window configured in the Garmin Connect app. This feature does not notify you of any potential heart condition and is not intended to treat or diagnose any medical condition or disease. Always defer to your health care provider for any heart-related issues.

You can set the heart rate threshold value.

1. Hold **MENU**.
2. Select **Sensors & Accessories** > **Wrist Heart Rate** > **Abnormal Heart Rate Alerts**.
3. Select **High Alert** or **Low Alert**.
4. Set the heart rate threshold value.

Each time your heart rate exceeds or drops below the threshold value, a message appears and the watch vibrates.

Broadcasting Heart Rate Data

You can broadcast your heart rate data from your watch and view it on paired devices. Broadcasting heart rate data decreases battery life.

TIP: You can customize the activity settings to broadcast your heart rate data automatically when you begin an activity (*Activities and App Settings*, page 49). For example, you can broadcast your heart rate data to an Edge device while cycling.

1. Select an option:
   - Hold **MENU**, and select **Sensors & Accessories** > **Wrist Heart Rate** > **Broadcast Heart Rate**.
   - Hold **LIGHT** to open the controls menu, and select .

     NOTE: You can add options to the controls menu (*Customizing the Controls Menu*, page 90).
2. Press **START**.

   The watch starts broadcasting your heart rate data.
3. Pair your watch with your compatible device.

   NOTE: The pairing instructions differ for each Garmin compatible device. See your owner's manual.
4. Press **STOP** to stop broadcasting your heart rate data.

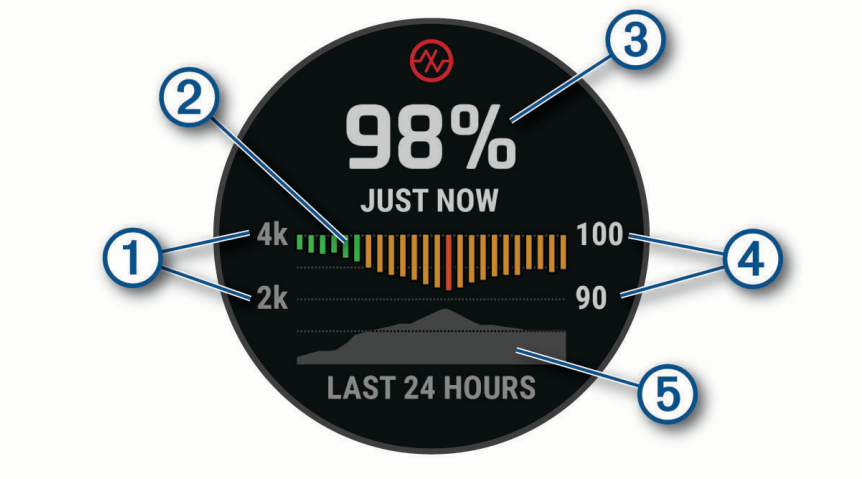
Pulse Oximeter

Your watch has a wrist-based pulse oximeter to gauge the peripheral saturation of oxygen in your blood (SpO2). As your altitude increases, the level of oxygen in your blood can decrease. Knowing your oxygen saturation can help you determine how your body is adjusting to high altitudes. During a flight, the watch automatically takes pulse oximeter readings more frequently, so you can monitor your SpO2 percentage (*Viewing Your SpO2 Readings in Flight*, page 11).

You can manually begin a pulse oximeter reading by viewing the pulse oximeter glance (*Getting Pulse Oximeter Readings*, page 95). You can also turn on all-day readings (*Setting the Pulse Oximeter Mode*, page 95). When you view the pulse oximeter glance while you are not moving, your watch analyzes your oxygen saturation and your elevation. The elevation profile helps indicate how your pulse oximeter readings are changing, relative to your to elevation.

On the watch, your pulse oximeter reading appears as an oxygen saturation percentage and color on the graph. On your Garmin Connect account, you can view additional details about your pulse oximeter readings, including trends over multiple days.

For more information about pulse oximeter accuracy, go to garmin.com/ataccuracy.



①	The elevation scale.
②	A graph of your average oxygen saturation readings for the last 24 hours.
③	Your most recent oxygen saturation reading.
④	The oxygen saturation percentage scale.
⑤	A graph of your elevation readings for the last 24 hours.

Getting Pulse Oximeter Readings

You can manually begin a pulse oximeter reading by viewing the pulse oximeter glance. The glance displays your most recent blood oxygen saturation percentage, a graph of your hourly average readings for the last 24 hours, and a graph of your elevation for the last 24 hours.

NOTE: The first time you view the pulse oximeter glance, the watch must acquire satellite signals to determine your elevation. You should go outside, and wait while the watch locates satellites.

1. While you are sitting or inactive, press **UP** or **DOWN** to view the pulse oximeter glance.
2. Press **START** to view glance details and begin a pulse oximeter reading.
3. Remain motionless for up to 30 seconds.

   NOTE: If you are too active for the watch to get a pulse oximeter reading, a message appears instead of a percentage. You can check again after several minutes of inactivity. For best results, hold the arm wearing the watch at heart level while the watch reads your blood oxygen saturation.
4. Press **DOWN** to view a graph of your pulse oximeter readings for the last seven days.

Setting the Pulse Oximeter Mode

1. Hold **MENU**.
2. Select **Sensors & Accessories** > **Pulse Oximeter** > **Pulse Ox Mode**.
3. Select an option:
   - To turn off automatic measurements, select **Manual Check**.
   - To turn on continuous measurements while you sleep, select **During Sleep**.

     NOTE: Unusual sleep positions can cause abnormally low sleep-time SpO2 readings.
   - To turn on measurements while you are inactive during the day, select **All Day**.

     NOTE: Turning on **All Day** mode decreases battery life.

Tips for Erratic Pulse Oximeter Data

If the pulse oximeter data is erratic or does not appear, you can try these tips.

- Remain motionless while the watch reads your blood oxygen saturation.
- Wear the watch above your wrist bone. The watch should be snug but comfortable.
- Hold the arm wearing the watch at heart level while the watch reads your blood oxygen saturation.
- Use a silicone or nylon band.
- Clean and dry your arm before putting on the watch.
- Avoid wearing sunscreen, lotion, and insect repellent under the watch.
- Avoid scratching the optical sensor on the back of the watch.
- Rinse the watch with fresh water after each workout.

Compass

The watch has a 3-axis compass with automatic calibration. The compass features and appearance change depending on your activity, whether GPS is enabled, and whether you are navigating to a destination. You can change the compass settings manually (*Compass Settings*, page 96).

Setting the Compass Heading

1. From the compass glance, press **START**.
2. Select **Lock Heading**.
3. Point the top of the watch toward your heading, and press **START**.

   When you deviate from the heading, the compass displays the direction from the heading and degree of deviation.

Compass Settings

Hold **MENU**, and select **Sensors & Accessories** > **Compass**.

Calibrate: Allows you to manually calibrate the compass sensor (*Calibrating the Compass Manually*, page 96).

Display: Sets the directional heading on the compass to letters, degrees, or milliradians.

North Ref.: Sets the north reference of the compass (*Setting the North Reference*, page 96).

Mode: Sets the compass to use electronic-sensor data only (On), a combination of GPS and electronic-sensor data when moving (Auto), or GPS data only (Off).

Calibrating the Compass Manually

NOTICE

Calibrate the electronic compass outdoors. To improve heading accuracy, do not stand near objects that influence magnetic fields, such as vehicles, buildings, and overhead power lines.

Your watch was already calibrated at the factory, and the watch uses automatic calibration by default. If you experience irregular compass behavior, for example, after moving long distances or after extreme temperature changes, you can manually calibrate the compass.

1. Hold **MENU**.
2. Select **Sensors & Accessories** > **Compass** > **Calibrate** > **Start**.
3. Follow the on-screen instructions.

Setting the North Reference

You can set the directional reference used in calculating heading information.

1. Hold **MENU**.
2. Select **Sensors & Accessories** > **Compass** > **North Ref.**.
3. Select an option:
   - To set geographic north as the heading reference, select **True**.
   - To set magnetic north as the heading without declination, select **Magnetic**.
   - To set grid north (000º) as the heading reference, select **Grid**.
   - To set the magnetic variation value manually, select **User** > **Mag. Variation**, enter the magnetic variation, and select **Done**.

Altimeter and Barometer

The watch contains an internal altimeter and barometer. The watch collects elevation and pressure data continuously, even in low-power mode. The altimeter displays your approximate elevation based on pressure changes. The barometer displays environmental pressure data based on the fixed elevation where the altimeter was most recently calibrated (*Altimeter Settings*, page 97).

Altimeter Readings

⚠ WARNING

This watch is not intended to provide primary flight information and is to be used for supplemental purposes only.

The altimeter functions differently depending on the selected source.

You can adjust the altimeter settings by holding **MENU**, selecting **Activities & Apps** > **Fly**, selecting the activity settings, and selecting **Altimeter**.

Sensor	Source
Pressure	Altitude reflects changes in ambient pressure.
GPS	Altitude is equal to the GPS altitude when GPS is available. Altitude defaults to the pressure altimeter when GPS is unavailable.

Altimeter Settings

Hold **MENU**, and select **Sensors & Accessories** > **Altimeter**.

Barometer: Allows you to set the barometric pressure manually, or select a value from the nearest METAR station through the Garmin Connect app. Setting the current barometric pressure manually can help to improve the accuracy of the pressure altitude reading.

Altitude Alert: Sets an alarm to vibrate when you reach a specified altitude. The altitude alert is not available in watch mode.

Sync to Elevation: Allows you to synchronize the watch to your current elevation manually.

Set Standard Baro: Allows you to set the standard barometric pressure.

Calibrating the Barometric Altimeter

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

1. Hold **MENU**.
2. Select **Sensors & Accessories** > **Elevation** > **Calibrate**.
3. Select an option:
   - To enter the current elevation manually, select **Enter Manually**.
   - To enter the current elevation from the digital elevation model, select **Use DEM**.
   - To enter the current elevation from your GPS location, select **Use GPS**.

Barometer Settings

From the barometer glance, press **START**, and select **Settings**.

Calibrate: Allows you to manually calibrate the barometer sensor.

Plot: Sets the time scale for the chart in the barometer glance.

Storm Alert: Sets the rate of barometric pressure change that triggers a storm alert.

Sensor Mode: Sets the mode for the sensor. The Auto option uses both the altimeter and barometer according to your movement. You can use the Altimeter Only option when your activity involves changes in altitude, or the Barometer Only option when your activity does not involve changes in altitude.

Pressure: Sets how the watch displays pressure data.

Calibrating the Barometer

Your watch was already calibrated at the factory, and the watch uses automatic calibration at your GPS starting point by default. You can manually calibrate the barometer if you know the correct elevation or the correct sea level pressure.

1. From the watch face, press **UP** or **DOWN** to view the barometer glance.
2. Press **START** to open the glance.
3. Press **START** to view the settings menu.
4. Select **Settings** > **Calibrate**.
5. Select an option:
   - To enter the current elevation and sea level pressure (optional), select **Enter Manually**.
   - To calibrate automatically from the digital elevation model, select **Use DEM**.
   - To calibrate automatically from your GPS starting point, select **Use GPS**.

Setting a Storm Alert

⚠ WARNING

This alert is an informational feature and is not intended to be the primary source for tracking changes in the weather. It is your responsibility to review weather reports and conditions, to remain aware of your surroundings, and to use safe judgment, especially during times of severe weather. Failure to heed this warning could result in serious personal injury or death.

1. Hold **MENU**.
2. Select **Notifications & Alerts** > **System Alerts** > **Barometer** > **Storm Alert**.
3. Select an option:
   - Select **Status** to turn the alert on or off.
   - Select **Rate** to update the rate of barometric pressure change that triggers a storm alert.

Elevation Settings

Hold **MENU**, and select **Sensors & Accessories** > **Elevation**.

Calibrate: Allows you to calibrate the altimeter sensor manually.

Elevation: Sets the units of measure for elevation.

Wireless Sensors

Your watch can be paired and used with wireless sensors using ANT+ or Bluetooth technology (*Pairing Your Wireless Sensors*, page 101). After the devices are paired, you can customize the optional data fields (*Customizing the Data Screens*, page 48). If your watch was packaged with a sensor, they are already paired.

For information about specific Garmin sensor compatibility, purchasing, or to view the owner's manual, go to buy.garmin.com for that sensor.

Sensor Type	Description
Club Sensors	You can use Approach CT10 golf club sensors to automatically track your golf shots, including location, distance, and club type.
DogTrack	Allows you to receive data from a compatible handheld dog tracking device.
eBike	You can use your watch with your eBike and view bike data, such as battery and range information, during your rides.
Extended Display	You can use the Extended Display mode to display data screens from your MARQ Aviator watch on a compatible Edge bike computer during a ride or triathlon.
External Heart Rate	You can use an external sensor, such as the HRM 200, HRM 600, HRM-Fit™, or HRM-Pro series heart rate monitor, to view heart rate data during your activities. Some heart rate monitors can also store data or provide advanced running data (*Running Dynamics*, page 102) (*Running Power*, page 103).
Foot Pod	You can use a foot pod to record pace and distance instead of using GPS when you are training indoors or when your GPS signal is weak.
Headphones	You can use Bluetooth headphones to listen to music loaded onto your MARQ Aviator watch (*Connecting Bluetooth Headphones*, page 111).
inReach	The inReach remote function allows you to control your inReach satellite communicator using your MARQ watch (*Using the inReach Remote*, page 104).
Lights	You can use Varia smart bike lights to improve situational awareness. With a Varia headlight camera, you can also take photos and record video during a ride (*Using the Varia Camera Controls*, page 103).
Muscle O2	You can use a muscle oxygen sensor to view hemoglobin and muscle oxygen saturation data while you train.
PC	You can play video games on your computer and see real-time statistics on your device (*Using the Garmin GameOn™ App*, page 27).
Power	You can use the Rally™ or Vector™ power meter bike pedals to view your power data on your watch. You can adjust your power zones to match your goals and abilities (*Setting Your Power Zones*, page 123), or use range alerts to be notified when you reach a specified power zone (*Setting an Alert*, page 52).
Radar	You can use a Varia rearview bike radar to improve situational awareness and send alerts about approaching vehicles. With a Varia radar camera tail light, you can also take photos and record video during a ride (*Using the Varia Camera Controls*, page 103).
Rangefinder	You can use a compatible laser rangefinder to view your distance to the flag while golfing.
RD Pod	You can use a Running Dynamics Pod to record running dynamics data and view it on your watch (*Running Dynamics*, page 102).
Shifting	You can use electronic shifters to display shifting information during a ride. The MARQ Aviator watch displays current adjustment values when the sensor is in adjustment mode.
Shimano Di2	You can use Shimano® Di2™ electronic shifters to display shifting information during a ride. The MARQ Aviator watch displays current adjustment values when the sensor is in adjustment mode.
Smart Trainer	You can use your watch with an indoor bike smart trainer to simulate resistance while following a course, ride, or workout (*Using an Indoor Trainer*, page 26).

Sensor Type	Description
Speed/ Cadence	You can attach speed or cadence sensors to your bike and view the data during your ride. If necessary, you can manually enter your wheel circumference (*Wheel Size and Circumference*, page 169).
Tempe	You can attach the tempe temperature sensor to a secure strap or loop where it is exposed to ambient air, so it provides a consistent source of accurate temperature data.
Trolling Motor	You can use your device as a remote control for your Garmin trolling motor (*Pairing Your Watch and Trolling Motor*, page 35).
VIRB	The VIRB remote function allows you to control your VIRB action camera using your watch (*VIRB Remote*, page 104).
XERO Laser Locations	You can view and share laser location information from a Xero device (*Xero Laser Location Settings*, page 105).

Pairing Your Wireless Sensors

The first time you connect a wireless sensor to your watch using ANT+ or Bluetooth technology, you must pair the watch and sensor. After they are paired, the watch connects to the sensor automatically when you start an activity and the sensor is active and within range. For more information about connection types, go to garmin.com/hrm_connection_types.

1. Put on the heart rate monitor, install the sensor, or press the button to wake up the sensor.

   NOTE: See your wireless sensor owner's manual for pairing information.
2. Bring the watch within 3 m (10 ft.) of the sensor.

   NOTE: Stay 10 m (33 ft.) away from other wireless sensors while pairing.
3. Hold **MENU**.
4. Select **Sensors & Accessories** > **Add New**.
5. Select an option:
   - Select **Search All Sensors**.
   - Select your sensor type.

   After the sensor is paired with your watch, the sensor status changes from Searching to Connected. Sensor data appears in the data screen loop or a custom data field. You can customize the optional data fields (*Customizing the Data Screens*, page 48).

Heart Rate Accessory Running Pace and Distance

The HRM 600, HRM-Fit, and HRM-Pro series accessories calculate your running pace and distance based on your user profile and the motion measured by the sensor on every stride. The heart rate monitor provides running pace and distance when GPS is not available, such as during treadmill running. You can view your running pace and distance on your compatible MARQ watch when connected using ANT+ technology or secure Bluetooth technology. You can also view it on compatible third-party training apps.

The pace and distance accuracy improves with calibration.

Automatic calibration: The default setting for your watch is **Auto Calibrate**. The heart rate accessory calibrates each time you run outside with it connected to your compatible MARQ watch.

NOTE: Automatic calibration does not work for indoor, trail, or ultra run activities (*Tips for Recording Running Pace and Distance*, page 102).

Manual calibration: You can select **Calibrate & Save** after a treadmill run with your connected heart rate accessory (*Calibrating the Treadmill Distance*, page 21).

Tips for Recording Running Pace and Distance

- Update your MARQ watch software (*Product Updates*, page 146).
- Complete several outdoor runs with GPS and your connected HRM 600, HRM-Fit, or HRM-Pro series accessory. It's important that your outdoor range of paces matches your range of paces on the treadmill.
- If your run includes sand or deep snow, go to the sensor settings, and turn off **Auto Calibrate**.
- If you previously connected a compatible foot pod using ANT+ technology, set the foot pod status to **Off**, or remove it from the list of connected sensors.
- Complete a treadmill run with manual calibration (*Calibrating the Treadmill Distance*, page 21).
- If automatic and manual calibrations don't seem accurate, go to the sensor settings, and select **HRM Pace & Distance** > **Reset Calibration Data**.

  NOTE: You can try turning off **Auto Calibrate**, and then manually calibrate again (*Calibrating the Treadmill Distance*, page 21).

Running Dynamics

Running dynamics is real-time feedback about your running form. Your MARQ watch has an accelerometer to calculate five running form metrics. For all six running form metrics, you must pair your MARQ watch with the HRM-Fit, HRM-Pro series accessory, or other running dynamics accessory that measures torso movement. For more information, go to garmin.com/performance-data/running.

Metric	Sensor Type	Description
Cadence	Watch or compatible accessory	Cadence is the number of steps per minute. It displays the total steps (right and left combined).
Vertical oscillation	Watch or compatible accessory	Vertical oscillation is your bounce while running. It displays the vertical motion of your torso, measured in centimeters.
Ground contact time	Watch or compatible accessory	Ground contact time is the amount of time in each step that you spend on the ground while running. It is measured in milliseconds. **NOTE:** Ground contact time and balance are not available while walking.
Ground contact time balance	Compatible accessory only	Ground contact time balance displays the left/right balance of your ground contact time while running. It displays a percentage. For example, 53.2 with an arrow pointing left or right.
Stride length	Watch or compatible accessory	Stride length is the length of your stride from one footfall to the next. It is measured in meters.
Vertical ratio	Watch or compatible accessory	Vertical ratio is the ratio of vertical oscillation to stride length. It displays a percentage. A lower number typically indicates better running form.

Tips for Missing Running Dynamics Data

This topic provides tips for using a compatible running dynamics accessory. If the accessory is not connected to your watch, the watch automatically switches to wrist-based running dynamics.

- Make sure you have a running dynamics accessory, such as the HRM-Fit or HRM-Pro series accessory.
- Pair the running dynamics accessory with your watch again, according to the instructions.
- If you are using an HRM-Fit or HRM-Pro series accessory, pair it with your watch using ANT+ technology, rather than Bluetooth technology.
- If the running dynamics data display shows only zeros, make sure the accessory is worn right-side up.

  NOTE: Ground contact time and balance appears only while running. It is not calculated while walking.

  REMEMBER: Ground contact time balance is not calculated with wrist-based running dynamics.

Running Power

Garmin running power is calculated using measured running dynamics information, user mass, environmental data, and other sensor data. The power measurement estimates the amount of power a runner applies to the road surface, and it is displayed in watts. Using running power as a gauge of effort may suit some runners better than using either pace or heart rate. Running power can be more responsive than heart rate for indicating the level of effort, and it can account for the uphills, downhills, and wind, which a pace measurement does not do. For more information, go to garmin.com/performance-data/running.

Running power can be measured using a compatible running dynamics accessory or the watch sensors. You can customize the running power data fields to view your power output and make adjustments to your training (*Data Fields*, page 151). You can set up power alerts to be notified when you reach a specified power zone (*Activity Alerts*, page 51).

Running power zones are similar to cycling power zones. The values for the zones are default values based on gender, weight, and average ability, and may not match your personal abilities. You can manually adjust your zones on the watch or using your Garmin Connect account (*Setting Your Power Zones*, page 123).

Running Power Settings

Hold **MENU**, select **Activities & Apps**, select a running activity, select the activity settings, and select **Running Power**.

Status: Enables or disables recording Garmin running power data. You can use this setting if you prefer to use third-party running power data.

Source: Allows you to select which device to use to record running power data. The Smart Mode option automatically detects and uses the running dynamics accessory, when available. The watch uses wrist-based running power data when an accessory is not connected.

Account for Wind: Enables or disables using wind data when calculating your running power. Wind data is a combination of the speed, heading, and barometer data from your watch and the available wind data from your phone.

Using the Varia Camera Controls

NOTICE

Some jurisdictions may prohibit or regulate the recording of video, audio, or photographs, or may require that all parties have knowledge of the recording and provide consent. It is your responsibility to know and follow all laws, regulations, and any other restrictions in jurisdictions where you plan to use this device.

Before you can use the Varia camera controls, you must pair the accessory with your watch (*Pairing Your Wireless Sensors*, page 101).

1. Select an option:
   - Add the **RCT Camera** control to your watch (*Customizing the Controls Menu*, page 90).
   - Add the **RCT Camera** glance to your watch (*Customizing the Glance Loop*, page 71).
2. From the **RCT Camera** control or glance, select an option:
   - Select ⋮ > ⚙ to view the camera settings.
   - Select ⋮ > ● to record the ride.
   - Select 📷 to take a photo.
   - Select ▶ to save a clip.

inReach Remote

The inReach remote function allows you to control your inReach satellite communicator using your MARQ watch. Go to buy.garmin.com for more information about compatible devices.

Using the inReach Remote

Before you can use the inReach remote function, you must add the inReach glance to the glances list (*Customizing the Glance Loop*, page 71).

1. Turn on the inReach satellite communicator.
2. On your MARQ watch, press **UP** or **DOWN** from the watch face to view the inReach glance.
3. Press **START** to search for your inReach satellite communicator.
4. Press **START** to pair your inReach satellite communicator.
5. Press **START**, and select an option:
   - To send an SOS message, select **Initiate SOS**.

     NOTE: You should only use the SOS function in a real emergency situation.
   - To send a text message, select **Messages** > **New Message**, select the message contacts, and enter the message text or select a quick text option.
   - To send a preset message, select **Send Preset**, and select a message from the list.
   - To view the timer and distance traveled during an activity, select **Tracking**.

VIRB Remote

The VIRB remote function allows you to control your VIRB action camera using your device.

Controlling a VIRB Action Camera

Before you can use the VIRB remote function, you must enable the remote setting on your VIRB camera. See the *VIRB Series Owner's Manual* for more information.

1. Turn on your VIRB camera.
2. Pair your VIRB camera with your MARQ watch (*Pairing Your Wireless Sensors*, page 101).

   The VIRB glance is automatically added to the glance loop.
3. Press **UP** or **DOWN** from the watch face to view the VIRB glance.
4. If necessary, wait while your watch connects to your camera.
5. Select an option:
   - To record video, select **Start Recording**.

     The video counter appears on the MARQ screen.
   - To take a photo while recording video, press **DOWN**.
   - To stop recording video, press **STOP**.
   - To take a photo, select **Take Photo**.
   - To take multiple photos in burst mode, select **Take Burst**.
   - To send the camera to sleep mode, select **Sleep Camera**.
   - To wake the camera from sleep mode, select **Wake Camera**.
   - To change video and photo settings, select **Settings**.

Controlling a VIRB Action Camera During an Activity

Before you can use the VIRB remote function, you must enable the remote setting on your VIRB camera. See the *VIRB Series Owner's Manual* for more information.

1. Turn on your VIRB camera.
2. Pair your VIRB camera with your MARQ watch (*Pairing Your Wireless Sensors*, page 101).
   When the camera is paired, a VIRB data screen is automatically added to activities.
3. During an activity, press **UP** or **DOWN** to view the VIRB data screen.
4. If necessary, wait while your watch connects to your camera.
5. Hold **MENU**.
6. Select **VIRB**.
7. Select an option:
   - To control the camera using the activity timer, select **Settings** > **Recording Mode** > **Timer Start/Stop**.
     NOTE: Video recording automatically starts and stops when you start and stop an activity.
   - To control the camera using the menu options, select **Settings** > **Recording Mode** > **Manual**.
   - To manually record video, select **Start Recording**.
     The video counter appears on the MARQ screen.
   - To take a photo while recording video, press **DOWN**.
   - To manually stop recording video, press **STOP**.
   - To take multiple photos in burst mode, select **Take Burst**.
   - To send the camera to sleep mode, select **Sleep Camera**.
   - To wake the camera from sleep mode, select **Wake Camera**.

Xero Laser Location Settings

Before you can customize laser location settings, you must pair a compatible Xero device (*Pairing Your Wireless Sensors*, page 101).

Hold **MENU**, and select **Sensors & Accessories** > **XERO Laser Locations** > **Laser Locations**.

During Activity: Enables the display of laser location information from a compatible, paired Xero device during an activity.

Share Mode: Allows you to share laser location information publicly or broadcast it privately.

Map

Your watch can display several types of Garmin map data, including topographical contours, nearby points of interest, ski resort maps, and golf courses. You can use the Map Manager to download additional maps or manage map storage.

To purchase additional map data and view compatibility information, go to garmin.com/maps.

▲ represents your location on the map. When you are navigating to a destination, your route is marked with a line on the map.

Viewing the Map

1 Select an option to open the map:
   - Press **START**, and select **Map** to view the map without starting an activity.
   - Go outside, start a GPS activity (*Starting an Activity*, page 18), and press **UP** or **DOWN** to scroll to the map screen.
2 If necessary, wait while the watch locates satellites.
3 Select an option to pan and zoom the map:
   - To use the touchscreen, tap the map, tap and drag to position the crosshairs, and press **UP** or **DOWN** to zoom in or out.
   - To use the buttons, hold **MENU**, select **Pan/Zoom**, and press **UP** or **DOWN** to zoom in or out.

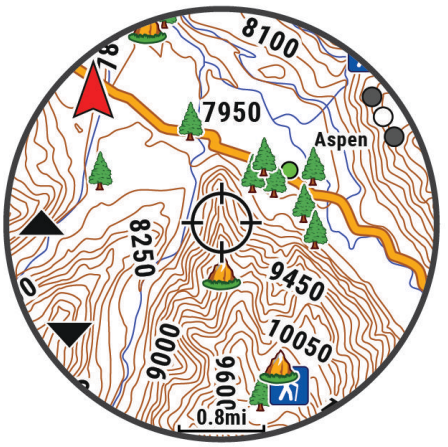
     NOTE: You can press **START** to toggle between panning up and down, panning left and right, or zooming.
4 Hold **START** to select the point indicated by the crosshairs.

Saving or Navigating to a Location on the Map

You can select any location on the map. You can save the location or start navigating to it.

1 From the map, select an option:
   - To use the touchscreen, tap the map, tap and drag to position the crosshairs, and press **UP** or **DOWN** to zoom in or out.
   - To use the buttons, hold **MENU**, select **Pan/Zoom**, and press **UP** or **DOWN** to zoom in or out.

     NOTE: You can press **START** to toggle between panning up and down, panning left and right, or zooming.



2 Pan and zoom the map to center the location in the crosshairs.
3 Hold **START** to select the point indicated by the crosshairs.
4 If necessary, select a nearby point of interest.
5 Select an option:
   - To download the weather radar image associated with the selected location, select **Show NEXRAD** (*Viewing NEXRAD Weather Radar*, page 9).
   - To start navigating to the location, select **Go**.
   - To save the location, select **Save Location**.
   - To view information about the location, select **Review**.

Navigating with the Around Me Feature

You can use the around me feature to navigate to nearby points of interest and waypoints.

NOTE: The map data installed on your watch must include points of interest to navigate to them.

1. From the map, hold **MENU**.
2. Select **Around Me**.

   Icons indicating points of interest and waypoints appear on the map.
3. Press **UP** or **DOWN** to highlight a section of the map.
4. Press **START**.

   A list of points of interest and waypoints in the highlighted map section appear.
5. Select a location.
6. Select an option:
   - To download the weather radar image associated with the selected location, select **Show NEXRAD** (*Viewing NEXRAD Weather Radar*, page 9).
   - To start navigating to the location, select **Go**.
   - To view the location on the map, select **Map**.
   - To save the location, select **Save Location**.
   - To view information about the location, select **Review**.

Map Settings

You can customize how the map appears in the map app and data screens.

NOTE: If necessary, you can customize the map settings for specific activities instead of using the system settings (*Activity Map Settings*, page 53).

Hold **MENU**, and select **Map**.

Map Manager: Shows the downloaded map versions and allows you to download additional maps (*Managing Maps*, page 107).

Dark Mode: Sets the map colors to either a white or black background for daytime or nighttime visibility. The Auto option adjusts the map colors based on the time of day.

High Contrast: Sets the map to display data with higher contrast, for better visibility in challenging environments.

Orientation: Sets the orientation of the map. The North Up option shows north at the top of the screen. The Track Up option shows your current direction of travel at the top of the screen.

Auto Zoom: Automatically selects the zoom level for optimal use of your map. When disabled, you must zoom in or out manually.

Track Color: Changes the track log color.

Lock on Road: Locks the position icon, which represents your position on the map, onto the nearest road.

Detail: Sets the amount of detail shown on the map. Showing more detail may cause the map to redraw more slowly.

Symbol Set: Sets the chart symbols in marine mode. The NOAA option displays the National Oceanic and Atmospheric Administration chart symbols. The International option displays the International Association of Lighthouse Authorities chart symbols.

Managing Maps

1. Hold **MENU**.
2. Select **Map** > **Map Manager**.
3. Select an option:
   - To download premium maps and activate your Outdoor Maps+ subscription for this device, select **Outdoor Maps+** (*Downloading Maps with Outdoor Maps+*, page 108).
   - To download TopoActive maps, select **TopoActive Maps** (*Downloading TopoActive Maps*, page 108).

Downloading Maps with Outdoor Maps+

Before you can download maps to your device, you must connect to a wireless network (*Connecting to a Wi-Fi Network*, page 115).

1. Hold **MENU**.
2. Select **Map** > **Map Manager** > **Outdoor Maps+**.
3. If necessary, press **START**, and select **Check Subscription** to activate your Outdoor Maps+ subscription for this watch.

   NOTE: Go to garmin.com/outdoormaps for information about purchasing a subscription.
4. Select **Add Map**, and select a location.

   A preview of the map region appears.
5. From the map, complete one or more actions:
   - Drag the map to view different areas.
   - Pinch or spread two fingers on the touchscreen to zoom in and out of the map.
   - Select ✚ and ━ to zoom in and out of the map.
6. Press **BACK**, and select ✔.
7. Select ✎.
8. Select an option:
   - To edit the map name, select **Name**.
   - To change the map layers to download, select **Layers**.

     TIP: You can select ⓘ to view details about the map layers.
   - To modify the map region, select **Selected Area**.
9. Select ✔ to download the map.

   NOTE: To prevent battery drain, the watch queues the map download for later, and the download starts when you connect the watch to an external power source.

Downloading TopoActive Maps

Before you can download maps to your device, you must connect to a wireless network (*Connecting to a Wi-Fi Network*, page 115).

1. Hold **MENU**.
2. Select **Map** > **Map Manager** > **TopoActive Maps** > **Add Map**.
3. Select a map.
4. Press **START**, and select **Download**.

   NOTE: To prevent battery drain, the watch queues the map download for later, and the download starts when you connect the watch to an external power source.

Deleting Maps

You can remove maps to increase the available device storage.

1. Hold **MENU**.
2. Select **Map** > **Map Manager**.
3. Select an option:
   - Select **TopoActive Maps**, select a map, press **START**, and select **Remove**.
   - Select **Outdoor Maps+**, select a map, press **START**, and select **Delete**.

Map Themes

You can change the map theme to display data optimized for your activity type.

Hold **MENU**, and select **Map** > **Map Theme**.

None: Uses the preferences from the system map settings, with no additional theme applied.

Marine: Sets the map to display data in marine mode.

High Contrast: Sets the map to display data with higher contrast, for better visibility in challenging environments.

Dark: Sets the map to display data with a dark background, for better visibility at night.

Popularity: Highlights the most popular roads or trails on the map.

Resort Ski: Sets the map to display the most relevant ski data at a glance.

Aviation: Sets the map to display data in aviation mode.

Marine Map Settings

You can customize how the map appears in marine mode.

Hold **MENU**, and select **Map** > **Marine**.

Spot Soundings: Enables depth measurements on the chart.

Light Sectors: Shows and configures the appearance of light sectors on the chart.

Symbol Set: Sets the chart symbols in marine mode. The NOAA option displays the National Oceanic and Atmospheric Administration chart symbols. The International option displays the International Association of Lighthouse Authorities chart symbols.

Showing and Hiding Map Data

You can choose the map data to show on the map and save map data themes for multiple activities.

1. From the watch face, press **START**.
2. Select **Map**.
3. Press **START**.
4. Select **Map Layers**.
5. Select an option:
   - To customize the map data for an activity type, select **Activity Theme**, and select an activity.

     Changes you make to the map data settings are saved to the selected activity theme.
   - To turn on specific map features, such as contour lines or saved locations, select the map feature, and select **Status** > **On**.

     TIP: You can select **Apply to all Activities** to apply the setting to all activity themes.

Music

NOTE: There are three different music playback options for your MARQ Aviator watch.

- Third-party provider music
- Personal audio content
- Music stored on your phone

On a MARQ Aviator watch, you can download audio content to your watch from your computer or from a third-party provider, so you can listen when your phone is not nearby. To listen to audio content stored on your watch, you can connect Bluetooth headphones.

Connecting to a Third-Party Provider

Before you can download music or other audio files to your watch from a supported third-party provider, you must connect the provider to your watch.

Some third-party music provider options are already installed on your watch.

For more options, you can download the Connect IQ app on your phone (*Downloading Connect IQ Features*, page 117).

1. From the watch face, press **START**.
2. Select **Connect IQ Store**.
3. Follow the on-screen instructions to install a third-party music provider.
4. Hold **DOWN** from any screen to open the music controls.
5. Select the music provider.

   NOTE: If you want to select another provider, hold MENU, select Music Providers, and follow the on-screen instructions.

Downloading Audio Content from a Third-Party Provider

Before you can download audio content from a third-party provider, you must connect to a Wi-Fi network (*Connecting to a Wi-Fi Network*, page 115).

1. Hold **DOWN** from any screen to open the music controls.
2. Hold **MENU**.
3. Select **Music Providers**.
4. Select a connected provider, or select **Add Provider** to add a music provider from the Connect IQ store.
5. Select a playlist or other item to download to the watch.
6. If necessary, press **BACK** until you are prompted to sync with the service.

NOTE: Downloading audio content can drain the battery. You may be required to connect the watch to an external power source if the battery is low.

Downloading Personal Audio Content

Before you can send your personal music to your watch, you must install the Garmin Express™ application on your computer (garmin.com/express).

You can load your personal audio files, such as .mp3 and .m4a files, to a MARQ Aviator watch from your computer. For more information, go to garmin.com/musicfiles.

1. Connect the watch to your computer using the included USB cable.
2. On your computer, open the Garmin Express application, select your watch, and select **Music**.

   TIP: For Windows® computers, you can select and browse to the folder with your audio files. For Apple® computers, the Garmin Express application uses your iTunes® library.
3. In the **My Music** or **iTunes Library** list, select an audio file category, such as songs or playlists.
4. Select the checkboxes for the audio files, and select **Send to Device**.
5. If necessary, in the MARQ Aviator list, select a category, select the checkboxes, and select **Remove From Device** to remove audio files.

Listening to Music

1 Hold **DOWN** from any screen to open the music controls.
2 If necessary, connect your Bluetooth headphones (*Connecting Bluetooth Headphones*, page 111).
3 Hold **MENU**.
4 Select **Music Providers**, and select an option:
   - To listen to music downloaded to the watch from your computer, select **My Music** (*Downloading Personal Audio Content*, page 110).
   - To control music playback on your phone, select **Control Phone**.
   - To listen to music from a third-party provider, select the name of the provider, and select a playlist.
5 Select ▶.

Music Playback Controls

NOTE: Music playback controls may look different, depending on the selected music source.

⋮	Select to view more music playback controls.
♫	Select to browse the audio files and playlists for the selected source.
🔊	Select to adjust the volume.
▶	Select to play and pause the current audio file.
▶|	Select to skip to the next audio file in the playlist. Hold to fast forward through the current audio file.
|◀	Select to restart the current audio file. Select twice to skip to the previous audio file in the playlist. Hold to rewind through the current audio file.
🔁	Select to change the repeat mode.
🔀	Select to change the shuffle mode.

Connecting Bluetooth Headphones

To listen to music loaded onto your MARQ Aviator watch, you must connect Bluetooth headphones.

1 Bring the headphones within 2 m (6.6 ft.) of your watch.
2 Enable pairing mode on the headphones.
3 Hold **MENU**.
4 Select **Music** > **Headphones** > **Add New**.
5 Select your headphones to complete the pairing process.

Changing the Audio Mode

You can change the music playback mode from stereo to mono.

1 Hold **MENU**.
2 Select **Music** > **Audio**.
3 Select an option.

Connectivity

Connectivity features are available for your watch when you pair with your compatible phone (*Pairing Your Phone*, page 112). Additional features are available when you connect your watch to a Wi-Fi network (*Connecting to a Wi-Fi Network*, page 115).

Phone Connectivity Features

Phone connectivity features are available for your MARQ watch when you pair it using the Garmin Connect app (*Pairing Your Phone*, page 112).

- App features from the Garmin Connect app, the Connect IQ app, and more (*Phone Apps and Computer Applications*, page 115)
- Glances (*Glances*, page 67)
- Controls menu features (*Controls*, page 87)
- Safety and tracking features (*Safety and Tracking Features*, page 124)
- Phone interactions, such as notifications (*Enabling Bluetooth Notifications*, page 112)

Pairing Your Phone

To use the connected features on your watch, you must pair it directly through the Garmin Connect app, instead of from the Bluetooth settings on your phone.

1. During the initial setup on your watch, select ✔ when you are prompted to pair with your phone.

   NOTE: If you previously skipped the pairing process, you can hold **MENU**, and select **Connectivity** > **Phone** > **Pair Phone**.
2. Scan the QR code with your phone, and follow the on-screen instructions to complete the pairing and setup process.

Enabling Bluetooth Notifications

Before you can enable notifications, you must pair the watch with a compatible phone (*Pairing Your Phone*, page 112).

1. Hold **MENU**.
2. Select **Connectivity** > **Phone** > **Smart Notifications** > **Status** > **On**.
3. Select **During Activity** or **General Use**.
4. Select a notification type.
5. Select status, tone, and vibration preferences.
6. Press **BACK**.
7. Select privacy and timeout preferences.
8. Press **BACK**.
9. Select **Signature** to add a signature to your text message replies.

Viewing Notifications

1. From the watch face, press **UP** or **DOWN** to view the notifications glance.
2. Press **START**.
3. Select a notification.
4. Press **START** for more options.
5. Press **BACK** to return to the previous screen.

Receiving an Incoming Phone Call

When you receive a phone call on your connected phone, the MARQ watch displays the name or phone number of the caller.

- To accept the call, select .

  NOTE: To talk to the caller, you must use your connected phone.
- To decline the call, select .
- To decline the call and immediately send a text message reply, select **Reply**, and select a message from the list.

  NOTE: To send a text message reply, you must be connected to a compatible Android™ phone using Bluetooth technology.

Replying to a Text Message

NOTE: This feature is available only for compatible Android phones.

When you receive a text message notification on your watch, you can send a quick reply by selecting from a list of messages. You can customize messages in the Garmin Connect app.

NOTE: This feature sends text messages using your phone. Regular text message limits and charges from your carrier and phone plan may apply. Contact your mobile carrier for more information about text message charges or limits.

1. From the watch face, press **UP** or **DOWN** to view the notifications glance.
2. Press **START**, and select a text message notification.
3. Press **START**.
4. Select **Reply**.
5. Select a message from the list.

   Your phone sends the selected message as an SMS text message.

Managing Notifications

You can use your compatible phone to manage notifications that appear on your MARQ Aviator watch.

Select an option:

- If you are using an iPhone®, go to the iOS® notifications settings, and select the notifications to show on your phone and watch.

  NOTE: All notifications that you enable on your iPhone also appear on your watch.
- If you are using an Android phone, from the Garmin Connect app, select ••• > **Settings** > **Notifications** > **App Notifications**, and select the notifications that you want to appear on your watch.

Turning Off the Bluetooth Phone Connection

You can turn off the Bluetooth phone connection from the controls menu.

NOTE: You can add options to the controls menu (*Customizing the Controls Menu*, page 90).

1. Hold **LIGHT** to view the controls menu.
2. Select to turn off the Bluetooth phone connection on your MARQ watch.

   Refer to the owner's manual for your phone to turn off Bluetooth technology on your phone.

Turning On and Off Phone Connection Alerts

You can set the MARQ Aviator watch to alert you when your paired phone connects and disconnects using Bluetooth technology.

NOTE: Phone connection alerts are turned off by default.

1. Hold **MENU**.
2. Select **Connectivity** > **Phone** > **Alerts**.

Turning On and Off Find My Phone Alerts

1 Hold **MENU**.

2 Select **Notifications & Alerts** > **System Alerts** > **Find My Phone Alerts**.

Locating a Phone Lost During a GPS Activity

Your MARQ Aviator watch automatically stores a GPS location when your paired phone is disconnected during a GPS activity. You can use this feature to help locate a phone that is lost during an activity.

1 Start a GPS activity.

2 When prompted to navigate to the last known location of your device, select ✔.

3 Navigate to the location on the map (*Saving or Navigating to a Location on the Map*, page 106).

4 Press **DOWN** to view a compass pointing to the location (optional).

5 When your watch is within Bluetooth range of your phone, the Bluetooth signal strength appears on the screen.

The signal strength increases as you move closer to your phone.

Playing Audio Prompts During an Activity

You can enable your MARQ Aviator watch to play motivational status announcements during a run or other activity. Audio prompts play on your connected Bluetooth headphones, if available. Otherwise, audio prompts play on your phone paired through the Garmin Connect app. During an audio prompt, the watch or phone lowers the volume of the primary audio to play the announcement.

NOTE: This feature is not available for all activities.

1 Hold **MENU**.

2 Select **Audio Prompts**.

3 Select an option:

- To hear a prompt for each lap, select **Lap Alert**.
- To customize prompts with your pace and speed information, select **Pace/Speed Alert**.
- To customize prompts with your heart rate information, select **Heart Rate Alert**.
- To customize prompts with power data, select **Power Alert**.
- To hear prompts when you start and stop the activity timer, including the Auto Pause feature, select **Timer Events**.
- To hear workout alerts play as an audio prompt, select **Workout Alerts**.
- To hear activity alerts play as an audio prompt, select **Activity Alerts** (*Activity Alerts*, page 51).
- To hear a sound play right before an audio alert or prompt, select **Audio Tones**.
- To change the language or the dialect of the voice prompts, select **Dialect**.
- To change the voice of the prompts to male or female, select **Voice**.

Wi-Fi Connectivity Features

Activity uploads to your Garmin Connect account: Automatically sends your activity to your Garmin Connect account as soon as you finish recording the activity.

Audio content: Allows you to sync audio content from third-party providers.

Course updates: Allows you to download and install golf course updates.

Map downloads: Allows you to download and install maps.

Software updates: You can download and install the latest software.

Workouts and training plans: You can browse for and select workouts and training plans on your Garmin Connect account. The next time your watch has a Wi-Fi connection, the files are sent to your watch.

Connecting to a Wi-Fi Network

You must connect your watch to the Garmin Connect app on your phone or to the Garmin Express application on your computer before you can connect to a Wi-Fi network.

1. Hold **MENU**.
2. Select **Connectivity** > **Wi-Fi** > **My Networks** > **Add Network**.

   The watch displays a list of nearby Wi-Fi networks.
3. Select a network.
4. If necessary, enter the password for the network.

The watch connects to the network, and the network is added to the list of saved networks. The watch reconnects to this network automatically when it is within range.

Phone Apps and Computer Applications

You can connect your watch to multiple Garmin phone apps and computer applications using the same Garmin account.

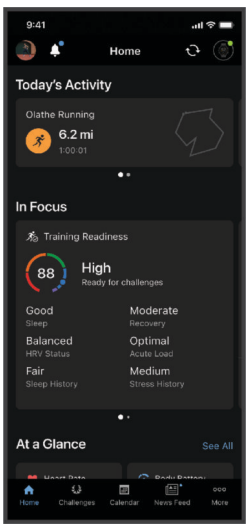
Garmin Connect

You can connect with your friends on Garmin Connect. Garmin Connect gives you the tools to track, analyze, share, and encourage each other. Record the events of your active lifestyle including runs, walks, rides, swims, hikes, triathlons, and more. To sign up for a free account, you can download the app from the app store on your phone (garmin.com/connectapp), or go to connect.garmin.com.

Store your activities: After you complete and save an activity with your watch, you can upload that activity to your Garmin Connect account and keep it as long as you want.

Analyze your data: You can view more detailed information about your activity, including time, distance, elevation, heart rate, calories burned, cadence, running dynamics, an overhead map view, pace and speed charts, and customizable reports.

NOTE: Some data requires an optional accessory such as a heart rate monitor.



Plan your training: You can choose a fitness goal and load one of the day-by-day training plans.

Track your progress: You can track your daily steps, join a friendly competition with your connections, and meet your goals.

Share your activities: You can connect with friends to follow each other's activities or share links to your activities.

Manage your settings: You can customize your watch and user settings on your Garmin Connect account.

Using the Garmin Connect App

After you pair your watch with your phone (*Pairing Your Phone*, page 112), you can use the Garmin Connect app to upload all of your activity data to your Garmin Connect account.

1. Verify the Garmin Connect app is running on your phone.
2. Bring your watch within 10 m (30 ft.) of your phone.

   Your watch automatically syncs your data with the Garmin Connect app and your Garmin Connect account.

Updating the Software Using the Garmin Connect App

Before you can update your watch software using the Garmin Connect app, you must have a Garmin Connect account, and you must pair the watch with a compatible phone (*Pairing Your Phone*, page 112).

Sync your watch with the Garmin Connect app (*Using the Garmin Connect App*, page 116).

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

Using Garmin Connect on Your Computer

The Garmin Express application connects your watch to your Garmin Connect account using a computer. You can use the Garmin Express application to upload your activity data to your Garmin Connect account and to send data, such as workouts or training plans, from the Garmin Connect website to your watch. You can also add music to your watch (*Downloading Personal Audio Content*, page 110). You can also install software updates and manage your Connect IQ apps.

1. Connect the watch to your computer using the USB cable.
2. Go to garmin.com/express.
3. Download and install the Garmin Express application.
4. Open the Garmin Express application, and select **Add Device**.
5. Follow the on-screen instructions.

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.

   NOTE: If you have already set up your device with Wi-Fi connectivity, Garmin Connect can automatically download available software updates to your device when it connects using Wi-Fi.

Manually Syncing Data with Garmin Connect

NOTE: You can add options to the controls menu (*Customizing the Controls Menu*, page 90).

1. Hold **LIGHT** to view the controls menu.
2. Select **Sync**.

Garmin Connect+ Subscription

You can enhance the data, connections, and training available on your Garmin Connect account with a Garmin Connect+ subscription. To sign up, you can download the Garmin Connect app from the app store on your phone, or go to connect.garmin.com.

Active Intelligence (AI): Receive AI insights about your data and activities.

LiveTrack+: Send LiveTrack text messages, receive a personalized profile page, and view previous LiveTrack sessions.

Follow Garmin Trails: Access outdoor trails and courses recommended by Garmin databases and other Garmin users, with pictures, ratings, trip reports, and more.

Training guidance: Get additional expert support and guidance for select Garmin Coach training plans.

Performance dashboard: View your training data your way with customized charts and graphs.

Social features: Gain access to exclusive badges, badge challenges, and double points for challenges. You can update your profile avatar with customizable frames.

Connect IQ Features

You can add Connect IQ apps, data fields, glances, music providers, and watch faces to your watch using the Connect IQ store on your watch or phone (garmin.com/connectiqapp).

Watch Faces: Customize the appearance of the clock.

Device Apps: Add interactive features to your watch, such as glances and new outdoor and fitness activity types.

Data Fields: Download new data fields that present sensor, activity, and history data in new ways. You can add Connect IQ data fields to built-in features and pages.

Music: Add music providers to your watch.

Downloading Connect IQ Features

Before you can download features from the Connect IQ app, you must pair your MARQ Aviator watch with your phone (*Pairing Your Phone*, page 112).

1. From the app store on your phone, install and open the Connect IQ app.
2. If necessary, select your watch.
3. Select a Connect IQ feature.
4. Follow the on-screen instructions.

Downloading Connect IQ Features Using Your Computer

1. Connect the watch to your computer using a USB cable.
2. Go to apps.garmin.com, and sign in.
3. Select a Connect IQ feature, and download it.
4. Follow the on-screen instructions.

Garmin Explore™

The Garmin Explore website and app allow you to create courses, waypoints, and collections, plan trips, and use cloud storage. They offer advanced planning both online and offline, allowing you to share and sync data with your compatible Garmin device. You can use the app to download maps for offline access, and then navigate anywhere without using your cellular service.

You can download the Garmin Explore app from the app store on your phone (garmin.com/exploreapp), or you can go to explore.garmin.com.

Garmin Messenger App

⚠ WARNING

The inReach features of the Garmin Messenger app, including SOS, tracking, and inReach Weather, are not available without a connected inReach satellite communicator and an active satellite subscription. Always test the app outdoors before using it on a trip.

⚠ CAUTION

The non-satellite messaging features of the Garmin Messenger app alone should not be relied on as a primary method to obtain emergency assistance.

NOTICE

The app works over both the internet (using a wireless connection or cellular data on your phone) and the Iridium® satellite network. If you are using cellular data, your paired phone must be equipped with a data plan and be in an area of network coverage where data is available. If you are in an area without network coverage, you must have an active satellite subscription for your inReach satellite communicator to use the Iridium satellite network.

You can use the app to message other Garmin Messenger app users, including friends and family without Garmin devices. Anyone can download the app and connect their phone, allowing them to communicate with other app users over the internet (no login is required). App users can also create group messaging threads with other SMS phone numbers. New members added to the group message can download the app to see what others are saying.

Messages sent using a wireless connection or cellular data on your phone do not incur data charges or additional charges on your satellite subscription. Messages received may incur charges if message delivery is attempted over both the Iridium satellite network and the internet. Standard text messaging rates for your cellular data plan apply.

You can download the Garmin Messenger app from the app store on your phone (garmin.com/messengerapp).

Using the Messenger Feature

⚠ CAUTION

The non-satellite messaging features of the Garmin Messenger app alone should not be relied on as a primary method to obtain emergency assistance.

NOTICE

To use the Messenger feature, your MARQ Aviator watch must be connected to the Garmin Messenger app on your compatible phone using Bluetooth technology.

The Messenger feature on your watch allows you to view, compose, and reply to messages from the Garmin Messenger phone app.

1. From the watch face, press **UP** or **DOWN** to view the **Messenger** glance.

   TIP: The Messenger feature is available as a glance, app, or controls menu option on your watch.
2. Select the glance.
3. If this is your first time using the **Messenger** feature, scan the QR code with your phone, and follow the on-screen instructions to complete the pairing and setup process.
4. On your watch, select an option:
   - To compose a new message, select **New Message**, select a recipient, and either select a pre-defined message or compose your own.
   - To view a conversation, scroll down, and select a conversation.
   - To reply to a message, select a conversation, select **Reply**, and either select a pre-defined message or compose your own.

Garmin Golf App

The Garmin Golf app allows you to upload scorecards from your MARQ Aviator device to view detailed statistics and shot analyses. Golfers can compete with each other at different courses using the Garmin Golf app. More than 43,000 courses have leaderboards that anyone can join. You can set up a tournament event and invite players to compete. With a Garmin Golf membership, you can view green contour data on your phone and MARQ Aviator device.

The Garmin Golf app syncs your data with your Garmin Connect account. You can download the Garmin Golf app from the app store on your phone (garmin.com/golfapp).

Connecting to the Garmin Pilot App

You can use the Garmin Pilot app to create flight plans and send them to your MARQ watch. The Garmin Pilot app is available for some mobile devices. See the app store for your mobile device for availability and compatibility information.

Your MARQ watch connects to the Garmin Pilot app using Bluetooth technology. Go to garmin.com/ble for compatibility information.

1. Pair your phone with your MARQ watch (*Pairing Your Phone*, page 112).
2. From the app store on your phone, install and open the Garmin Pilot app.
3. Sign in to the Garmin Pilot app with your Garmin account login credentials.
4. In the Garmin Pilot app, select **Home** > **Connext** > **All Devices**, and select your watch.

Updating the Aviation Database

Before you can update the aviation database, you must create a Garmin account and add your watch. You can view your unit ID on the device information screen (*Viewing Device Information*, page 140).

The aviation database is valid for 28 days at a time and includes worldwide airport locations, navigational aids, and intersection data.

1. Go to flyGarmin.com.
2. Log in to your Garmin account.
3. Select an option:
   - Connect your watch to a computer using the included USB cable.
   - Connect your watch to a Wi-Fi wireless network.
4. Follow the on-screen instructions to update the aviation database.

When your watch is connected to a Wi-Fi wireless network, database updates are downloaded automatically overnight.

Syncing Manually with the Aviation Database

When your watch is connected to a Wi-Fi wireless network, database updates are downloaded automatically overnight. You can also manually sync with the database at any time.

1. Hold **MENU**.
2. Select **Connectivity** > **Wi-Fi** > **Aviation Database Updates**.
3. Wait while your data syncs.

Garmin Share

NOTICE

It is your responsibility to use discretion when sharing information with others. Always ensure you are aware of and comfortable with the individual with whom you share information.

The Garmin Share feature allows you to use Bluetooth technology to wirelessly share your data with other compatible Garmin devices. With Garmin Share enabled and compatible Garmin devices in range of each other, you can select saved locations, courses, and workouts to transfer to another device through a direct, secured device-to-device connection, without the need for a phone or Wi-Fi connectivity.

Sharing Data with Garmin Share

Before you can use this feature, you must have Bluetooth technology enabled on both compatible devices, and they must be within 3 m (10 ft.) of each other. When prompted, you must also consent to share your data with other Garmin devices using Garmin Share.

Your MARQ watch can send and receive data when connected to another compatible Garmin device (*Receiving Data with Garmin Share*, page 120). You can also transfer your data between different devices. For example, you can share a favorite course from your Edge bike computer to your compatible Garmin watch.

1. From the watch face, press **START**.
2. Select **Garmin Share** > **Share**.
3. Select a category, and select one item.
4. Select an option:
   - Select **Share**.
   - Select **Add More** > **Share** to select more than one item to share.
5. Wait while the device locates compatible devices.
6. Select a device.
7. Confirm the six-digit PIN matches on both devices, and select ✓.
8. Wait while the devices transfer the data.
9. Select **Share Again** to share the same items with another user (optional).
10. Select **Done**.

Receiving Data with Garmin Share

Before you can use this feature, you must have Bluetooth technology enabled on both compatible devices, and they must be within 3 m (10 ft.) of each other. When prompted, you must also consent to share your data with other Garmin devices using Garmin Share.

1. From the watch face, press **START**.
2. Select **Garmin Share**.
3. Wait while the device locates compatible devices in range.
4. Select ✓.
5. Confirm the six-digit PIN matches on both devices, and select ✓.
6. Wait while the devices transfer the data.
7. Select **Done**.

Garmin Share Settings

Hold **MENU**, and select **Connectivity** > **Garmin Share**.

Status: Enables the watch to send and receive items through Garmin Share.

Forget Devices: Removes all of the devices the watch has previously shared items with.

User Profile

You can update your user profile on your watch or on the Garmin Connect app.

Setting Up Your User Profile

You can update your sex, date of birth, height, weight, wrist, heart rate zone, power zone, and Critical Swim Speed (CSS) settings. The watch uses this information to calculate accurate training data.

1. Hold **MENU**.
2. Select **User Profile**.
3. Select an option.

Gender Settings

When you first set up the watch, you must choose a sex. Most fitness and training algorithms are binary. For the most accurate results, Garmin recommends selecting your sex assigned at birth. After the initial setup, you can customize the profile settings in your Garmin Connect account.

Profile & Privacy: Enables you to customize the data on your public profile.

User Settings: Sets your sex. If you select Not Specified, the algorithms that require a binary input will use the sex you specified when you first set up the watch.

Viewing Your Fitness Age

Your fitness age gives you an idea of how your fitness compares with a person of the same sex. Your watch uses information, such as your age, body mass index (BMI), resting heart rate data, and vigorous activity history to provide a fitness age. If you have an Index™ scale, your watch uses the body fat percentage metric instead of BMI to determine your fitness age. Exercise and lifestyle changes can impact your fitness age.

NOTE: For the most accurate fitness age, complete the user profile setup (*Setting Up Your User Profile*, page 120).

1. Hold **MENU**.
2. Select **User Profile** > **Fitness Age**.

About Heart Rate Zones

Many athletes use heart rate zones to measure and increase their cardiovascular strength and improve their level of fitness. A heart rate zone is a set range of heartbeats per minute. The five commonly accepted heart rate zones are numbered from 1 to 5 according to increasing intensity. Generally, heart rate zones are calculated based on percentages of your maximum heart rate.

Fitness Goals

Knowing your heart rate zones can help you measure and improve your fitness by understanding and applying these principles.

- Your heart rate is a good measure of exercise intensity.
- Training in certain heart rate zones can help you improve cardiovascular capacity and strength.

If you know your maximum heart rate, you can use the table (*Heart Rate Zone Calculations*, page 123) to determine the best heart rate zone for your fitness objectives.

If you do not know your maximum heart rate, use one of the calculators available on the Internet. Some gyms and health centers can provide a test that measures maximum heart rate. The default maximum heart rate is 220 minus your age.

Setting Your Heart Rate Zones

The watch uses your user profile information from the initial setup to determine your default heart rate zones. You can set separate heart rate zones for sport profiles, such as running, cycling, and swimming. For the most accurate calorie data during your activity, set your maximum heart rate. You can also set each heart rate zone and enter your resting heart rate manually. You can manually adjust your zones on the watch or using your Garmin Connect account.

1. Hold **MENU**.
2. Select **User Profile** > **Heart Rate & Power Zones** > **Heart Rate**.
3. Select **Max. HR**, and enter your maximum heart rate.

   You can use the Auto Detection feature to automatically record your maximum heart rate during an activity (*Detecting Performance Measurements Automatically*, page 123).
4. Select **LTHR**, and enter your lactate threshold heart rate (*Lactate Threshold*, page 77).

   You can use the Auto Detection feature to automatically record your lactate threshold during an activity (*Detecting Performance Measurements Automatically*, page 123).
5. Select **Resting HR** > **Set Custom**, and enter your resting heart rate.

   You can use the average resting heart rate measured by your watch, or you can set a custom resting heart rate.
6. Select **Zones** > **Based On**.
7. Select an option:
   - Select **BPM** to view and edit the zones in beats per minute.
   - Select **%Max. HR** to view and edit the zones as a percentage of your maximum heart rate.
   - Select **%HRR** to view and edit the zones as a percentage of your heart rate reserve (maximum heart rate minus resting heart rate).
   - Select **%LTHR** to view and edit the zones as a percentage of your lactate threshold heart rate.
8. Select a zone, and enter a value for each zone.
9. Select **Sport Heart Rate**, and select a sport profile to add separate heart rate zones (optional).
10. Repeat the steps to add sport heart rate zones (optional).

Letting the Watch Set Your Heart Rate Zones

The default settings allow the watch to detect your maximum heart rate and set your heart rate zones as a percentage of your maximum heart rate.

- Verify that your user profile settings are accurate (*Setting Up Your User Profile*, page 120).
- Run often with the wrist or chest heart rate monitor.
- View your heart rate trends and time in zones using your Garmin Connect account.

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

Setting Your Power Zones

The power zones use default values based on gender, weight, and average ability, and may not match your personal abilities. If you know your functional threshold power (FTP) or threshold power (TP) value, you can enter it and allow the software to calculate your power zones automatically. You can manually adjust your zones on the watch or using your Garmin Connect account.

1. Hold **MENU**.
2. Select **User Profile** > **Heart Rate & Power Zones** > **Power**.
3. Select an activity.
4. Select **Based On**.
5. Select an option:
   - Select **Watts** to view and edit the zones in watts.
   - Select **% FTP** or **% TP** to view and edit the zones as a percentage of your threshold power.
6. Select **FTP** or **Threshold Power**, and enter your value.

   You can use the Auto Detection feature to automatically record your threshold power during an activity (*Detecting Performance Measurements Automatically*, page 123).
7. Select a zone, and enter a value for each zone.
8. If necessary, select **Minimum**, and enter a minimum power value.

Detecting Performance Measurements Automatically

The Auto Detection feature is turned on by default. The watch can automatically detect your maximum heart rate and lactate threshold during an activity. When paired with a compatible power meter, the watch can automatically detect your functional threshold power (FTP) during an activity.

1. Hold **MENU**.
2. Select **User Profile** > **Heart Rate & Power Zones** > **Auto Detection**.
3. Select an option.

Safety and Tracking Features

⚠ CAUTION

The safety and tracking features are supplemental features and should not be relied on as a primary method to obtain emergency assistance. The Garmin Connect app does not contact emergency services on your behalf.

NOTICE

To use the safety and tracking features, the MARQ Aviator watch must be connected to the Garmin Connect app using Bluetooth technology. Your paired phone must be equipped with a data plan and be in an area of network coverage where data is available. You can enter emergency contacts in your Garmin Connect account.

For more information about safety and tracking features, go to garmin.com/safety.

Assistance: Allows you to send a message with your name, LiveTrack link, and GPS location (if available) to your emergency contacts.

Incident detection: When the MARQ Aviator watch detects an incident during certain outdoor activities, the watch sends an automated message, LiveTrack link, and GPS location (if available) to your emergency contacts.

LiveTrack: Allows friends and family to follow your races and training activities in real time. You can invite followers using email or social media, allowing them to view your live data on a web page.

Live Event Sharing: Allows you to send messages to friends and family during an event, providing real-time updates.

NOTE: This feature is available only if your watch is connected to a compatible Android phone.

GroupTrack: Allows you to keep track of your connections using LiveTrack directly on screen and in real time.

Adding Emergency Contacts

Emergency contact phone numbers are used for the safety and tracking features.

1. From the Garmin Connect app, select •••.
2. Select **Safety & Tracking** > **Safety Features** > **Emergency Contacts** > **Add Emergency Contacts**.
3. Follow the on-screen instructions.

Your emergency contacts receive a notification when you add them as an emergency contact, and can accept or decline your request. If a contact declines, you must choose another emergency contact.

Adding Contacts

You can add up to 50 contacts to the Garmin Connect app. Contact emails can be used with the LiveTrack feature. Three of these contacts can be used as emergency contacts (*Adding Emergency Contacts*, page 124).

1. From the Garmin Connect app, select •••.
2. Select **Contacts**.
3. Follow the on-screen instructions.

After you add contacts, you must sync your data to apply the changes to your MARQ Aviator device (*Using the Garmin Connect App*, page 116).

Turning Incident Detection On and Off

⚠ CAUTION

Incident detection is a supplemental feature available only for certain outdoor activities. Incident detection should not be relied on as a primary method to obtain emergency assistance. The Garmin Connect app does not contact emergency services on your behalf.

NOTICE

Before you can enable incident detection on your watch, you must set up emergency contacts in the Garmin Connect app (*Adding Emergency Contacts*, page 124). Your paired phone must be equipped with a data plan and be in an area of network coverage where data is available. Your emergency contacts must be able to receive emails or text messages (standard text messaging rates may apply).

1. Hold **MENU**.
2. Select **Safety & Tracking** > **Incident Detection**.
3. Select a GPS activity.

   NOTE: Incident detection is available only for certain outdoor activities.

When an incident is detected by your MARQ Aviator watch and your phone is connected, the Garmin Connect app can send an automated text message and email with your name and GPS location (if available) to your emergency contacts. A message appears on your device and paired phone indicating your contacts will be informed after 15 seconds have elapsed. If assistance is not needed, you can cancel the automated emergency message.

Requesting Assistance

⚠ CAUTION

Assistance is a supplemental feature and should not be relied upon as a primary method to obtain emergency assistance. The Garmin Connect app does not contact emergency services on your behalf.

NOTICE

Before you can request assistance, you must set up emergency contacts in the Garmin Connect app (*Adding Emergency Contacts*, page 124). Your paired phone must be equipped with a data plan and be in an area of network coverage where data is available. Your emergency contacts must be able to receive emails or text messages (standard text messaging rates may apply).

1. Hold **LIGHT**.
2. When you feel three vibrations, release the button to activate the assistance feature.

   The countdown screen appears.

   TIP: You can select **Cancel** before the countdown is complete to cancel the message.

Starting a GroupTrack Session

NOTICE

Your paired phone must be equipped with a data plan and be in an area of network coverage where data is available.

Before you can start a GroupTrack session, you must pair the watch with a compatible phone (*Pairing Your Phone*, page 112).

These instructions are for starting a GroupTrack session with a MARQ Aviator watch. If your connections have other compatible devices, you can see them on the map. The other devices may not be able to display GroupTrack riders on the map.

1. On the MARQ Aviator watch, hold **MENU**, and select **Safety & Tracking** > **GroupTrack** > **Show on Map** to enable viewing connections on the map screen.
2. In the Garmin Connect app, select ••• > **Safety & Tracking** > **LiveTrack** > ⋮ > **Settings** > **GroupTrack**.
3. Select **All Connections** or **Invite Only** and select your connections.
4. Select **Start LiveTrack**.
5. On the watch, start an outdoor activity.
6. Scroll to the map to view your connections.

   TIP: From the map, you can hold **MENU** and select **Nearby Connections** to view distance, direction, and pace or speed information for other connections in the GroupTrack session.

Tips for GroupTrack Sessions

The GroupTrack feature allows you to keep track of other connections in your group using LiveTrack directly on the screen. All members of the group must be your connections in your Garmin Connect account.

- Start your activity outside using GPS.
- Pair your MARQ Aviator device with your phone using Bluetooth technology.
- In the Garmin Connect app, select ••• > **Connections** to update the list of connections for your GroupTrack session.
- Make sure all of your connections pair with their phones and start a LiveTrack session in the Garmin Connect app.
- Make sure all your connections are in range (40 km or 25 mi.).
- During a GroupTrack session, scroll to the map to view your connections (*Adding a Map to an Activity*, page 48).

GroupTrack Settings

Hold **MENU**, and select **Safety & Tracking** > **GroupTrack**.

Show on Map: Enables you to view connections on the map screen during a GroupTrack session.

Activity Types: Allows you to select which activity types appear on the map screen during a GroupTrack session.

Health and Wellness Settings

Hold **MENU**, and select **Health & Wellness**.

Heart Rate: Allows you to customize the wrist heart rate monitor settings (*Wrist Heart Rate Monitor Settings*, page 93).

Pulse Ox Mode: Allows you to select a pulse oximeter mode (*Setting the Pulse Oximeter Mode*, page 95).

Daily Summary: Enables the Body Battery daily summary that appears a few hours before the start of your sleep window. The daily summary provides insight on how your daily stress and activity history impacted your Body Battery level (*Body Battery*, page 72).

Stress Alerts: Notifies you when periods of stress have drained your Body Battery level.

Rest Alerts: Notifies you after you have a restful period and its impact on your Body Battery level.

Move Alert: Enables or disables the Move Alert feature (*Using the Move Alert*, page 127).

Goal Alerts: Allows you to turn on and off goal alerts, or turn them off only during activities. Goal alerts appear for your daily steps goal, daily floors climbed goal, and weekly intensity minutes goal.

Move IQ: Allows you to turn on and off Move IQ® events. When your movements match familiar exercise patterns, the Move IQ feature automatically detects the event and displays it in your timeline. The Move IQ events show activity type and duration, but they do not appear in your activities list or newsfeed. For more detail and accuracy, you can record a timed activity on your device.

Auto Goal

Your device creates a daily step goal automatically, based on your previous activity levels. As you move during the day, the device shows your progress toward your daily goal.

If you choose not to use the auto goal feature, you can set a personalized step goal on your Garmin Connect account.

Using the Move Alert

Sitting for prolonged periods of time can trigger undesirable metabolic state changes. The move alert reminds you to keep moving. After one hour of inactivity, Move! and the move bar appear. Additional segments appear after every 15 minutes of inactivity. The device also beeps or vibrates if audible tones are turned on (*System Settings*, page 137).

Go for a short walk (at least a couple of minutes) to reset the move alert.

Intensity Minutes

To improve your health, organizations such as the World Health Organization recommend at least 150 minutes per week of moderate intensity activity, such as brisk walking, or 75 minutes per week of vigorous intensity activity, such as running.

The watch monitors your activity intensity and tracks your time spent participating in moderate to vigorous intensity activities (heart rate data is required to quantify vigorous intensity). The watch adds the amount of moderate activity minutes with the amount of vigorous activity minutes. Your total vigorous intensity minutes are doubled when added.

Earning Intensity Minutes

Your MARQ Aviator watch calculates intensity minutes by comparing your heart rate data to your average resting heart rate. If heart rate is turned off, the watch calculates moderate intensity minutes by analyzing your steps per minute.

- Start a timed activity for the most accurate calculation of intensity minutes.
- Wear your watch all day and night for the most accurate resting heart rate.

Sleep Tracking

While you are sleeping, the watch automatically detects your sleep and monitors your movement during your normal sleep hours. You can set your normal sleep hours in the Garmin Connect app or in the watch settings (*Customizing Sleep Mode*, page 139). Sleep statistics include total hours of sleep, sleep stages, sleep movement, and sleep score. Your sleep coach provides sleep need recommendations based on your sleep and activity history, HRV status, and naps (*Glances*, page 67). Naps are added to your sleep statistics, and can also impact your recovery. You can view detailed sleep statistics on your Garmin Connect account.

NOTE: You can use do not disturb mode to turn off notifications and alerts, with the exception of alarms (*Controls*, page 87).

Using Automated Sleep Tracking

1. Wear your watch while sleeping.
2. Upload your sleep tracking data to your Garmin Connect account (*Using the Garmin Connect App*, page 116).

   You can view your sleep statistics on your Garmin Connect account.

   You can view sleep information, including naps, on your MARQ Aviator watch (*Glances*, page 67).

Breathing Variations

⚠ WARNING

The MARQ Aviator device is not a medical device and is not intended for use in the diagnosis or monitoring of any medical condition. For more information on pulse oximeter accuracy, go to garmin.com/ataccuracy.

The optical heart rate sensor on the MARQ Aviator device has a pulse oximeter feature that can measure your overnight breathing variations. Breathing variation insights are provided to enhance awareness of your sleep environment and general wellness. Occasional or frequent breathing variations may be due to your individual lifestyle factors or your sleeping environment. Contact your doctor or healthcare provider if you're concerned about your level of breathing variations.

NOTE: You must turn on pulse oximeter sleep tracking to detect breathing variations (*Setting the Pulse Oximeter Mode*, page 95).

The sleep score glance displays your current breathing variations data.

NOTE: You may need to add the glance to your glances list (*Customizing the Glance Loop*, page 71).

On your Garmin Connect account, you can view additional details about breathing variations, including trends over multiple days.

Navigation

Viewing and Editing Your Saved Locations

TIP: You can save a location from the controls menu (*Controls*, page 87).

1. From the watch face, press **START**.
2. Select **Navigate** > **Saved Locations**.
3. Select a saved location.
4. Select an option to view or edit the location details.

Saving a Dual Grid Location

You can save your current location using dual grid coordinates to navigate back to the same location later.

1. Customize a button or button combination for the **Dual Grid** feature (*Customizing the Hot Keys*, page 139).
2. Hold the button or button combination you customized to save a dual grid location.
3. Wait while the watch locates satellites.
4. Press **START** to save the location.
5. If necessary, press **DOWN** to edit the location details.

Setting a Reference Point

You can set a reference point to provide the heading and distance to a location or bearing.

1. Select an option:
   - Hold **LIGHT**.

     TIP: You can set a reference point while you are recording an activity.
   - From the watch face, press **START**.
2. Select **Reference Point**.
3. Wait while the watch locates satellites.
4. Press **START**, and select **Add Point**.
5. Select a location or bearing to use as a reference point for navigation.

   The compass arrow and distance to your destination appear.
6. Point the top of the watch toward your heading.

   When you deviate from the heading, the compass displays the direction from the heading and degree of deviation.
7. If necessary, press **START**, and select **Change Point** to set a different reference point.

Navigating to a Destination

You can use your device to navigate to a destination or follow a course.

1. From the watch face, press **START**.
2. Select an activity.
3. Hold **MENU**.
4. Select **Navigation**.
5. Select a category.
6. Respond to the on-screen prompts to choose a destination.
7. Select **Go To**.

   Navigation information appears.
8. Press **START** to begin navigation.

Navigating to a Point of Interest

If the map data installed on your watch includes points of interest, you can navigate to them.

1. From the watch face, press **START**.
2. Select an activity.
3. Hold **MENU**.
4. Select **Navigation** > **Points of Interest**, and select a category.

   A list of points of interest near your current location appears.
5. If necessary, select an option:
   - To search near a different location, select **Search Near**, and select a location.
   - To search for a point of interest by name, select **Spell Search**, and enter a name.
   - To search for nearby points of interest, select **Around Me** (*Navigating with the Around Me Feature*, page 107).
6. Select a point of interest from the search results.
7. Select **Go**.

   Navigation information appears.
8. Press **START** to begin navigation.

Navigating to the Starting Point of a Saved Activity

You can navigate back to the starting point of a saved activity in a straight line or along the path you traveled. This feature is available only for activities that use GPS.

1. From the watch face, press **START**.
2. Select an activity.
3. Hold **MENU**.
4. Select **Navigation** > **Activities**.
5. Select an activity.
6. Select **Back to Start**, and select an option:
   - To navigate back to the starting point of your activity along the path you traveled, select **TracBack**.
   - If you do not have a supported map or are using direct routing, select **Route** to navigate back to the starting point of your activity in a straight line.
   - If you are not using direct routing, select **Route** to navigate back to the starting point of your activity using turn-by-turn directions.

   Turn-by-turn directions help you navigate to the starting point of your last saved activity if you have a supported map or are using direct routing. A line appears on the map from your current location to the starting point of the last saved activity if you are not using direct routing.

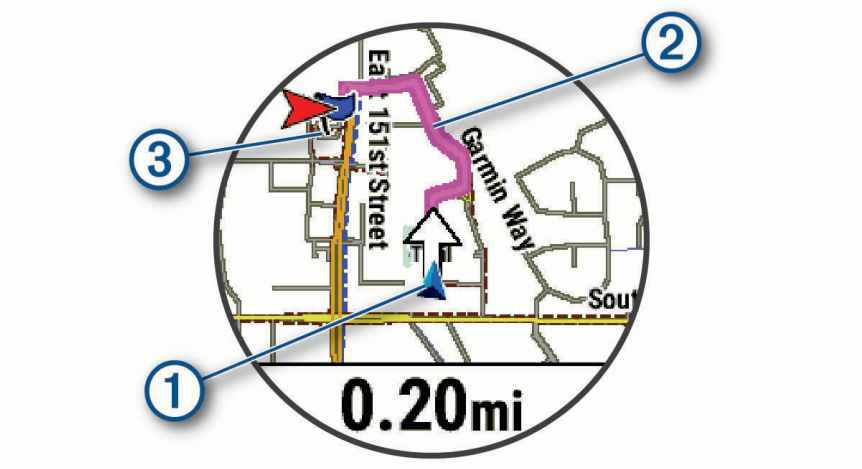
   NOTE: You can start the timer to prevent the device from timing out to watch mode.
7. Press **DOWN** to view the compass (optional).

   The arrow points toward your starting point.

Navigating to Your Starting Point During an Activity

You can navigate back to the starting point of your current activity in a straight line or along the path you traveled. This feature is available only for activities that use GPS.

1. During an activity, press **STOP**.
2. Select **Back to Start**, and select an option:
   - To navigate back to the starting point of your activity along the path you traveled, select **TracBack**.
   - If you do not have a supported map or are using direct routing, select **Route** to navigate back to the starting point of your activity in a straight line.
   - If you are not using direct routing, select **Route** to navigate back to the starting point of your activity using turn-by-turn directions.



Your current location ①, the track to follow ②, and your destination ③ appear on the map.

Viewing Route Directions

You can view a list of turn-by-turn directions for your route.

1. While navigating a route, hold **MENU**.
2. Select **Turn By Turn**.

   A list of turn-by-turn directions appears.
3. Press **DOWN** to view additional directions.

Navigating with Sight 'N Go

You can point the device at an object in the distance, such as a water tower, lock in the direction, and then navigate to the object.

1. From the watch face, press **START**.
2. Select an activity.
3. Hold **MENU**.
4. Select **Navigation** > **Sight 'N Go**.
5. Point the top of the watch at an object, and press **START**.

   Navigation information appears.
6. Press **START** to begin navigation.

Marking and Starting Navigation to a Man Overboard Location

You can save a man overboard (MOB) location, and automatically start navigation back to it.

TIP: You can customize the hold function of the keys to access the MOB function (*Customizing the Hot Keys*, page 139).

1. From the watch face, press **START**.
2. Select an activity.
3. Hold **MENU**.
4. Select **Navigation** > **Last MOB**.

   Navigation information appears.

Sharing a Location From a Map Using the Garmin Connect App

NOTICE

It is your responsibility to use discretion when sharing location information with others. Always ensure you are aware of and comfortable with the individual with whom you share location information.

NOTE: This feature is available only if your course-compatible Garmin device is connected to an iPhone device using Bluetooth technology.

You can share location information and data from Apple Maps to your compatible Garmin device.

1. From Apple Maps, select a location.
2. Select > .
3. If necessary, from the Garmin Connect app, select the Garmin device.

   A notification appears in the Garmin Connect app indicating that the location in now available on your device (*Starting a GPS Activity From a Shared Location*, page 132).

Starting a GPS Activity From a Shared Location

You can use the Garmin Connect app to share a location from Apple Maps to your watch, and navigate to that location (*Sharing a Location From a Map Using the Garmin Connect App*, page 131).

1. When you receive the location notification on your watch, select ✔.

   Your watch displays location information.

   TIP: The location is saved to your watch. To view the location later, press **START**, and select **Navigate** > **Saved Locations**.
2. Select **Go To**, and choose an activity.
3. Follow the on-screen instructions to proceed to your destination.

Navigating to a Shared Location During an Activity

This feature is designed for activities using GPS. If GPS is turned off for your activity, you can view the location later.

TIP: The location is saved to your watch. To view the location later, press **START**, and select **Navigate** > **Saved Locations**.

You can receive shared locations on your watch and navigate to those locations (*Sharing a Location From a Map Using the Garmin Connect App*, page 131).

1. Start a GPS activity (*Starting an Activity*, page 18).

   Your watch displays a notification indicating the name of a shared location.
2. Select ✔ to navigate to the shared location.
3. Follow the on-screen instructions to proceed to your destination.

Stopping Navigation

1. During an activity, hold **MENU**.
2. Select **Stop Navigation**.

Courses

⚠ WARNING

This feature allows users to download courses created by other users. Garmin makes no representations about the safety, accuracy, reliability, completeness, or timeliness of courses created by third parties. Any use or reliance on courses created by third parties is at your own risk.

You can send a course from your Garmin Connect account to your device. After it is saved to your device, you can navigate the course on your device.

You can follow a saved course simply because it is a good route. For example, you can save and follow a bike friendly commute to work.

You can also follow a saved course, trying to match or exceed previously set performance goals. For example, if the original course was completed in 30 minutes, you can race against a Virtual Partner trying to complete the course in under 30 minutes.

Creating and Following a Course on Your Device

1. From the watch face, press **START**.
2. Select an activity.
3. Hold **MENU**.
4. Select **Navigation** > **Courses** > **Create New**.
5. Enter a name for the course, and select ✔.
6. Select **Add Location**.
7. Select an option.
8. If necessary, repeat steps 6 and 7.
9. Select **Done** > **Do Course**.
   Navigation information appears.
10. Press **START** to begin navigation.

Creating a Round-Trip Course

The device can create a round-trip course based on a specified distance and direction of navigation.

1. From the watch face, press **START**.
2. Select **Run** or **Bike**.
3. Hold **MENU**.
4. Select **Navigation** > **Round-Trip Course**.
5. Enter the total distance for the course.
6. Select a direction heading.
   The device creates up to three courses. You can press **DOWN** to view the courses.
7. Press **START** to select a course.
8. Select an option:
   - To begin navigation, select **Go**.
   - To view the course on the map and pan or zoom the map, select **Map**.
   - To view a list of turns in the course, select **Turn By Turn**.
   - To view an elevation plot of the course, select **Elevation Plot**.
   - To save the course, select **Save**.
   - To view a list of ascents in the course, select **View Climbs**.

Creating a Course on Garmin Connect

Before you can create a course on the Garmin Connect app, you must have a Garmin Connect account (*Garmin Connect*, page 115).

1. From the Garmin Connect app, select •••.
2. Select **Training & Planning** > **Courses** > **Create Course**.
3. Select a course type.
4. Follow the on-screen instructions.
5. Select **Done**.
   NOTE: You can send this course to your device (*Sending a Course to Your Device*, page 134).

Sending a Course to Your Device

You can send a course you created using the Garmin Connect app to your device (*Creating a Course on Garmin Connect*, page 133).

1. From the Garmin Connect app, select •••.
2. Select **Training & Planning** > **Courses**.
3. Select a course.
4. Select .
5. Select your compatible device.
6. Follow the on-screen instructions.

Viewing or Editing Course Details

You can view or edit course details before you navigate a course.

1. From the watch face, press **START**.
2. Select an activity.
3. Hold **MENU**.
4. Select **Navigate** > **Courses**.
5. Select a course.
6. Select an option:
   - To begin navigation, select **Do Course**.
   - To create a custom pace band, select **PacePro**.
   - To create or view an analysis of your effort for the course, select **Power Guide**.
   - To view the course on the map and pan or zoom the map, select **Map**.
   - To begin the course in reverse, select **Do Course in Reverse**.
   - To view an elevation plot of the course, select **Elevation Plot**.
   - To change the course name, select **Name**.
   - To edit the course path, select **Edit**.
   - To view a list of ascents in the course, select **View Climbs**.
   - To delete the course, select **Delete**.

Projecting a Waypoint

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

NOTE: You may need to add the Project Wpt. app to the activities and apps list.

1. From the watch face, press **START**.
2. Select **Project Wpt.**.
3. Press **UP** or **DOWN** to set the heading.
4. Press **START**.
5. Press **DOWN** to select a unit of measure.
6. Press **UP** to enter the distance.
7. Press **START** to save.

The projected waypoint is saved with a default name.

Navigation Settings

You can customize the map features and appearance when navigating to a destination.

Customizing Navigation Data Screens

1. Hold **MENU**.
2. Select **Navigation** > **Data Screens**.
3. Select an option:
   - Select **Map** > **Status** to turn on or off the map.
   - Select **Map** > **Data Field** to turn on or off a data field that shows routing information on the map.
   - Select **Up Ahead** to turn on or off information about upcoming course points.
   - Select **Guide** to turn on or off the guide screen that displays the compass bearing or course to follow while navigating.
   - Select **Elevation Plot** to turn on or off the elevation plot.
   - Select a screen to add, remove, or customize.

Setting Up a Heading Bug

You can set up a heading indicator to display on your data pages while navigating. The indicator points to your target heading.

1. Hold **MENU**.
2. Select **Navigation** > **Heading Bug**.

Setting Navigation Alerts

You can set alerts to help you navigate to your destination.

1. Hold **MENU**.
2. Select **Navigation** > **Alerts**.
3. Select an option:
   - To set an alert for a specified distance from your final destination, select **Final Distance**.
   - To set an alert for the estimated time remaining until you reach your final destination, select **Final ETE**.
   - To set an alert when you stray from the course, select **Off Course**.
   - To enable turn-by-turn navigation prompts, select **Turn Prompts**.
4. If necessary, select **Status** to turn on the alert.
5. If necessary, enter a distance or time value, and select ✔.

Power Manager Settings

Hold **MENU**, and select **Power Manager**.

Battery Saver: Allows you to customize system settings to extend battery life in watch mode (*Customizing the Battery Saver Feature*, page 136).

Power Modes: Allows you to customize system settings, activity settings, and GPS settings to extend battery life during an activity (*Customizing Power Modes*, page 136).

Battery Percentage: Displays remaining battery life as a percentage.

Battery Estimates: Displays remaining battery life as an estimated number of days or hours.

Customizing the Battery Saver Feature

The battery saver feature allows you to quickly adjust system settings to extend battery life in watch mode.

You can turn on the battery saver feature from the controls menu (*Controls*, page 87).

1. Hold **MENU**.
2. Select **Power Manager** > **Battery Saver**.
3. Select **Status** to turn on the battery saver feature.
4. Select **Edit**, and select an option:
   - Select **Watch Face** to enable a low-power watch face that updates once per minute.
   - Select **Music** to disable listening to music from your watch.
   - Select **Phone** to disconnect your paired phone.
   - Select **Wi-Fi** to disconnect from a Wi-Fi network.
   - Select **Wrist Heart Rate** to turn off the wrist heart rate monitor.
   - Select **Pulse Oximeter** to turn off the pulse oximeter sensor.
   - Select **Always On Display** to turn off the screen when not in use.
   - Select **Brightness** to reduce the screen brightness.

   The watch displays the hours of battery life gained with each setting change.
5. Select **Low Battery Alert** to receive an alert when the battery power is low.

Changing the Power Mode

You can change the power mode to extend battery life during an activity.

1. During an activity, hold **MENU**.
2. Select **Power Mode**.
3. Select an option.

   The watch displays the hours of battery life available with the selected power mode.

Customizing Power Modes

Your device comes preloaded with several power modes, allowing you to quickly adjust system settings, activity settings, and GPS settings to extend battery life during an activity. You can customize existing power modes and create new custom power modes.

1. Hold **MENU**.
2. Select **Power Manager** > **Power Modes**.
3. Select an option:
   - Select a power mode to customize.
   - Select **Add New** to create a custom power mode.
4. If necessary, enter a custom name.
5. Select an option to customize specific power mode settings.

   For example, you can change the GPS setting or disconnect your paired phone.

   The watch displays the hours of battery life gained with each setting change.
6. If necessary, select **Done** to save and use the custom power mode.

Restoring a Power Mode

You can reset a preloaded power mode to the factory default settings.

1. Hold **MENU**.
2. Select **Power Manager** > **Power Modes**.
3. Select a preloaded power mode.
4. Select **Restore** > **Yes**.

System Settings

Hold **MENU**, and select **System**.

Language: Sets the language displayed on the watch.

Time: Adjusts the time settings (*Time Settings*, page 137).

Display: Adjusts the screen settings (*Changing the Screen Settings*, page 138).

Touch: Enables the touchscreen during general use, activities, or sleep.

Satellites: Sets the default satellite system to use for activities. If necessary, you can customize the satellite setting for each activity (*Satellite Settings*, page 54).

Sound and Vibe: Sets the watch sounds, such as button tones, alerts, and vibrations.

Sleep Mode: Sets your sleep hours and sleep mode preferences (*Customizing Sleep Mode*, page 139).

Do Not Disturb: Enables the Do Not Disturb mode. You can edit your preferences for the screen, notifications, alerts, and wrist gestures.

Hot Keys: Assigns shortcuts to buttons (*Customizing the Hot Keys*, page 139).

Auto Lock: Locks the buttons and touchscreen automatically to prevent accidental button presses and touchscreen swipes. Use the During Activity option to lock the buttons and touchscreen during a timed activity. Use the Not During Activity option to lock the buttons and touchscreen when you are not recording a timed activity.

Format: Sets general format preferences, such as the units of measure, pace and speed shown during activities, the start of the week, and geographical position format and datum options (*Changing the Units of Measure*, page 140).

Passcode: Sets a four-digit passcode to secure your personal information when the watch is not on your wrist (*Setting Your Watch Passcode*, page 139).

Perf. Condition: Enables the performance condition feature during an activity (*Performance Condition*, page 76).

Data Recording: Sets how the watch records activity data. The Smart recording option (default) allows for longer activity recordings. The Every Second recording option provides more detailed activity recordings, but may not record entire activities that last for longer periods of time.

USB Mode: Sets the watch to use MTP (media transfer protocol) or Garmin mode when connected to a computer.

Back Up & Restore: Configures watch data backups (*Back Up and Restore Settings*, page 140).

Reset: Resets user data and settings (*Resetting All Default Settings*, page 148).

Software Update: Installs downloaded software updates, enables automatic updates, or manually checks for updates (*Product Updates*, page 146). You can select What's New to view a list of new features from the last software update you installed.

About: Displays device, software, license, and regulatory information.

Time Settings

Hold **MENU**, and select **System** > **Time**.

Time Format: Sets the watch to show time in a 12-hour, 24-hour, or military format.

Date Format: Sets the display order for the day, month, and year for dates.

Set Time: Sets the time zone for the watch. The Auto option sets the time zone automatically based on your GPS position.

Time: Allows you to adjust the time if the Set Time option is set to Manual.

Alerts: Allows you to set hourly alerts, as well as sunrise and sunset alerts that sound a specific number of minutes or hours before the actual sunrise or sunset occurs (*Setting Time Alerts*, page 138).

Time Sync: Allows you to manually sync the time when you change time zones, and to update for daylight saving time (*Syncing the Time*, page 138).

Setting Time Alerts

1. Hold **MENU**.
2. Select **System** > **Time** > **Alerts**.
3. Select an option:
   - To set an alert to sound a specific number of minutes or hours before the actual sunset occurs, select **Til Sunset** > **Status** > **On**, select **Time**, and enter the time.
   - To set an alert to sound a specific number of minutes or hours before the actual sunrise occurs, select **Til Sunrise** > **Status** > **On**, select **Time**, and enter the time.
   - To set an alert to sound every hour, select **Hourly** > **On**.

Syncing the Time

Each time you turn on the watch and acquire satellites or open the Garmin Connect app on your paired phone, the watch automatically detects your time zone and the current time of day. You can also manually sync the time when you change time zones, and to update for daylight saving time.

1. Hold **MENU**.
2. Select **System** > **Time** > **Time Sync**.
3. Wait while the watch connects to your paired phone or locates satellites (*Acquiring Satellite Signals*, page 149).

   TIP: You can press DOWN to switch the source.

Changing the Screen Settings

1. Hold **MENU**.
2. Select **System** > **Display**.
3. Select **Large Fonts** to increase the size of the text on the screen.
4. Select an option:
   - Select **During Activity**.
   - Select **General Use**.
   - Select **During Sleep**.
5. Select an option:

   NOTE: Not all options are available for all modes.
   - Select **Always On Display** to keep the watch face data visible and turn down the brightness and background. This option impacts the battery and display life (*About the AMOLED Display*, page 141).
   - Select **Brightness** to set the brightness level of the screen.
   - Select **Red Shift** to turn the screen to shades of red, green, or orange so that you can use the watch in low light conditions and help preserve your night vision.
   - Select **Wrist Gesture** to turn on the screen by raising and turning your arm to look at your wrist.
   - Select **Timeout** to set the length of time before the screen turns off.

Customizing Sleep Mode

1 Hold **MENU**.
2 Select **System** > **Sleep Mode**.
3 Select an option:
- Select **Schedule**, select a day, and enter your normal sleep hours.
- Select **Watch Face** to use the sleep watch face.
- Select **Display** to configure the screen settings.
- Select **Nap Alarm** to set nap alarms to play as a tone, vibration, or both.
- Select **Touch** to turn the touchscreen on or off.
- Select **Do Not Disturb** to enable or disable do not disturb mode.
- Select **Battery Saver** to enable or disable battery saver mode (*Customizing the Battery Saver Feature*, page 136).

Customizing the Hot Keys

You can customize the hold function of individual buttons and combinations of buttons.

1 Hold **MENU**.
2 Select **System** > **Hot Keys**.
3 Select a button or combination of buttons to customize.
4 Select a function.

Setting Your Watch Passcode

NOTICE

If you enter your passcode incorrectly three times, the watch locks temporarily. After five incorrect attempts, the watch locks until you reset your passcode in the Garmin Connect app. If you have not paired your watch with your phone, the watch deletes your data and resets to the factory default settings after five incorrect attempts.

You can set up a watch passcode to secure your personal information when the watch is not on your wrist. If you are using the Garmin Pay feature, the watch uses the same four-digit passcode required to open your wallet (*Garmin Pay*, page 90).

1 Hold **MENU**.
2 Select **System** > **Passcode** > **Set Passcode**.
3 Enter a four-digit passcode.

The next time you remove the watch from your wrist, you must enter the passcode before you can view any information.

Changing Your Watch Passcode

You must know your existing watch passcode to change it. If you forget your passcode or make too many incorrect passcode attempts, you must reset it in the Garmin Connect app.

1 Hold **MENU**.
2 Select **System** > **Passcode** > **Change Passcode**.
3 Enter your existing four-digit passcode.
4 Enter a new four-digit passcode.

The next time you remove the watch from your wrist, you must enter the passcode before you can view any information.

Changing the Units of Measure

You can customize units of measure for distance, pace and speed, elevation, and more.

1. Hold **MENU**.
2. Select **System** > **Format** > **Units**.
3. Select a measurement type.
4. Select a unit of measure.

Back Up and Restore Settings

You can back up the settings from an existing Garmin watch and restore those settings to a different, compatible Garmin watch using the Garmin Connect app (*Restoring Your Settings and Data from Garmin Connect*, page 140). Settings include sport profiles, widgets, user settings, workouts, and more.

Hold **MENU**, and select **System** > **Back Up & Restore**.

Automatic Backups: Periodically backs up your settings to your Garmin Connect account.

Back Up Now: Allows you to manually back up your settings to your Garmin Connect account.

Backup Contents: Displays the type of data that is saved.

Restoring Your Settings and Data from Garmin Connect

1. From the Garmin Connect app, select •••.
2. Select **Garmin Devices**, and select your watch.
3. Select **System** > **Back Up & Restore** > **Device Backups**.
4. Select a backup from the list.
5. Select **Restore from Backup** > **Restore**.
6. Follow the on-screen instructions.
7. Wait for your watch to sync with the app.
8. On your watch, press **START**, and select ✓.
   The watch restarts and restores your settings and data.
9. Follow the on-screen instructions.

Viewing Device Information

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

1. Hold **MENU**.
2. Select **System** > **About**.

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. Hold **MENU**.
2. From the system menu, select **About**.

Device Information

About the AMOLED Display

By default, the watch settings are optimized for battery life and performance (*Tips for Maximizing the Battery Life*, page 148).

Image persistence, or pixel "burn-in," is normal behavior for AMOLED devices. To extend the display life, you should avoid displaying static images at high brightness levels for long time periods. To minimize burn-in, the MARQ Aviator display turns off after the selected timeout (*Changing the Screen Settings*, page 138). You can turn your wrist toward your body, tap the touchscreen, or press a button to wake the watch.

Charging the Device

⚠ WARNING

This device contains a lithium-ion battery. See the *Important Safety and Product Information* guide in the product box for product warnings and other important information.

Both the device and its charger contain magnets. Under certain circumstances, magnets may cause interference with some medical devices, including pacemakers and insulin pumps. Devices and chargers that contain magnets should be kept away from such medical devices.

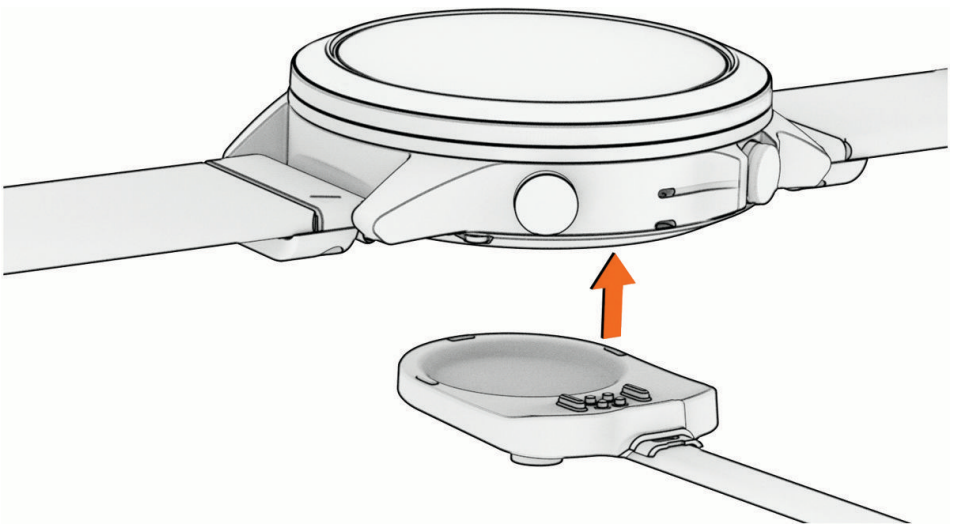
NOTICE

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

To prevent corrosion, thoroughly clean and dry the contacts and the surrounding area before charging or connecting to a computer. Refer to the cleaning instructions (*Device Care*, page 145).

Your watch comes with a proprietary charging cable. For optional accessories and replacement parts, go to buy.garmin.com, or contact your Garmin dealer.

1 Align the charger with the back of the device, and press the charger into place.



2 Plug the other end of the cable into a USB-C® computer port or AC adapter.
The watch displays the current battery charge level.

Specifications

Battery type	Rechargeable, built-in lithium-ion battery
Water rating	10 ATM[1]
Operating and storage temperature range	From -20º to 45ºC (from -4º to 113ºF)
USB charging temperature range	From 0º to 45ºC (from 32º to 113ºF)
European Union (EU) wireless frequencies (power)	2.4 GHz @ 15.78 dBm maximum, 13.56 MHz @ -40 dBm maximum
EU SAR values	0.58 W/kg torso, 0.03 W/kg limb

Battery Information

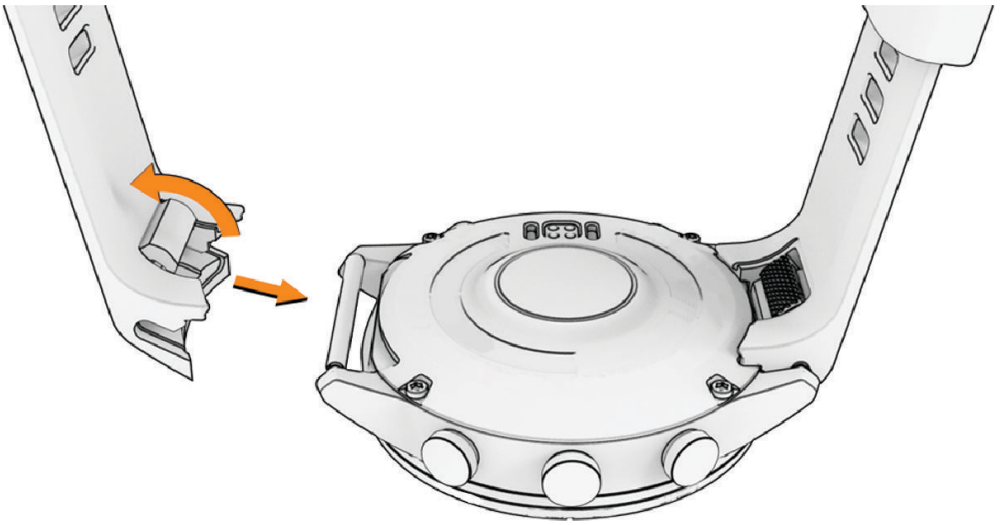
The actual battery life depends on the features enabled on your watch, such as wrist-based heart rate, smartphone notifications, GPS, internal sensors, and connected sensors.

Mode	Battery Life with Always On Display	Battery Life with Wrist Gesture
Smartwatch mode	Up to 6 days	Up to 16 days
Battery saver watch mode	Not applicable	Up to 21 days
GPS only mode	Up to 30 hr.	Up to 42 hr.
All satellite systems mode	Up to 24 hr.	Up to 32 hr.
All satellite systems plus multi-band mode	Up to 22 hr.	Up to 28 hr.
All satellite systems with music mode	Up to 9 hr.	Up to 10 hr.
Max. battery GPS mode	Not applicable	Up to 75 hr.
Expedition GPS mode	Not applicable	Up to 14 days

[1] The device withstands pressure equivalent to a depth of 100 m. For more information, go to www.garmin.com/waterrating.

Changing Integrated QuickFit® Accessories

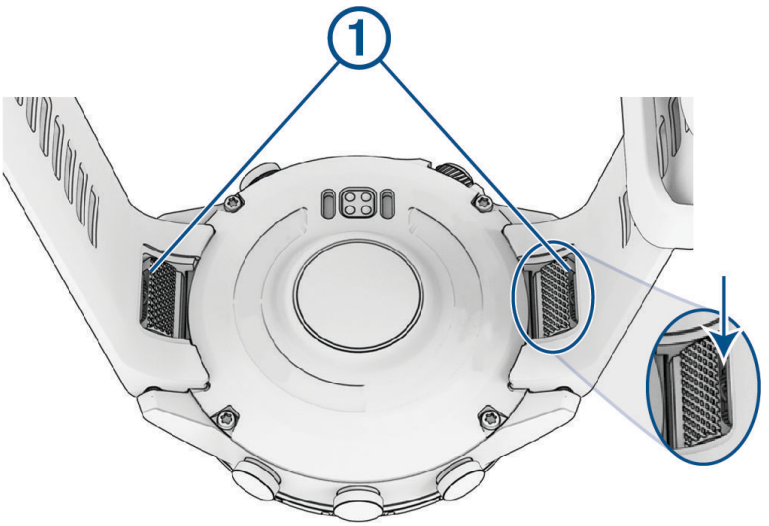
1 Pull to open the latch, and remove the integrated QuickFit strap or bracelet from the watch.



2 Pull to open the latch on the integrated strap or bracelet, and align it with the watch.

3 Close the latch over the watch pin.

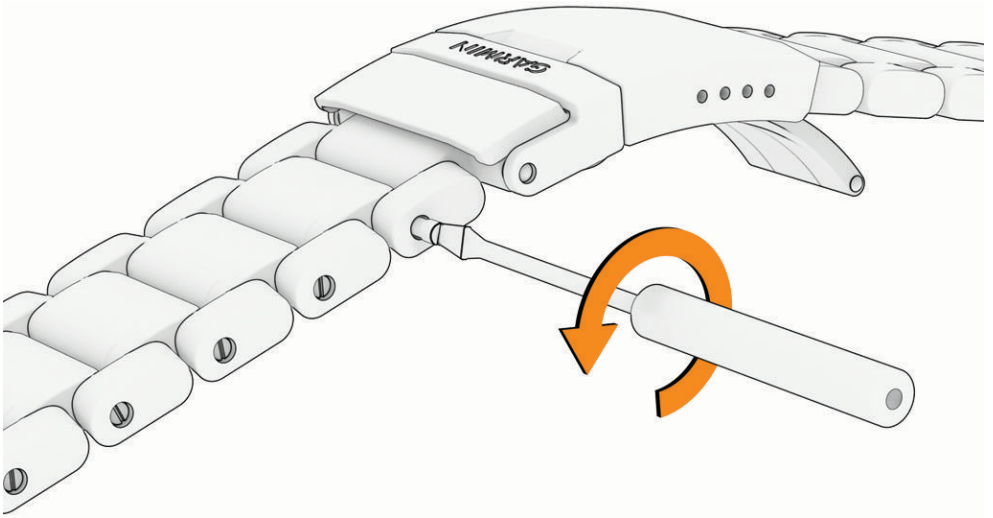
NOTE: Make sure the strap or bracelet is secure. There should be a small gap ① between the latch and the strap or bracelet.



Tips for Adjusting the Metal Bracelet

Garmin recommends you take your watch to a jeweler or other professional to adjust the length of the metal bracelet.

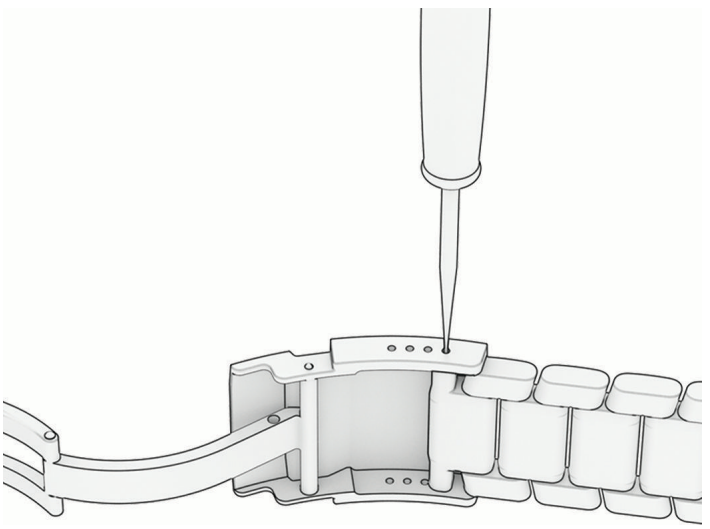
- Use a small screwdriver to unscrew the links.



- Remove an equal number of links from both sides of the clasp.

  This helps your watch stay centered on your wrist.
- Use a pin removal tool to reposition the spring bar in the clasp for finer size adjustment.

  Use caution when making size adjustments to the clasp. The pin is compressed, and can move unexpectedly when released.



Device Care

NOTICE

Do not use a sharp object to clean the device.

Never use a hard or sharp object to operate the touchscreen, or damage may result.

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

Thoroughly rinse the device with fresh water after exposure to chlorine, salt water, sunscreen, cosmetics, alcohol, or other harsh chemicals. Prolonged exposure to these substances can damage the case.

Avoid pressing the buttons under water.

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

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

Cleaning the Watch

⚠ CAUTION

Some users may experience skin irritation after prolonged use of the watch, especially if the user has sensitive skin or allergies. If you notice any skin irritation, remove the watch and give your skin time to heal. To help prevent skin irritation, ensure the watch is clean and dry, and do not overtighten the watch on your wrist.

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.

TIP: For more information, go to garmin.com/fitandcare.

1. Rinse with water, or use a damp lint-free cloth.
2. Allow the watch to dry completely.

Data Management

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: Mac® operating systems provide limited support for MTP file transfer mode. You must open the Garmin drive on a Windows operating system. You should use the Garmin Express application to remove music files from your device.

Troubleshooting

Product Updates

Your device automatically checks for updates when connected to Bluetooth or Wi-Fi. You can manually check for updates from the system settings (*System Settings*, page 137). On your computer, install Garmin Express (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
- Course updates
- Data uploads to Garmin Connect
- Product registration

Contacting Garmin Aviation Product Support

- Go to aviationsupport.garmin.com for in-country support information.

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.
- Go to www.garmin.com/ataccuracy for information about feature accuracy.

  This is not a medical device.

My device is in the wrong language

You can change the device language selection if you have accidently selected the wrong language on the device.

1. Hold **MENU**.
2. Scroll down to the last item in the list, and press **START**.
3. Press **START**.
4. Select your language.

Is my phone compatible with my watch?

The MARQ Aviator watch is compatible with phones using Bluetooth technology.

Go to garmin.com/ble for Bluetooth compatibility information.

My phone will not connect to the watch

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

- Turn off your phone and your watch, and turn them back on again.
- Enable Bluetooth technology on your phone.
- Update the Garmin Connect app to the latest version.
- Remove your watch 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 watch from the Garmin Connect app on the phone you intend to stop using.
- Bring your phone within 10 m (33 ft.) of the watch.
- On your phone, open the Garmin Connect app, and select ••• > **Garmin Devices** > **Add Device** to enter pairing mode.
- From the watch face, hold **MENU**, and select **Connectivity** > **Phone** > **Pair Phone**.

Can I use my Bluetooth sensor with my watch?

The watch is compatible with some Bluetooth sensors. The first time you connect a sensor to your Garmin watch, you must pair the watch and sensor. After they are paired, the watch connects to the sensor automatically when you start an activity and the sensor is active and within range.

1. Hold **MENU**.
2. Select **Sensors & Accessories** > **Add New**.
3. Select an option:
   - Select **Search All Sensors**.
   - Select your sensor type.

   You can customize the optional data fields (*Customizing the Data Screens*, page 48).

My headphones will not connect to the watch

If your Bluetooth headphones were previously connected to your phone, they may connect to your phone automatically instead of connecting to your watch. You can try these tips.

- Turn off Bluetooth technology on your phone.

  Refer to the owner's manual for your phone for more information.
- Stay 10 m (33 ft.) away from your phone while connecting your headphones to your watch.
- Pair your headphones with your watch (*Connecting Bluetooth Headphones*, page 111).

My music cuts out or my headphones won't stay connected

When using a MARQ Aviator watch connected to Bluetooth headphones, the signal is strongest when there is a direct line of sight between the watch and the antenna on the headphones.

- If the signal passes through your body, you may experience signal loss or your headphones may become disconnected.
- If you wear your MARQ Aviator watch on your left wrist, you should make sure the headphone's Bluetooth antenna is on your left ear.
- Since headphones vary by model, you can try wearing the watch on your other wrist.
- If you are using metal or leather watch bands, you can switch to silicone watch bands to improve signal strength.

Restarting Your Watch

1. Hold **LIGHT** until the watch turns off.
2. Hold **LIGHT** to turn on the watch.

Resetting All Default Settings

Before you reset all default settings, you should sync the watch with the Garmin Connect app to upload your activity data.

You can reset all of the watch settings to the factory default values.

1. Hold **MENU**.
2. Select **System** > **Reset**.
3. Select an option:
   - To reset all of the watch settings to the factory default values and save all user-entered information and activity history, select **Reset Default Settings**.
   - To delete all activities from the history, select **Delete All Activities**.
   - To reset all distance and time totals, select **Reset Totals**.
   - To reset all of the watch settings to the factory default values and delete all user-entered information and activity history, select **Delete Data and Reset Settings**.

     NOTE: If you have set up a Garmin Pay wallet, this option deletes the wallet from your watch. If you have music stored on your watch, this option deletes your stored music.

Tips for Maximizing the Battery Life

To extend the life of the battery, you can try these tips.

- Change the power mode during an activity (*Changing the Power Mode*, page 136).
- Turn on the battery saver feature from the controls menu (*Controls*, page 87).
- Reduce the screen timeout (*Changing the Screen Settings*, page 138).
- Stop using the **Always On Display** screen timeout option, and select a shorter timeout (*Changing the Screen Settings*, page 138).
- Reduce the screen brightness (*Changing the Screen Settings*, page 138).
- Use UltraTrac satellite mode for your activity (*Satellite Settings*, page 54).
- Turn off Bluetooth technology when you are not using connected features (*Controls*, page 87).
- When pausing your activity for a longer period of time, use the **Resume Later** option (*Stopping an Activity*, page 20).
- Use a watch face that is not updated every second.

  For example, use a watch face without a second hand (*Customizing the Watch Face*, page 66).
- Limit the phone notifications the watch displays (*Managing Notifications*, page 113).
- Stop broadcasting heart rate data to paired devices (*Broadcasting Heart Rate Data*, page 94).
- Turn off wrist-based heart rate monitoring (*Wrist Heart Rate Monitor Settings*, page 93).

  NOTE: Wrist-based heart rate monitoring is used to calculate vigorous intensity minutes and calories burned.
- Turn on manual pulse oximeter readings (*Setting the Pulse Oximeter Mode*, page 95).

How can I undo a lap button press?

During an activity, you might accidently press the lap button. In most cases, ↶ appears on the screen next to a button, and you will have a few seconds to press the button and discard the most recent lap or sport change. The lap undo feature is available for activities that support manual laps, manual sport changes, and automatic sport changes. The lap undo feature is not available for activities that trigger automatic laps, runs, rests, or pauses, such as gym activities, pool swimming, and workouts.

Acquiring Satellite Signals

The device may need a clear view of the sky to acquire satellite signals. The time and date are set automatically based on the GPS position.

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

1 Go outdoors to an open area.

The front of the device should be oriented toward the sky.

2 Wait while the device locates satellites.

It may take 30–60 seconds to locate satellite signals.

Improving GPS Satellite Reception

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

  While connected to your Garmin account, the watch downloads several days of satellite data, allowing it to quickly locate satellite signals.
- Take your watch outside to an open area away from tall buildings and trees.
- Remain stationary for a few minutes.

The heart rate on my watch is not accurate

For more information on your heart rate sensor, go to garmin.com/heartrate.

The activity temperature reading is not accurate

Your body temperature affects the temperature reading for the internal temperature sensor. To get the most accurate temperature reading, you should remove the watch from your wrist and wait 20 to 30 minutes.

You can also use an optional tempe external temperature sensor to view accurate ambient temperature readings while wearing the watch.

Exiting Demo Mode

Demo mode shows a preview of features on your watch.

1 Quickly press **LIGHT** eight times.

2 Select ✔.

Activity Tracking

For more information about activity tracking accuracy, go to garmin.com/ataccuracy.

My step count does not seem accurate

If your step count does not seem accurate, you can try these tips.

- Wear the watch on your non-dominant wrist.
- Carry the watch in your pocket when pushing a stroller or lawn mower.
- Carry the watch in your pocket when actively using your hands or arms only.

  NOTE: The watch may interpret some repetitive motions, such as washing dishes, folding laundry, or clapping your hands, as steps.

The step counts on my watch and my Garmin Connect account don't match

The step count on your Garmin Connect account updates when you sync your watch.

1 Select an option:
   - Sync your step count with the Garmin Express application (*Using Garmin Connect on Your Computer*, page 116).
   - Sync your step count with the Garmin Connect app (*Using the Garmin Connect App*, page 116).
2 Wait while your data syncs.

   Syncing can take several minutes.

   NOTE: Refreshing the Garmin Connect app or the Garmin Express application does not sync your data or update your step count.

The floors climbed amount does not seem accurate

Your watch uses an internal barometer to measure elevation changes as you climb floors. A floor climbed is equal to 3 m (10 ft.).

- Avoid holding handrails or skipping steps while climbing stairs.
- In windy environments, cover the watch with your sleeve or jacket as strong gusts can cause erratic readings.

Appendix

Data Fields

NOTE: Not all data fields are available for all activity types. Some data fields require ANT+ or Bluetooth accessories to display data. Some data fields appear in more than one category on the watch.

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

Cadence Fields

Name	Description
Average Cadence	Cycling. The average cadence for the current activity.
Average Cadence	Running. The average cadence for the current activity.
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	Running. The steps per minute (right and left).
Lap Cadence	Cycling. The average cadence for the current lap.
Lap Cadence	Running. The average cadence for the current lap.
Last Lap Cadence	Cycling. The average cadence for the last completed lap.
Last Lap Cadence	Running. The average cadence for the last completed lap.

Charts

Name	Description
Barometer Chart	A chart showing the barometric pressure over time.
Elevation Chart	A chart showing the elevation over time.
Heart Rate Chart	A chart showing your heart rate throughout the activity.
Pace Chart	A chart showing your pace throughout the activity.
Power Chart	A chart showing your power throughout the activity.
Speed Chart	A chart showing your speed throughout the activity.

Compass Fields

Name	Description
Compass Heading	The direction you are moving based on the compass.
GPS Heading	The direction you are moving based on GPS.
Heading	The direction you are moving.

Distance Fields

Name	Description
Distance	The distance traveled for the current track or activity.
Interval Distance	The distance traveled for the current interval.
Lap Distance	The distance traveled for the current lap.
Last Lap Distance	The distance traveled for the last completed lap.

Elevation Fields

Name	Description
Average Ascent	The average vertical distance of ascent since the last reset.
Average Descent	The average vertical distance of descent since the last reset.
Elevation	The altitude of your current location above or below sea level.
Glide Ratio	The ratio of horizontal distance traveled to the change in vertical distance.
GPS Elevation	The altitude of your current location using GPS.
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%.
Lap Ascent	The vertical distance of ascent for the current lap.
Lap Descent	The vertical distance of descent for the current lap.
Last Lap Ascent	The vertical distance of ascent for the last completed lap.
Last Lap Descent	The vertical distance of descent for the last completed lap.
Maximum Ascent	The maximum rate of ascent in feet per minute or meters per minute since the last reset.
Maximum Descent	The maximum rate of descent in meters per minute or feet per minute since the last reset.
Maximum Elevation	The highest elevation reached since the last reset.
Minimum Elevation	The lowest elevation reached since the last reset.
Total Ascent	The total elevation distance ascended since the last reset.
Total Descent	The total elevation distance descended since the last reset.

Floors Fields

Name	Description
Floors Climbed	The total number of floors climbed up for the day.
Floors Descended	The total number of floors climbed down for the day.
Floors per Minute	The number of floors climbed up per minute.

Gears

Name	Description
Di2 Battery	The remaining battery power of a Di2 sensor.
eBike Battery	The remaining battery power of an ebike.
eBike Range	The estimated remaining distance the ebike can provide assistance.
Front	The front bike gear from a gear position sensor.
Gear Battery	The battery status of a gear position sensor.
Gear Combo	The current gear combination from a gear position sensor.
Gears	The front and rear bike gears from a gear position sensor.
Gear Ratio	The number of teeth on the front and rear bike gears, as detected by a gear position sensor.
Rear	The rear bike gear from a gear position sensor.

Graphical

Name	Description
Cadence Gauge	Running. A color gauge showing your current cadence range.
Compass Gauge	The direction you are moving based on the compass.
GCT Balance Gauge	A color gauge showing the left/right balance of ground contact time while running.
Ground Contact Time Gauge	A color gauge showing the amount of time in each step that you spend on the ground while running, measured in milliseconds.
Heart Rate Gauge	A color gauge showing your current heart rate zone.
Heart Rate Zones Ratio	A color gauge showing the ratio of time spent in each heart rate zone.
PacePro Gauge	Running. Your current split pace and your target split pace.
Power Gauge	A color gauge showing your current power zone.
Stamina Gauge (Dist.)	A gauge showing your current stamina distance remaining.
Stamina Gauge (Time)	A gauge showing your current stamina time remaining.
Total Ascent/Descent Gauge	The total elevation distances ascended and descended during the activity or since the last reset.
Training Effect Gauge	The impact of the current activity on your aerobic and anaerobic fitness levels.
Vertical Oscillation Gauge	A color gauge showing the amount of bounce while you are running.
Vertical Ratio Gauge	A color gauge showing the ratio of vertical oscillation to stride length.

Heart Rate Fields

Name	Description
% Heart Rate Reserve	The percentage of heart rate reserve (maximum heart rate minus resting heart rate).
Aerobic Training Effect	The impact of the current activity on your aerobic fitness level.
Anaerobic Training Effect	The impact of the current activity on your anaerobic fitness level.
Average % Heart Rate Reserve	The average percentage of heart rate reserve (maximum heart rate minus resting heart rate) for the current activity.
Average Heart Rate	The average heart rate for the current activity.
Average Heart Rate %Max.	The average percentage of maximum heart rate for the current activity.
Heart Rate	Your heart rate in beats per minute (bpm). Your device must have wrist-based heart rate or be connected to a compatible heart rate monitor.
Heart Rate %Max.	The percentage of maximum heart rate.
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).
Interval Average %HRR	The average percentage of heart rate reserve (maximum heart rate minus resting heart rate) for the current swim interval.
Interval Average %Max.	The average percentage of maximum heart rate for the current swim interval.
Interval Average Heart Rate	The average heart rate for the current swim interval.
Interval Maximum %HRR	The maximum percentage of heart rate reserve (maximum heart rate minus resting heart rate) for the current swim interval.
Interval Maximum %Max.	The maximum percentage of maximum heart rate for the current swim interval.
Interval Maximum Heart Rate	The maximum heart rate for the current swim interval.
Lap % Heart Rate Reserve	The average percentage of heart rate reserve (maximum heart rate minus resting heart rate) for the current lap.
Lap Heart Rate	The average heart rate for the current lap.
Lap Heart Rate %Max.	The average percentage of maximum heart rate for the current lap.
Last Lap %HRR	The average percentage of heart rate reserve (maximum heart rate minus resting heart rate) for the last completed lap.
Last Lap Heart Rate	The average heart rate for the last completed lap.
Last Lap Heart Rate %Max.	The average percentage of maximum heart rate for the last completed lap.
Time in Zone	The time elapsed in each heart rate zone.

Lengths Fields

Name	Description
Interval Lengths	The number of pool lengths completed during the current interval.
Lengths	The number of pool lengths completed during the current activity.

Muscle Oxygen Fields

Name	Description
Muscle O2 Saturation %	The estimated muscle oxygen saturation percentage for the current activity.
Total Hemoglobin	The estimated total hemoglobin concentration in the muscle.

Navigation Fields

Name	Description
Bearing	The direction from your current location to a destination. You must be navigating for this data to appear.
Course	The direction from your starting location to a destination. Course can be viewed as a planned or set route. You must be navigating for this data to appear.
Destination Location	The position of your final destination.
Destination Waypoint	The last point on the route to the destination. You must be navigating for this data to appear.
Distance Remaining	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.
Estimated Total Distance	The estimated distance from the start to the final destination. You must be navigating for this data to appear.
ETA	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.
ETE	The estimated time remaining until you reach the final destination. You must be navigating for this data to appear.
Glide Ratio to Destination	The glide ratio required to descend from your current position to the destination elevation. You must be navigating for this data to appear.
Lat/Lon	The current position in latitude and longitude regardless of the selected position format setting.
Location	The current position using the selected position format setting.
Next Fork	The distance to the next fork on a trail.
Next Waypoint	The next point on the route. You must be navigating for this data to appear.
Off Course	The distance to the left or right by which you have strayed from the original path of travel. 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.
Velocity Made Good	The speed at which you are closing on a destination along a route. You must be navigating for this data to appear.

Name	Description
Vertical Dist. to Dest.	The elevation distance between your current position and the final destination. You must be navigating for this data to appear.
Vertical Speed to Target	The rate of ascent or descent to a predetermined altitude. You must be navigating for this data to appear.

Other Fields

Name	Description
Active Calories	The calories burned during the activity.
Ambient Pressure	The uncalibrated environmental pressure.
Barometric Pressure	The current calibrated environmental pressure.
Battery Hours	The number of hours remaining before the battery power is depleted.
Battery Percentage	The percentage of the battery power remaining.
COG	The actual direction of travel, regardless of the course steered and temporary variations in heading.
Distance to Start Line	The remaining distance to the race starting line. You must be navigating for this data to appear.
Flow	The measurement of how consistently you maintain speed and smoothness through turns in the current activity.
GPS	The strength of the GPS satellite signal.
Grit	The measurement of difficulty for the current activity based on elevation, gradient, and rapid changes in direction.
Lap Flow	The overall flow score for the current lap.
Lap Grit	The overall grit score for the current lap.
Laps	The number of laps completed for the current activity.
Last Round Reps	The number of repetitions in the last round of the activity.
Lift	The amount of lift time during a sailing activity.
Load	The training load for the current activity. Training load is the amount of excess post-exercise oxygen consumption (EPOC), which indicates the strenuousness of your workout.
Performance Condition	The performance condition score is a real-time assessment of your ability to perform.
Reps	During a gym activity, the number of repetitions in a workout set.
Respiration Rate	Your respiration rate in breaths per minute (brpm).
Rounds	The number of exercise groups performed in an activity, such as jump rope.
Runs	The number of runs for the activity.
Steps	The number of steps taken during the current activity.
Stress	Your current stress level.

Name	Description
Sunrise	The time of sunrise based on your GPS position.
Sunset	The time of sunset based on your GPS position.
Tack Assist	A gauge to help you determine if your boat is being lifted or headed.
Time of Day	The time of day based on your current location and time settings (format, time zone, daylight saving time).
Time of Day (Seconds)	The time of day including seconds.
Total Calories	The amount of total calories burned for the day.

Pace Fields

Name	Description
500m Pace	The current rowing pace per 500 meters.
Average 500m Pace	The average rowing pace per 500 meters for the current activity.
Average Pace	The average pace for the current activity.
Grade Adjusted Pace	The average pace adjusted by the steepness of the terrain.
Interval Pace	The average pace for the current interval.
Lap 500m Pace	The average rowing pace per 500 meters for the current lap.
Lap Pace	The average pace for the current lap.
Last Lap 500m Pace	The average rowing pace per 500 meters for the last lap.
Last Lap Pace	The average pace for the last completed lap.
Last Length Pace	The average pace for your last completed pool length.
Pace	The current pace.

PacePro Fields

Name	Description
Next Split Distance	Running. The total distance of the next split.
Next Split Target Pace	Running. The target pace for the next split.
Split Distance	Running. The total distance of the current split.
Split Distance Remaining	Running. The remaining distance of the current split.
Split Pace	Running. The pace for the current split.
Split Target Pace	Running. The target pace for the current split.

Power Fields

Name	Description
% Functional Threshold Power	The current power output as a percentage of functional threshold power.
3s Balance	The 3-second moving average of the left/right power balance.
3s Power	The 3-second moving average of power output.
10s Balance	The 10-second moving average of the left/right power balance.
10s Power	The 10-second moving average of power output.
30s Balance	The 30-second moving average of the left/right power balance.
30s Power	The 30-second moving average of power output.
Average Balance	The average left/right power balance for the current activity.
Average Left Power Phase	The average power phase angle for the left leg for the current activity.
Average Power	The average power output for the current activity.
Average Right Power Phase	The average power phase angle for the right leg for the current activity.
Avg. Left Peak Power Phase	The average power phase peak angle for the left leg for the current activity.
Avg. Platform Center Offset	The average platform center offset for the current activity.
Avg. Right Peak Power Phase	The average power phase peak angle for the right leg for the current activity.
Balance	The current left/right power balance.
Intensity Factor	The Intensity Factor™ for the current activity.
Lap Balance	The average left/right power balance for the current lap.
Lap Left Peak Power Phase	The average power phase peak angle for the left leg for the current lap.
Lap Left Power Phase	The average power phase angle for the left leg for the current lap.
Lap Normalized Power	The average Normalized Power™ for the current lap.
Lap Platform Center Offset	The average platform center offset for the current lap.
Lap Power	The average power output for the current lap.
Lap Right Peak Power Phase	The average power phase peak angle for the right leg for the current lap.
Lap Right Power Phase	The average power phase angle for the right leg for the current lap.
Last Lap Max. Power	The top power output for the last completed lap.
Last Lap Normalized Power	The average Normalized Power for the last completed lap.
Last Lap Power	The average power output for the last completed lap.
Left Peak Power Phase	The current power phase peak angle for the left leg. Power phase peak is the angle range over which the rider produces the peak portion of the driving force.
Left Power Phase	The current power phase angle for the left leg. Power phase is the pedal stroke region where positive power is produced.

Name	Description
Maximum Lap Power	The top power output for the current lap.
Maximum Power	The top power output for the current activity.
Normalized Power	The Normalized Power for the current activity.
Pedal Smoothness	The measurement of how evenly a rider is applying force to the pedals throughout each pedal stroke.
Platform Center Offset	The platform center offset. Platform center offset is the location on the pedal platform where force is applied.
Power	The current power output in watts. For skiing activities, your device must be connected to a compatible heart rate monitor.
Power to Weight	The current power measured in watts per kilogram.
Power Zone	The current range of power output based on your FTP or custom settings.
Right Peak Power Phase	The current power phase peak angle for the right leg. Power phase peak is the angle range over which the rider produces the peak portion of the driving force.
Right Power Phase	The current power phase angle for the right leg. Power phase is the pedal stroke region where positive power is produced.
Time in Zone	The time elapsed in each power zone.
Time Seated	The time spent seated while pedaling for the current activity.
Time Seated Lap	The time spent seated while pedaling for the current lap.
Time Standing	The time spent standing while pedaling for the current activity.
Time Standing Lap	The time spent standing while pedaling for the current lap.
Training Stress Score	The Training Stress Score™ for the current activity.
Torque Efficiency	The measurement of how efficiently a rider is pedaling.
Work	The accumulated work performed (power output) in kilojoules.

Rest Fields

Name	Description
Repeat On	The timer for the last interval plus the current rest (pool swimming).
Rest Timer	The timer for the current rest (pool swimming).

Run Dynamics

Name	Description
Average GCT Balance	The average ground contact time balance for the current session.
Average Ground Contact Time	The average amount of ground contact time for the current activity.
Average Stride Length	The average stride length for the current session.
Average Vertical Oscillation	The average amount of vertical oscillation for the current activity.
Average Vertical Ratio	The average ratio of vertical oscillation to stride length for the current session.
GCT Balance	The left/right balance of ground contact time while running.
Ground Contact Time	The amount of time in each step that you spend on the ground while running, measured in milliseconds. Ground contact time is not calculated while walking.
Lap GCT Balance	The average ground contact time balance for the current lap.
Lap Ground Contact Time	The average amount of ground contact time for the current lap.
Lap Stride Length	The average stride length for the current lap.
Lap Vertical Oscillation	The average amount of vertical oscillation for the current lap.
Lap Vertical Ratio	The average ratio of vertical oscillation to stride length for the current lap.
Stride Length	The length of your stride from one footfall to the next, measured in meters.
Vertical Oscillation	The amount of bounce while you are running. The vertical motion of your torso, measured in centimeters for each step.
Vertical Ratio	The ratio of vertical oscillation to stride length.

Speed Fields

Name	Description
Average Moving Speed	The average speed when moving for the current activity.
Average Overall Speed	The average speed for the current activity, including both moving and stopped speeds.
Average Speed	The average speed for the current activity.
Avg. SOG	The average speed of travel for the current activity, regardless of the course steered and temporary variations in heading.
Lap SOG	The average speed of travel for the current lap, regardless of the course steered and temporary variations in heading.
Lap Speed	The average speed for the current lap.
Last Lap SOG	The average speed of travel for the last completed lap, regardless of the course steered and temporary variations in heading.
Last Lap Speed	The average speed for the last completed lap.
Maximum SOG	The maximum speed of travel for the current activity, regardless of the course steered and temporary variations in heading.
Maximum Speed	The top speed for the current activity.
Speed	The current rate of travel.
Speed Over Ground	The actual speed of travel, regardless of the course steered and temporary variations in heading.
Vertical Speed	The rate of ascent or descent over time.

Stamina Fields

Name	Description
Stamina	The current remaining stamina.
Distance Remaining	The current stamina distance remaining at the current effort.
Stamina Potential	The remaining potential stamina.
Time Remaining	The current stamina time remaining at the current effort.

Stroke Fields

Name	Description
Average Distance Per Stroke	Swimming. The average distance traveled per stroke during the current activity.
Average Distance Per Stroke	Paddle sports. The average distance traveled per stroke during the current activity.
Average Stroke Rate	Paddle sports. The average number of strokes per minute (spm) during the current activity.
Average Strokes Per Length	The average number of strokes per pool length during the current activity.
Distance Per Stroke	Paddle sports. The distance traveled per stroke.
Interval Stroke Rate	The average number of strokes per minute (spm) during the current interval.
Interval Strokes Per Length	The average number of strokes per pool length during the current interval.
Interval Stroke Type	The current stroke type for the interval.
Lap Distance Per Stroke	Swimming. The average distance traveled per stroke during the current lap.
Lap Distance Per Stroke	Paddle sports. The average distance traveled per stroke during the current lap.
Lap Stroke Rate	Swimming. The average number of strokes per minute (spm) during the current lap.
Lap Stroke Rate	Paddle sports. The average number of strokes per minute (spm) during the current lap.
Lap Strokes	Swimming. The total number of strokes for the current lap.
Lap Strokes	Paddle sports. The total number of strokes for the current lap.
Last Lap Distance Per Stroke	Swimming. The average distance traveled per stroke during the last completed lap.
Last Lap Distance Per Stroke	Paddle sports. The average distance traveled per stroke during the last completed lap.
Last Lap Stroke Rate	Swimming. The average number of strokes per minute (spm) during the last completed lap.
Last Lap Stroke Rate	Paddle sports. The average number of strokes per minute (spm) during the last completed lap.
Last Lap Strokes	Swimming. The total number of strokes for the last completed lap.
Last Lap Strokes	Paddle sports. The total number of strokes for the last completed lap.
Last Length Stroke Rate	The average number strokes per minute (spm) during the last completed pool length.
Last Length Strokes	The total number of strokes for the last completed pool length.
Last Length Stroke Type	The stroke type used during the last completed pool length.
Stroke Rate	Swimming. The number of strokes per minute (spm).
Stroke Rate	Paddle sports. The number of strokes per minute (spm).
Strokes	Swimming. The total number of strokes for the current activity.

Name	Description
Strokes	Paddle sports. The total number of strokes for the current activity.

Swolf Fields

Name	Description
Average Swolf	The average swolf score for the current activity. Your swolf score is the sum of the time for one length plus the number of strokes for that length (*Swim Terminology*, page 22). In open water swimming, 25 meters is used to calculate your swolf score.
Interval Swolf	The average swolf score for the current interval.
Lap Swolf	The swolf score for the current lap.
Last Lap Swolf	The swolf score for the last completed lap.
Last Length Swolf	The swolf score for the last completed pool length.

Temperature Fields

Name	Description
24-Hour Maximum	The maximum temperature recorded in the last 24 hours from a compatible temperature sensor.
24-Hour Minimum	The minimum temperature recorded in the last 24 hours from a compatible temperature sensor.
Temperature	The temperature of the air. Your body temperature affects the temperature sensor. You can pair a tempe sensor with your device to provide a consistent source of accurate temperature data.

Timer Fields

Name	Description
Active Time	The total time of active movement for the current activity.
Average Lap Time	The average lap time for the current activity.
Elapsed Time	The total time recorded. For example, if you start the activity timer and run for 10 minutes, then stop the timer for 5 minutes, then start the timer and run for 20 minutes, your elapsed time is 35 minutes.
Interval Time	The stopwatch time for the current interval.
Lap Time	The stopwatch time for the current lap.
Last Lap Time	The stopwatch time for the last completed lap.
Moving Time	The total time moving for the current activity.
Multisport Time	The total time for all sports in a multisport activity, including transitions.
Overall Ahead/Behind	The overall time ahead or behind of the target pace or speed.
Race Timer	The time elapsed in the current sail race.
Set Timer	During a strength training activity, the amount of time spent in the current workout set.
Stopped Time	The total time stopped for the current activity.
Swim Time	The swimming time for the current activity, not including rest time.
Timer	The current time of the activity timer.

Workout Fields

Name	Description
Repetition	The number of repetitions remaining for the workout.
Step Distance	The current distance traveled during the workout step.
Step Pace	The current pace during the workout step.
Step Speed	The current speed during the workout step.
Step Time	The time elapsed for the workout step.

Color Gauges and Running Dynamics Data

The running dynamics screens display a color gauge for the primary metric. You can display cadence, vertical oscillation, ground contact time, ground contact time balance, or vertical ratio as the primary metric. The color gauge shows you how your running dynamics data compare to those of other runners. The color zones are based on percentiles.

Garmin has researched many runners of all different levels. The data values in the red or orange zones are typical for less experienced or slower runners. The data values in the green, blue, or purple zones are typical for more experienced or faster runners. More experienced runners tend to exhibit shorter ground contact times, lower vertical oscillation, lower vertical ratio, and higher cadence than less experienced runners. However, taller runners typically have slightly slower cadences, longer strides, and slightly higher vertical oscillation. Vertical ratio is your vertical oscillation divided by stride length. It is not correlated with height.

Go to garmin.com/runningdynamics for more information on running dynamics. For additional theories and interpretations of running dynamics data, you can search reputable running publications and websites.

Color Zone	Percentile in Zone	Cadence Range	Ground Contact Time Range
Purple	>95	>183 spm	<218 ms
Blue	70–95	174–183 spm	218–248 ms
Green	30–69	164–173 spm	249–277 ms
Orange	5–29	153–163 spm	278–308 ms
Red	<5	<153 spm	>308 ms

Ground Contact Time Balance Data

Ground contact time balance measures your running symmetry and appears as a percentage of your total ground contact time. For example, 51.3% with an arrow pointing left indicates the runner is spending more time on the ground when on the left foot. If your data screen displays both numbers, for example 48–52, 48% is the left foot and 52% is the right foot.

Color Zone	Red	Orange	Green	Orange	Red
Symmetry	Poor	Fair	Good	Fair	Poor
Percent of Other Runners	5%	25%	40%	25%	5%
Ground Contact Time Balance	>52.2% L	50.8–52.2% L	50.7% L–50.7% R	50.8–52.2% R	>52.2% R

While developing and testing running dynamics, the Garmin team found correlations between injuries and greater imbalances with certain runners. For many runners, ground contact time balance tends to deviate further from 50–50 when running up or down hills. Most running coaches agree that a symmetrical running form is good. Elite runners tend to have quick and balanced strides.

You can watch the gauge or data field during your run or view the summary on your Garmin Connect account after your run. As with the other running dynamics data, ground contact time balance is a quantitative measurement to help you learn about your running form.

Vertical Oscillation and Vertical Ratio Data

The data ranges for vertical oscillation and vertical ratio are slightly different depending on the sensor and whether it is positioned at the chest (HRM-Fit or HRM-Pro series accessories) or at the waist (Running Dynamics Pod accessory).

Color Zone	Percentile in Zone	Vertical Oscillation Range at Chest	Vertical Oscillation Range at Waist	Vertical Ratio at Chest	Vertical Ratio at Waist
Purple	>95	<6.4 cm	<6.8 cm	<6.1%	<6.5%
Blue	70–95	6.4–8.1 cm	6.8–8.9 cm	6.1–7.4%	6.5–8.3%
Green	30–69	8.2–9.7 cm	9.0–10.9 cm	7.5–8.6%	8.4–10.0%
Orange	5–29	9.8–11.5 cm	11.0–13.0 cm	8.7–10.1%	10.1–11.9%
Red	<5	>11.5 cm	>13.0 cm	>10.1%	>11.9%

VO2 Max. Standard Ratings

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

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

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FTP Ratings

These tables include classifications for functional threshold power (FTP) estimates by sex.

Males	Watts per Kilogram (W/kg)
Superior	5.05 and greater
Excellent	From 3.93 to 5.04
Good	From 2.79 to 3.92
Fair	From 2.23 to 2.78
Untrained	Less than 2.23

Females	Watts per Kilogram (W/kg)
Superior	4.30 and greater
Excellent	From 3.33 to 4.29
Good	From 2.36 to 3.32
Fair	From 1.90 to 2.35
Untrained	Less than 1.90

FTP ratings are based on research by Hunter Allen and Andrew Coggan, PhD, *Training and Racing with a Power Meter* (Boulder, CO: VeloPress, 2010).

Endurance Score Ratings

These tables include classifications for endurance score estimates by age and sex.

Males	Recreational	Intermediate	Trained	Well Trained	Expert	Superior	Elite
18-20	Less than 4999	5000-5699	5700-6299	6300-6999	7000-7599	7600-8299	8300 and greater
21-39	Less than 5099	5100-5799	5800-6599	6600-7299	7300-8099	8100-8799	8800 and greater
40-44	Less than 5099	5100-5799	5800-6499	6500-7199	7200-7899	7900-8599	8600 and greater
45-49	Less than 4999	5000-5699	5700-6399	6400-6999	7000-7699	7700-8399	8400 and greater
50-54	Less than 4899	4900-5499	5500-6099	6100-6799	6800-7399	7400-7999	8000 and greater
55-59	Less than 4599	4600-5099	5100-5699	5700-6199	6200-6799	6800-7299	7300 and greater
60-64	Less than 4299	4300-4799	4800-5299	5300-5699	5700-6199	6200-6699	6700 and greater
65-69	Less than 4099	4100-4499	4500-4899	4900-5399	5400-5799	5800-6199	6200 and greater
70-74	Less than 3799	3800-4199	4200-4599	4600-4899	4900-5299	5300-5699	5700 and greater
75-80	Less than 3599	3600-3899	3900-4299	4300-4599	4600-4999	5000-5299	5300 and greater
80 and older	Less than 3299	3300-3599	3600-3999	4000-4299	4300-4699	4700-4999	5000 and greater

Females	Recreational	Intermediate	Trained	Well Trained	Expert	Superior	Elite
18-20	Less than 4599	4600-5099	5100-5499	5500-5999	6000-6399	6400-6899	6900 and greater
21-39	Less than 4699	4700-5199	5200-5699	5700-6299	6300-6799	6800-7299	7300 and greater
40-44	Less than 4699	4700-5199	5200-5699	5700-6199	6200-6699	6700-7199	7200 and greater
45-49	Less than 4599	4600-5099	5100-5599	5600-6099	6100-6599	6600-7099	7100 and greater
50-54	Less than 4499	4500-4999	5000-5399	5400-5899	5900-6299	6300-6799	6800 and greater
55-59	Less than 4299	4300-4699	4700-5099	5100-5599	5600-5099	6000-6399	6400 and greater
60-64	Less than 4099	4100-4499	4500-4899	4900-5299	5300-5699	5700-6099	6100 and greater
65-69	Less than 3799	3800-4199	4200-4599	4600-4899	4900-5299	5300-5699	5700 and greater
70-74	Less than 3699	3700-4099	4100-4399	4400-4799	4800-5099	5100-5499	5500 and greater
75-80	Less than 3499	3500-3799	3800-4199	4200-4499	4500-4899	4900-5199	5200 and greater
80 and older	Less than 3199	3200-3499	3500-3799	3800-4099	4100-4399	4400-4699	4700 and greater

These estimates are provided and supported by Firstbeat Analytics.

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. You can measure the circumference of your wheel or use one of the calculators available on the internet.