GARMIN

APPROACH® G20

Owner's Manual

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M/N: A04769

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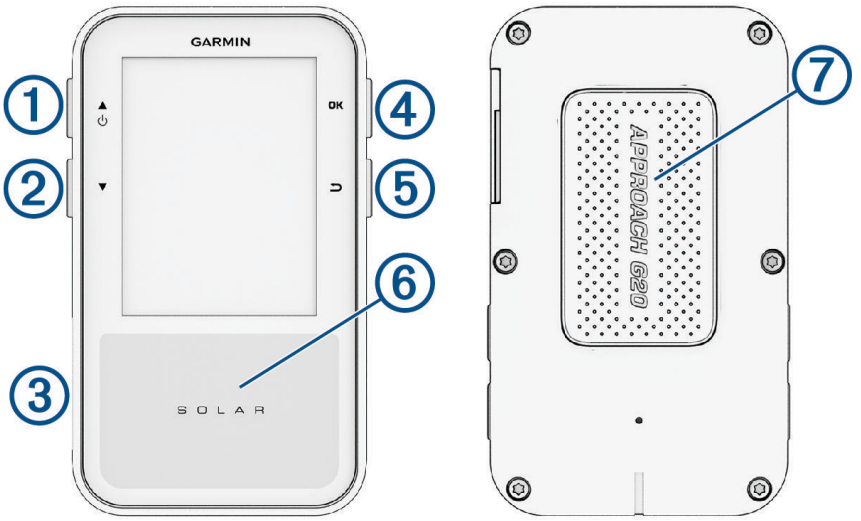
Introduction

⚠ WARNING

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

Device Overview



① ▲ ⏻: Hold to turn the device on and off.

Hold to open the power menu (*Power Menu*, page 3).

Press to scroll through menus, options, and settings.

During play, press to scroll through hazards, layups, doglegs, and more.

② ▼: Press to scroll through menus, options, and settings.

During play, press to scroll through hazards, layups, doglegs, and more.

③ **USB port (under weather cap)**: Lift the weather cap to charge the device or connect it to a computer (*Charging the Device*, page 3).

Replace the weather cap to prevent damage to the USB port (*Cleaning the USB Port*, page 13).

④ **OK**: Press to start a round of golf (*Playing Golf*, page 5).

Press to choose an option or open the menu for a page.

During play, press to access in-round features.

⑤ ⮌: Press to return to the previous screen.

⑥ **Solar charging**: Point the device toward sunlight to extend the battery life (*Solar Charging*, page 4).

⑦ **Magnet**: Place the back of the device onto the magnetic clip or a metal surface on a golf cart (*Using the Clip*, page 5).

Getting Started

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

1. Hold ⏻ to turn on the device (*Device Overview*, page 1).
2. Answer the device prompts about your preferred language and units of measure.
3. Pair your phone (*Pairing Your Phone*, page 2).

   Pairing your phone gives you access to scorecard syncing, course updates, live scoring on the Garmin Golf™ app, software updates, and more.
4. Charge the device completely so that you have enough charge for a round of golf (*Charging the Device*, page 3).

Pairing Your Phone

To use the connected features of the Approach golf device, it must be paired directly through the Garmin Golf app, instead of from the Bluetooth® settings on your phone.

1 During the initial setup on your device, select **Get Started** when you are prompted to pair with your phone.

NOTE: If you previously skipped the pairing process, you can select **Settings** > **Pair Phone**.

2 Scan the QR code with your phone.

NOTE: If you have not installed the Garmin Golf app on your phone, you are prompted to install it from the app store.

3 Open the Garmin Golf app.

4 Select **Add Device**, and follow the instructions in the app to complete the pairing process.

Main Menu

From the home screen, press ▲ or ▼ to scroll through the menu options on the device.

Play Golf: Select to start a round of golf (*Playing Golf*, page 5).

Settings: Allows you to customize the golf settings and system settings (*Golf Settings*, page 7) (*System Settings*, page 11).

Solar: Displays a graph showing the intensity of solar input and battery minutes gained (*Solar Charging*, page 4).

Sunrise/Sunset: Displays sunrise and sunset times, based on your GPS position.

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.

The device contains a magnet. Under certain circumstances, magnets may cause interference with some medical devices, including pacemakers and insulin pumps. Keep the device away from such medical devices.

NOTICE

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

The device contains a magnet. Under certain circumstances, magnets may cause damage to some electronic devices, including hard drives in laptop computers. Use caution when the device is near electronic devices.

The device is powered by a lithium-ion battery that you can charge using a standard wall outlet or a USB port on your computer. For optional accessories and replacement parts, go to buy.garmin.com, or contact your Garmin® dealer.

1. Pull up the weather cap from the USB port.
2. Plug the USB cable into the USB port on your device.

3. Plug the other end of the USB cable into an AC adapter (5V minimum output power) or a computer USB port.
4. If necessary, plug the AC adapter into a standard wall outlet
   When you connect the device to a power source, the device turns on.
5. Charge the battery completely.

After you charge the device, close the weather cap.

Power Menu

Hold ⏻ to open the power menu.

Power Off: Turns off the device.

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

Locking and Unlocking the Buttons

You can lock the buttons to prevent inadvertent button presses.

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

Solar Charging

Solar charging can help optimize and extend your battery life. Solar charging occurs whenever the device detects sunlight, even if it is turned off.

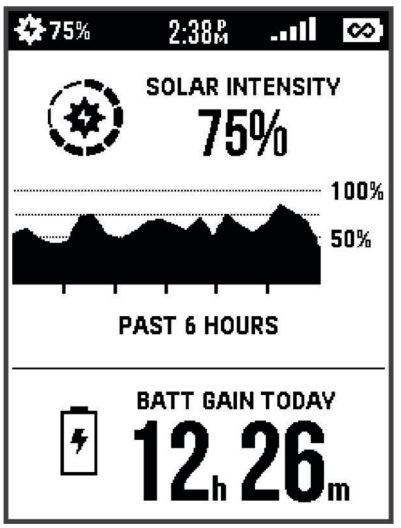
- Regular outdoor use in sunny conditions can extend your battery life.
- Point the screen toward sunlight to maximize solar gain.
- Avoid excessive heat, which can prevent charging.

  NOTE: The device protects itself from very cold and very hot environments, and stops charging automatically at extreme temperatures.

  NOTE: The device does not solar charge when connected to an external power source or when the battery is full.

Solar Charging While the Device is Turned Off

1. Place your device in a sunny location.
2. Hold ⏻ to open the power menu.
3. Select **Power Off**.



The device goes into a low power, battery charging mode, and a screen with solar charging statistics appears. The display turns off automatically when sunlight is no longer detected.

NOTE: You can enable or disable the solar charging screen in the system settings (*System Settings*, page 11).

Using the Clip

⚠ WARNING

Both the device and its clip contain magnets. Under certain circumstances, magnets may cause interference with some medical devices, including pacemakers and insulin pumps. Devices and accessories that contain magnets should be kept away from such medical devices.

NOTICE

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

You can use the magnetic clip to attach the device to your belt, pocket, or bag.

NOTE: Go to www.garmin.com/golf to purchase accessories for your device.

1 Snap the magnetic back of the device into the clip until it locks into place.

2 To remove the device, gently pull the device out of the clip.

Playing Golf

Before you can play golf, you must wait until the device acquires satellite signals, which may take 30 to 60 seconds.

1 Select **Play Golf**.

The device locates satellites, calculates your location, and selects a course if there is only one course nearby.

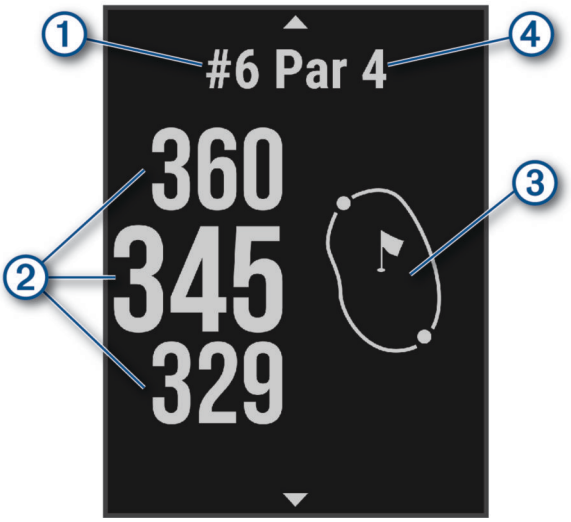
2 If the course list appears, select a course from the list.

3 Follow the on-screen instructions to complete the setup and start a round.

Hole View

The device shows the current hole you are playing, and automatically transitions when you move to a new hole.

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

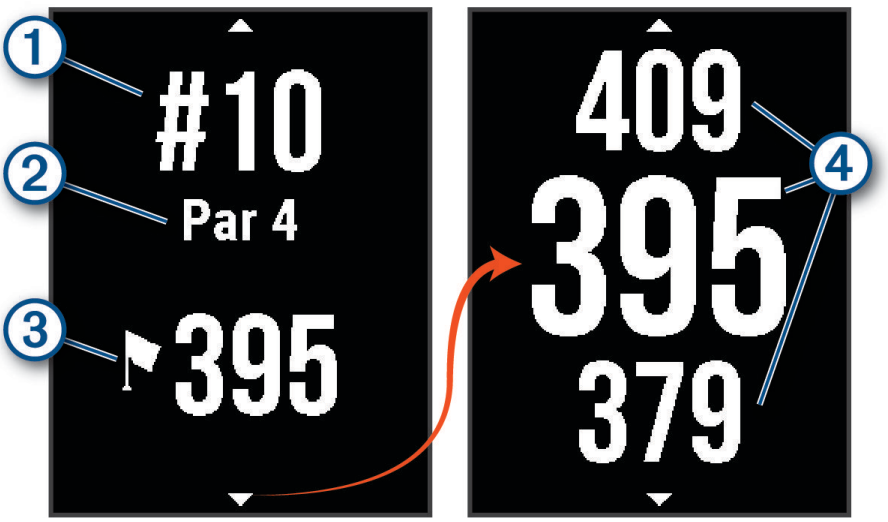


①: Current hole number.
②: Distances to the front, middle, and back of the green.
③: Approximate view of the green. You can move the flag (*Golf Menu*, page 7).
④: Par for the hole.

Hole View in Big Numbers Mode

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

Press **OK**, and select **Golf Settings** > **Big Numbers**.



①: Current hole number.
②: Par for the hole.
③: Distance to the middle of the green.

NOTE: You can press ▼ to view all distances to the green.

④: Distances to the front, middle, and back of the green.

Golf Menu

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

Change Hole: Allows you to manually change the hole (*Changing Holes*, page 8).

Change Green: Allows you to change the green when more than one green is available for a hole (*Changing the Green*, page 8).

Move Flag: Allows you to move the pin location to get a more precise distance measurement (*Viewing the Green*, page 7).

Measure Shot: Allows you to measure the distance to your ball (*Measuring a Shot*, page 8).

Scorecard: Opens the scorecard for the round (*Keeping Score*, page 9).

Wind: Opens a pointer that shows the wind direction and speed relative to the pin (*Viewing the Wind Speed and Direction*, page 10).

Solar Status: Displays a graph showing the intensity of solar input and battery minutes gained (*Solar Charging*, page 4).

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

Golf Settings: Allows you to customize golf settings and features (*Golf Settings*, page 7).

Add Back Nine: Allows you to add the back nine holes to the round of golf.

End Round: Ends the current round (*Ending a Round*, page 10).

Golf Settings

Select **Settings** > **Golf Settings** to customize golf settings and features.

Background Color: Sets the background color to black or white.

Scoring: Enables scoring (*Keeping Score*, page 9).

Stat Tracking: Enables detailed statistics tracking while playing golf (*Enabling Statistics Tracking*, page 9).

Penalties: Enables penalty stroke tracking.

Big Numbers: Changes the size of the numbers on the hole view screen (*Hole View in Big Numbers Mode*, page 6).

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 (*Viewing the Wind Speed and Direction*, page 10).

Handicap Scoring: Enables handicap scoring (*Enabling Handicap Scoring*, page 8).

Club Sensors: Allows you to set up your compatible club tracking sensors.

Pair Rangefinder: Allows you to pair the device to your compatible rangefinder.

Club Sensors

Your device is compatible with Approach golf club sensors. When paired with a full set of club sensors installed on all your golf clubs, you can automatically track your golf shots, including location, distance, and club type. See the owner's manual for your club sensors for more information (garmin.com/manuals/ApproachCT10).

Viewing the Green

While playing a round, you can take a closer look at the green and move the pin to get a more precise distance measurement.

1. Press **OK**.
2. Select **Move Flag**.
3. Press ▲ and ▼ to move the pin location.

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

Changing the Green

If you are playing a hole with more than one green, you can change the green.

1. While playing golf, press **OK**.
2. Select **Change Green**.
3. Select a green.

Measuring a Shot

1. While playing golf, press **OK**.
2. Select **Measure Shot**.
3. Walk to your ball.

   TIP: You can press ▼ to reset the measurement.

   When you are playing with Approach club sensors, you can press ▼ to view your previous shots.

Viewing Course Features

You can view distances to course features, such as hazards, layups, and doglegs, for par 4 and 5 holes.

While playing golf, press ▲ or ▼ to scroll through the features that are ahead of you on the hole.

①: For large hazards, the distances to the front and back of the hazard appear on the screen. For small hazards, layups, and doglegs, the distance to the feature appears.

②: The feature type appears on the screen.

③: The green is represented as a half circle at the top of the screen. The line below the green represents the center of the fairway.

④: Features for the current hole are shown below the green in approximate locations relative to the fairway. Hazards are identified using sequential letters according to the distance from the tee box.

Changing Holes

You can change the hole manually from the hole view screen.

1. Press **OK**.
2. Select **Change Hole**.
3. Select a hole.

Enabling Handicap Scoring

You can use the Garmin Golf app to configure each player's handicap.

Select **Settings** > **Golf Settings** > **Handicap Scoring** > **Use Garmin Golf**.

Keeping Score

When scoring is enabled, you are prompted to enter your score when you are near the green. You can adjust the score manually at any time during a game.

1. While playing golf, press **OK**.
2. Select an option:
   - If scoring is not enabled, select **Start Scoring**.
   - If scoring is enabled, select **Scorecard**.
3. If necessary, press ▲ or ▼ to select a hole, and press **OK**.
4. Press ▲ or ▼ to set the score, and press **OK**.

Enabling Statistics Tracking

When you enable statistics tracking on the device, you can view your statistics for the current round. You can compare rounds and track improvements using the Garmin Golf app.

1. Select **Settings** > **Golf Settings** > **Stat Tracking** > **On**.
2. Select **Penalties** to enable or disable penalty stroke tracking.

Recording Statistics

Before you can record statistics, you must enable statistics tracking (*Enabling Statistics Tracking*, page 9).

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

   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 or using Approach CT10 sensors, fairway information does not appear.
   - If your ball hit the fairway, select **In Fairway**.
   - If your ball missed the fairway, select **Missed Left** or **Missed Right**.
5. If necessary, enter the number of penalty strokes.

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 While playing golf, press **OK**.

2 Select **Wind**.

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

Ending a Round

1 Press **OK**.

2 Select **End Round**.

Bluetooth Connected Features

This device includes Bluetooth connected features for your compatible mobile device using the Garmin Golf app.

Scorecard uploads to Garmin Golf: Automatically sends scorecards to the Garmin Golf app when you sync your device. This allows you to view detailed statistics and participate in online leaderboards.

Software updates: Allows you to receive updates for your device software using the Garmin Golf app.

Course updates: Allows you to receive the latest course updates using the Garmin Golf app.

Turning Off the Bluetooth Phone Connection

1 Select **Settings** > **Phone**.

2 Select the **Status** toggle switch to turn off the Bluetooth phone connection on your Approach golf device.

3 Open the Bluetooth settings on your phone to disconnect the Approach golf device.

Refer to the owner's manual for your phone to turn off Bluetooth technology on your phone.

Garmin Golf App

The Garmin Golf app allows you to upload scorecards from your Approach G20 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.

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 phonegarmin.com/golfapp.

Automatic Course Updates

Your Approach golf device features automatic course updates with the Garmin Golf app. When you connect your golf device to your phone, the golf courses you use most frequently are updated automatically.

Product Updates

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

This provides easy access to these services for Garmin devices:

- Software updates
- Course updates
- Data uploads to Garmin Golf
- Product registration

Updating the Software Using Garmin Express

Before you can update your device software, you must download and install the Garmin Express application and add your device.

1. Connect the device to your computer using the USB cable.

   When new software is available, the Garmin Express application sends it to your device.
2. After the Garmin Express application finishes sending the update, disconnect the device from your computer.

   Your device installs the update.

Setting Up Garmin Express

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

Customizing Your Device

System Settings

Select **Settings** > **System** to customize the system settings.

Language: Sets the language displayed on the device.

Units: Sets the units of measure used on the device (*Changing the Units of Measure*, page 11).

Time: Adjusts the time settings (*Time Settings*, page 12).

USB Mode: Sets the device to use MTP (media transfer protocol) mode or Garmin mode when connected to a computer.

Solar Auto Wake: Displays a screen with solar charging statistics when the device is turned off and detects sunlight.

Battery Percent: Displays the remaining battery life as a percentage.

Satellites: Allows you to select the preferred source for GPS data (*Satellite Settings*, page 12).

Reset: Allows you to reset user data and settings (*Restoring All Default Settings*, page 15).

Changing the Units of Measure

You can customize the units of measure for the device.

1. Select **Settings** > **System** > **Units**.
2. Select **Speed/Distance** or **Temperature**.
3. Select a unit of measure.

Time Settings

Select **Settings** > **System** > **Time** to customize the time settings.

Time Format: Sets the device to show time in a 12-hour or a 24-hour format.

Set Time: Allows you to set the time manually or automatically based on your paired phone or GPS location.

Sync with GPS: Allows you to manually sync the time when you change time zones, or to update for daylight saving time.

Setting the Time Manually

By default, the time is set automatically when the device acquires satellite signals or is paired with your phone.

1. Select **Settings** > **System** > **Time** > **Set Time** > **Manual** > **Time**.
2. Press ▲ and ▼ to set the hour, minutes, and AM or PM.
3. Press **OK**.

Satellite Settings

You can change the satellite systems used by the device. For more information about satellite systems, go to www.garmin.com/aboutGPS.

Select **Settings** > **System** > **Satellites**.

GPS Only: Enables the GPS satellite system.

Multi-GNSS: 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.

Device Information

Specifications

Battery type	Rechargeable lithium-ion battery
Battery life	Up to 180 hr. **NOTE:** The actual battery life of a fully charged battery depends on how much time you use GPS. Exposure to extremely cold temperatures also reduces battery life. Unlimited when used outside in 75,000 lux conditions
Water rating	IEC 60529 IPX7[1]
Operating and storage temperature range	From -20º to 60ºC (from -4º to 140ºF)
USB charging temperature range	From 0º to 45ºC (from 32º to 113ºF)
EU wireless frequency/protocol	2.4 GHz @ 8.9 dBm maximum

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

Device Care

NOTICE
Do not store the device where prolonged exposure to extreme temperatures can occur, because it can cause permanent damage.
Avoid chemical cleaners, solvents, sunscreen, and insect repellents that can damage plastic components and finishes.
Secure the weather cap tightly to prevent damage to the USB port.
Avoid extreme shock and harsh treatment, because it can degrade the life of the product.

Cleaning the Device

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

After cleaning, allow the device to dry completely.

Cleaning the USB Port

1. Turn off the device and disconnect the device from power.
2. Clean the USB port using a soft, clean, lint-free cloth or cotton swab.

   NOTE: If necessary, you can lightly dampen the cloth or cotton swab with isopropyl alcohol.
3. Allow the device to dry completely before you connect it to power.

Long-Term Storage

When you do not plan to use the Approach G20 device for several months, you should charge the battery to at least 50% before you store the device. You should store the device in a cool, dry place with temperatures around the typical household level. After storage, you should fully recharge the device before using it.

Viewing Device Information

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

Select **Settings** > **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. Select **Settings**.
2. Select **About**.

Troubleshooting

My device cannot find nearby golf courses

If a course update is interrupted or canceled before it completes, your device may be missing course data. To repair missing course data, you must update the courses again.

1. Download and install course updates from the Garmin Express application (*Updating the Software Using Garmin Express*, page 11).
2. Safely disconnect your device.
3. Go outside, and start a test round of golf to verify the device finds nearby courses.

My phone will not connect to the device

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

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

My device is in the wrong language

1. From the main menu, press ▼ one time.
2. Press **OK**.
3. Press ▼ two times.
4. Press **OK** two times.
5. Select your language.

My device displays the wrong units of measure

- Verify you selected the correct units of measure setting on the device (*Changing the Units of Measure*, page 11).
- Verify you selected the correct units of measure setting on your Garmin Golf account.

  If the units of measure on the device do not match your Garmin Golf account, your device settings may be overwritten when you sync your device.

My device does not display the correct time or date

The device updates the time and date when the device acquires GPS signals or when you have paired a phone. You should start a round of golf to acquire GPS signals or sync your device with the Garmin Golf app. When the device acquires GPS signals or syncs with the Garmin Golf app, you receive the correct time when you change time zones or update for daylight saving time.

NOTE: The time does not update automatically if you have set it manually (*Time Settings*, page 12).

Restarting Your Device

1. Press and hold ⏻ until the device turns off.
2. Hold ⏻ to turn on the device.

Restoring All Default Settings

Before you reset the golf device, you should sync it with the Garmin Golf app to upload your scorecards.

You can reset all of the device settings to the factory default values.

1. Select **Settings** > **System** > **Reset**.
2. Select an option:
   - To reset all of the device settings to the factory default values and save all user-entered information and scorecards, select **Reset All Settings**.
   - To reset all of the device settings to the factory default values and delete all user-entered information and scorecards, select **Delete All**.
3. Select **Confirm**.

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

  While connected to your Garmin account, the device downloads several days of satellite data, allowing it to quickly locate satellite signals.
- Take your device outside to an open area away from tall buildings and trees.
- Remain stationary for a few minutes.

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.