

# Watch Operation Guide 3554

CASIO®

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### Operating Precautions

#### ● Water Resistance

- The information below applies to watches with WATER RESIST or WATER RESISTANT marked on the back cover.

#### Water Resistance Under Daily Use

|                                         |             |
|-----------------------------------------|-------------|
| Marking on watch front or on back cover | No BAR mark |
|-----------------------------------------|-------------|

#### Example of Daily Use

|                              |     |
|------------------------------|-----|
| Hand washing, rain           | Yes |
| Water-related work, swimming | No  |
| Windsurfing                  | No  |
| Skin diving                  | No  |

#### Enhanced Water Resistance Under Daily Use

##### 5 Atmospheres

|                                         |      |
|-----------------------------------------|------|
| Marking on watch front or on back cover | 5BAR |
|-----------------------------------------|------|

#### Example of Daily Use

|                              |     |
|------------------------------|-----|
| Hand washing, rain           | Yes |
| Water-related work, swimming | Yes |
| Windsurfing                  | No  |
| Skin diving                  | No  |

##### 10 Atmospheres

|                                         |       |
|-----------------------------------------|-------|
| Marking on watch front or on back cover | 10BAR |
|-----------------------------------------|-------|

#### Example of Daily Use

|                              |     |
|------------------------------|-----|
| Hand washing, rain           | Yes |
| Water-related work, swimming | Yes |
| Windsurfing                  | Yes |
| Skin diving                  | Yes |

##### 20 Atmospheres

|                                         |       |
|-----------------------------------------|-------|
| Marking on watch front or on back cover | 20BAR |
|-----------------------------------------|-------|

#### Example of Daily Use

|                              |     |
|------------------------------|-----|
| Hand washing, rain           | Yes |
| Water-related work, swimming | Yes |
| Windsurfing                  | Yes |
| Skin diving                  | Yes |

- Do not use your watch for scuba diving or other types of diving that requires air tanks.
- Watches that do not have WATER RESIST or WATER RESISTANT marked on the back cover are not protected against the effects of sweat. Avoid using such a watch under conditions where it will be exposed to large amounts of sweat or moisture, or to direct splashing with water.
- Even if a watch is water resistant, note the usage precautions described below. Such types of use reduce water resistance performance and can cause fogging of the glass.
  - Do not operate the crown or buttons while your watch is submersed in water or wet.
  - Avoid wearing your watch while in the bath.
  - Do not wear your watch while in a heated swimming pool, sauna, or any other high temperature/high humidity environment.
  - Do not wear your watch while washing your hands or face, while doing housework, or while performing any other task that involves soaps or detergents.
- After submersion in seawater, use plain water to rinse all salt and dirt from your watch.
- To maintain water resistance, have the gaskets of your watch replaced periodically (about once every two or three years).
- A trained technician will inspect your watch for proper water resistance whenever you have its battery replaced. Battery replacement requires the use of special tools. Always request battery replacement from your original retailer or from an authorized CASIO service center.
- Some water-resistant watches come with fashionable leather bands. Avoid swimming, washing, or any other activity that causes direct exposure of a leather band to water.

- The inside surface of the watch glass may fog when the watch is exposed to a sudden drop in temperature. No problem is indicated if the fogging clears up relatively quickly. Sudden and extreme temperature changes (such as coming into an air conditioned room in the summer and standing close to an air conditioner outlet, or leaving a heated room in the winter and allowing your watch to come into contact with snow) can cause it to take longer for glass fogging to clear up. If glass fogging does not clear up or if you notice moisture inside of the glass, immediately stop using your watch and take it to your original retailer or to an authorized CASIO service center.
- Your water-resistant watch has been tested in accordance with International Organization for Standardization regulations.

#### ● Band

- Tightening the band too tightly can cause you to sweat and make it difficult for air to pass under the band, which can lead to skin irritation. Do not fasten the band too tightly. There should be enough room between the band and your wrist so you can insert your finger.
- Deterioration, rust, and other conditions can cause the band to break or come off of your watch, which in turn can cause band pins to fly out of position or to fall out. This creates the risk of your watch falling from your wrist and becoming lost, and also creates the risk of personal injury. Always take good care of your band and keep it clean.
- Immediately stop using a band if you even notice any of the following: loss of band flexibility, band cracks, band discoloration, band looseness, band connecting pin flying or falling out, or any other abnormality. Take your watch to your original retailer or to a CASIO service center for inspection and repair (for which you will be charged) or to have the band replaced (for which you will be charged).

## ● Temperature

- Never leave your watch on the dashboard of a car, near a heater, or in any other location that is subject to very high temperatures. Do not leave your watch where it will be exposed to very low temperatures. Temperature extremes can cause your watch to lose or gain time, to stop, or otherwise malfunction.
- Leaving your watch in an area hotter than +60 °C (140 °F) for long periods can lead to problems with its LCD. The LCD may become difficult to read at temperatures lower than 0 °C (32 °F) and greater than +40 °C (104 °F).

## ● Impact

- Your watch is designed to withstand impact incurred during normal daily use and during light activity such as playing catch, tennis, etc. Dropping your watch or otherwise subjecting it to strong impact, however, can lead to malfunction. Note that watches with shock-resistant designs (G-SHOCK, BABY-G, G-MS) can be worn while operating a chain saw or engaging in other activities that generate strong vibration, or while engaging in strenuous sports activities (motocross, etc.)

## ● Magnetism

- Though operation of your watch normally is not affected by magnetism, its accuracy may be affected if the watch itself becomes magnetized. Also, very strong magnetism (from medical equipment, etc.) should be avoided because it can cause malfunction of your watch and damage to electronic components.

## ● Electrostatic Charge

- Exposure to very strong electrostatic charge can cause your watch to display the wrong time. Very strong electrostatic charge even can damage electronic components.
- Electrostatic charge may cause temporary blotching in blank areas of the LCD.

## ● Chemicals

- Do not allow your watch to come into contact with thinner, gasoline, solvents, oils, or fats, or with any cleaners, adhesives, paints, medicines, or cosmetics that contain such ingredients. Doing so can cause discoloration or damage to the resin case, resin band, leather, and other parts.

## ● Storage

- If you do not plan to use your watch for a long time, thoroughly wipe it free of all dirt, sweat, and moisture, and store it in a cool, dry place.

## ● Resin Components

- Allowing your watch to remain in contact with other items or storing it together with other items for long periods while it is wet can cause color on resin components to transfer to the other items, or the color of the other items to transfer to the resin components of your watch. Be sure to dry off your watch thoroughly before storing it and make sure it is not in contact with other items.
- Leaving your watch where it is exposed to direct sunlight (ultraviolet rays) for long periods or failure to clean dirt from your watch for long periods can cause it to become discolored.
- Friction caused by certain conditions (strong external force, sustained rubbing, impact, etc.) can cause discoloration of painted components.
- If there are printed figures on the band, strong rubbing of the printed area can cause discoloration.
- Leaving your watch wet for long periods can cause fluorescent color to fade. Wipe the watch dry as soon as possible after it becomes wet.
- Semi-transparent resin parts can become discolored due to sweat and dirt, and if exposed to high temperatures and humidity for long periods.
- Daily use and long-term storage of your watch can lead to deterioration, breaking, or bending of resin components. The extent of such damage depends on usage conditions and storage conditions.

## ● Leather Band

- Allowing your watch to remain in contact with other items or storing it together with other items for long periods while it is wet can cause the color of the leather band to transfer to the other items or the color of the other items to transfer to the leather band. Be sure to dry off your watch thoroughly with a soft cloth before storing it and make sure it is not in contact with other items.
- Leaving a leather band where it is exposed to direct sunlight (ultraviolet rays) for long periods or failure to clean dirt from a leather band for long periods can cause it to become discolored.

### CAUTION:

Exposing a leather band to rubbing or dirt can cause color transfer and discoloration.

## ● Metal Components

- Failure to clean dirt from metal components can lead to formation of rust, even if components are stainless steel or plated. If metal components exposed to sweat or water, wipe thoroughly with a soft, absorbent cloth and then place the watch in a well-ventilated location to dry.
- Use a soft toothbrush or similar tool to scrub the metal with a weak solution of water and a mild neutral detergent, or with soapy water. Next, rinse with water to remove all remaining detergent and then wipe dry with a soft absorbent cloth. When washing metal components, wrap the watch case with kitchen plastic wrap so it does not come into contact with the detergent or soap.

## ● Bacteria and Odor Resistant Band

- The bacteria and odor resistant band protects against odor generated by the formation of bacteria from sweat, which ensures comfort and hygiene. In order to ensure maximum bacteria and odor resistance, keep the band clean. Use an absorbent soft cloth to thoroughly wipe the band clean of dirt, sweat, and moisture. A bacteria and odor resistant band suppresses the formation of organisms and bacteria. It does not protect against rash due to allergic reaction, etc.

## ● Liquid Crystal Display

- Display figures may be difficult to read when viewed from an angle.

## ● Watch with Data Memory

- Allowing the battery to go dead, replacing the battery, or having your watch repaired can cause all data in watch memory to be lost. Note that CASIO Computer Co., Ltd. assumes no responsibility for any damages or losses caused by data lost due to malfunction or repair of your watch, replacement of the battery, etc. Be sure to keep separate written copies of all important data.

## ● Watch Sensors

- A watch sensor is a precision instrument. Never try to take it apart. Never try to insert any objects into the openings of a sensor, and take care to ensure that dirt, dust, or other foreign matter does not get into it. After using your watch where it has been immersed in saltwater, rinse it thoroughly with fresh water.

## ● Heart Rate Monitor Functions

- The back cover of the watch has a built-in sensor that detects your pulse. This is used to calculate and display an approximate heart rate value. The factors below can cause error in the displayed heart rate value.
  - How the watch is affixed to the wrist
  - Individual wrist characteristics and conditions
  - Training type and intensity
  - Sweat, dirt, and/or other foreign matter near the sensor

All of this means that heart rate values displayed by the watch are approximate, and no guarantees are made concerning their accuracy.

- The heart rate monitor function of this watch is intended for recreational purposes, and should not be used in any way for medical purposes.

## ● Chargeable Battery Handling (Please recycle!)

The built-in lithium-ion battery includes valuable resources. When you are ready to discard your watch, follow proper procedures in order to recycle resources. For information about the proper procedure to follow when discarding the watch, contact an authorized CASIO service center or your original retailer.

### Important!

- Do not try to replace batteries by yourself. Request battery replacement from an authorized CASIO service center or your original retailer.

## ● Personal Information Protection Precautions

To protect your personal information, be sure to perform the operation under “Resetting Watch Settings” before transferring ownership of this watch to another party or before disposing of it.

Note that CASIO Computer Co., Ltd. assumes no responsibility for any damage or loss suffered by you or any third party arising through the use of your watch or its malfunction.

## User Maintenance

### ● Caring for Your Watch

Remember that you wear your watch next to your skin, just like a piece of clothing. To ensure your watch performs at the level for which it is designed, keep it clean by frequently wiping with a soft cloth to keep your watch and band free of dirt, sweat, water and other foreign matter.

- Whenever your watch is exposed to sea water or mud, rinse it off with clean fresh water.
- For a metal band or a resin band with metal parts, use a soft toothbrush or similar tool to scrub the band with a weak solution of water and a mild neutral detergent, or with soapy water. Next, rinse with water to remove all remaining detergent and then wipe dry with a soft absorbent cloth. When washing the band, wrap the watch case with kitchen plastic wrap so it does not come into contact with the detergent or soap.
- For a resin band, wash with water and then wipe dry with a soft cloth. Note that sometimes a smudge like pattern may appear on the surface of a resin band. This will not have any effect on your skin or clothing. Wipe with a cloth to remove the smudge pattern.
- Clean water and sweat from a leather band by wiping with a soft cloth.
- Not operating a watch crown, buttons, or rotary bezel could lead to later problems with their operation. Periodically rotate the crown and rotary bezel, and press buttons to maintain proper operation.

## ● Dangers of Poor Watch Care

### Rust

- Though the metal steel used for your watch is highly rust-resistant, rust can form if your watch is not cleaned after it becomes dirty.
  - Dirt on your watch can make it impossible for oxygen to come into contact with the metal, which can lead to breakdown of the oxidization layer on the metal surface and the formation of rust.
- Rust can cause sharp areas on metal components and can cause band pins to fly out of position or to fall out. If you ever notice any abnormality immediately stop using your watch and take it to your original retailer or to an authorized CASIO service center.
- Even if the surface of the metal appears clean, sweat and rust in crevasses can soil the sleeves of clothing, cause skin irritation, and even interfere with watch performance.

### Premature Wear

- Leaving sweat or water on a resin band or bezel, or storing your watch in an area subject to high moisture can lead to premature wear, cuts, and breaks.

### Skin Irritation

- Individuals with sensitive skin or in poor physical condition may experience skin irritation when wearing a watch. Such individuals should keep their leather band or resin band particularly clean. Should you ever experience a rash or other skin irritation, immediately remove your watch and contact a skin care professional.

## Battery

- The special rechargeable battery used by your watch is not intended to be removed or replaced by you. Use of a rechargeable battery other than the special one specified for your watch can damage your watch.
- The rechargeable (secondary) battery can be charged by using the charging cable to connect the watch to a device equipped with a USB terminal, so it does not require regular replacement as the primary battery requires. Note, however, that long use or operating conditions can cause the capacity or charging efficiency of the rechargeable battery to deteriorate. If you feel that the amount of operation provided by charging is too short, contact your original retailer or CASIO service center.
- Regular, once-a-month charging is recommended to extend the service life of the watch's battery.

## Mobile Link Precautions


### ● Legal Precautions

- This watch complies with or has received approval under the radio laws of various countries and geographical areas. Using this watch in an area where it does not comply with or has not received approval under applicable radio laws may be a criminal offense. For details, visit the CASIO Website.  
<https://world.casio.com/ce/BLE/>
- Use of this watch inside of aircraft is restricted under the aviation laws of each country. Be sure to follow the instructions of airline personnel.

### ● Precautions when using Mobile Link

- When using this watch in combination with a phone, keep the watch and phone close to each other. A range of two meters is recommended as a guideline, but the local environment (walls, furniture, etc.), the structure of a building, and other factors may require a much closer range.
- This watch can be affected by other devices (electrical devices, audio-visual equipment, office equipment, etc.) In particular, it can be affected by operation of a microwave oven. The watch may not be able to communicate normally with a phone if a microwave oven is operating nearby. Conversely, this watch may cause noise in radio reception and the video image of a TV.
- Bluetooth of this watch uses the same frequency band (2.4 GHz) as wireless LAN devices, and use of such devices in close proximity of this watch may result in radio interference, slower communication speeds and noise for the watch and the wireless LAN device, or even communication failure.

### ● Stopping Radio Wave Emission by This Watch

The watch is emitting radio waves while  is on the display or while GPS is in use.

When in a hospital, on an aircraft, or in any other area where the use of radio waves is not allowed, enable the Airplane Mode.

 [Entering the Watch Airplane Mode](#)



## Easy Operation

### Performing Activity Measurement with the Watch

You can use the watch to view activity data measured while wearing the watch. The flow of this operation is shown below.

#### ● Measurement Flow (Running Measurement)

1. Affix the watch correctly to your wrist.  
🔗 [Fastening the Watch to Your Wrist](#)
2. Perform the required watch operations to select [RUNNING] from among the activity measurement options.  
🔗 [Performing Activity Measurement](#)
3. Start running.  
Perform the required watch operation to start measurement.  
🔗 [Performing Activity Measurement](#)
4. Finish running.  
🔗 [To pause or end a measurement operation](#)
5. Save the measured data.  
🔗 [To pause or end a measurement operation](#)
6. Use the watch to view the measured data.  
🔗 [Viewing Activity Log Records](#)

#### Note

- When measuring an activity other than running, select an option other than [RUNNING] in step 2, above.

#### ● Useful Functions

You can customize the activity measurement settings below to allow more effective measurement.

- Auto lap measurement, Auto lap distance
- Auto pause
- Heart Rate Zone

Besides these, other settings can be customized. For details, see the information below.

- 🔗 [Performing Activity Measurement](#)
- 🔗 [Activity Measurement Settings](#)
- 🔗 [Starting Heart-rate Training](#)

### Using the Phone App to View Activity Results

You can use the “CASIO WATCHES” phone app to view activity data you measured with the watch.

The flow of this operation is shown below.

#### ● Getting Ready

Before measuring activity data for the first time, you need to prepare by performing the following steps. You do not need to perform these steps again for subsequent activity measurements.

- Connecting with a Phone
  - Install the “CASIO WATCHES” phone app on your phone
  - Pair the watch with your phone

🔗 [Pairing the Watch with Your Phone](#)

#### ● Measurement Flow (Running Measurement)

1. Affix the watch correctly to your wrist.  
🔗 [Fastening the Watch to Your Wrist](#)
2. Perform the required watch operations to select [RUNNING] from among the activity measurement options.  
🔗 [Performing Activity Measurement](#)
3. Start running.  
Perform the required watch operation to start measurement.  
🔗 [Performing Activity Measurement](#)
4. Finish running.  
🔗 [To pause or end a measurement operation](#)
5. Save the measured data.  
🔗 [To pause or end a measurement operation](#)
6. Check the measured data with the watch or the CASIO WATCHES phone app.  
🔗 [Viewing Activity Log Records](#)

#### Note

- When measuring an activity other than running, select an option other than [RUNNING] in step 2, above.
- Measured data is transferred from the watch to CASIO WATCHES phone app at the timing noted below.
  - Immediately after a measurement operation, while connected to the phone, is complete
  - If you are not connected to your phone during measurement, immediately after reconnecting
  - If your phone is turned off, immediately after it is turned on, and CASIO WATCHES phone app is started up
- If you cannot connect to your phone or transfer data, restart CASIO WATCHES phone app.

#### ● Useful Functions

You can customize the activity measurement settings below to allow more effective measurement.

- Activity Measurement Screen
- Auto lap measurement, Auto lap distance
- Auto pause
- Training Alert
- Heart Rate Zone

Besides these, other settings can be customized. For details, see the information below.

- 🔗 [Performing Activity Measurement](#)
- 🔗 [Activity Measurement Settings](#)
- 🔗 [Starting Heart-rate Training](#)



## Recover Support and Health Management

This section explains the operation flow for operations for functions that support the body.

### ● Blood Oxygen Level Measurement

This function measures your blood oxygen level. You can view measurement results on your watch.

### ● Sleep Measurement (Nightly Recharge™)

If you wear your watch in bed, you can keep track of your physical condition while you are sleeping and the quality of your sleep. You can view measurement results on your watch and with the phone app.

### ● Breathing Exercise (Breathing Exercise)

This mode supports stress reduction using guidance that promotes breathing at a slow and stable rhythm. You can view measurement results on your watch.

### ● Step Reminder

When the watch detects that your step count over a certain period is low, it notifies you and encourages you to walk more. If the watch performs this Step Reminder notification operation, try walking for about five minutes.

### ● Blood Oxygen Level Measurement

1. Affix the watch correctly to your wrist.  
🔗 [Fastening the Watch to Your Wrist](#)
2. Start blood oxygen level measurement.  
After the measurement operation is complete, the watch displays the measurement result.  
🔗 [Measuring Your Blood Oxygen Level](#)
3. View the measurement results on your watch.

#### Note

- For details about blood oxygen level measurements, see the information below.  
🔗 [Blood Oxygen Level Measurement](#)

### ● Sleep Measurement (Nightly Recharge™)

\* Powered by Polar

1. Specify your night time.  
🔗 [Specifying the Night Time](#)
2. Specify your bedtime and wake-up time.  
🔗 [Specifying Your Desired Bedtime and Wake-Up Time](#)
3. Select [ON] or [ACTIVITY & NIGHT TIME ON] for the heart rate measurement setting.  
🔗 [To enable or disable heart rate measurement](#)
4. Affix the watch correctly to your wrist.  
🔗 [Fastening the Watch to Your Wrist](#)
5. Get your normal sleep.  
Measurement will automatically end when the watch detects that you have woken up.
6. View the measurement results on your watch.  
🔗 [Checking Nightly Recharge™ Status](#)

#### Note

- You cannot use watch operations to configure bedtime and wake-up time settings. To configure bedtime and wake-up time settings, pair the watch with your phone and then use CASIO WATCHES phone app to configure settings.  
🔗 [Pairing the Watch with Your Phone](#)
- For information on sleep measurement, see the information below.  
🔗 [Using Nightly Recharge™ to Check Your Recovery Status](#)
- You can view sleep measurement results on your watch. Note that you cannot view sleep analysis results on your watch. Use the CASIO WATCHES phone app to view sleep analysis results.
- To improve sleep analysis accuracy, it may take about one to two hours after you wake up for measurement results to be displayed on the watch.
- For details about sleep support functions, see the information below.  
🔗 [Smart Alarm](#)

### ● Breathing Exercise (Breathing Exercise)

\* Powered by Polar

1. Affix the watch correctly to your wrist.  
🔗 [Fastening the Watch to Your Wrist](#)
2. Start the breathing exercise.  
Take deep breaths following the animation on the watch screen.  
The watch displays the status of your mind and body in real time.  
When you finish your breathing exercise, the watch displays measurement results.  
🔗 [Measuring a Breathing Exercise](#)
3. View the measurement results on your watch.

#### Note

- For information about breathing exercises, see the information below.  
🔗 [Breathing Exercises](#)  
🔗 [Setting a Breathing Exercise Duration](#)

### ● Step Reminder

1. Enable Step Reminder.  
🔗 [Enabling Step Reminder](#)
2. The watch notifies you when it detects that your step count over a certain period is low.  
Press any button to clear the notification.

#### Note

- If behavior analysis does not detect walking and running, the watch may notify you that step reminder has determined that your step count is low.

## Before Using the Watch

### About This Watch

#### Watch Features

- [Phone Linking](#)

You can transfer activity data to a Bluetooth® capable phone and work with it using phone applications.

- [Activity Function](#)

Use this function to measure and record distance, elapsed time, pace, and other activity data.

- [Activity Log](#)

Activity Log can store up to 100 records of data acquired during activity measurement.

- [Life Log](#)

You can use Life Log to check your step count, calories burned, active time results, and other information.

- [Heart Rate Measurement](#)

This function measures your estimated heart rate.

- [Blood Oxygen Level Measurement](#)

This function measures your blood oxygen level.

- [Breathing Exercise](#)

This function guides you through breathing exercises.

- [Nightly Recharge™](#)

This function analyzes your sleep and provides information about your physical recovery.

- [Compass Reading](#)

You can use the compass function to determine the direction of north, and to check your bearing to a destination.

- [Altitude Measurement](#)

You can use this function to take an altitude reading at your current location.  
You can record the altitude, along with the date and time of the measurement.  
You can also measure the altitude differential between two points.

- [Barometric Pressure and Temperature Measurement](#)

You can display the current barometric pressure tendency, which helps you be on the alert for noteworthy pressure changes.

The watch can be used to take current air temperature readings.

- [Tide Function](#)

You can view tide information (Tide Graph) for the port you specified.

#### Important!

- This watch is not a special-purpose measuring instrument. Measurement function readings are intended for general reference only.
- When using this watch for serious trekking, mountain climbing, or other activities, always take along another compass to confirm readings. If the readings produced by this watch are different from those of the other compass, perform figure 8-calibration of the watch's compass to ensure better accuracy.
  - Compass readings and calibration will not be possible if the watch is in the vicinity of a permanent magnet (magnetic accessory, etc.), metal objects, high-voltage wires, aerial wires, or electrical household appliances (TV, computer, cellphone, etc.)
- The watch's altimeter function calculates and displays relative altitude based on barometric pressure readings produced by its pressure sensor. Because of this, altitude values displayed by the watch may be different from your actual elevation and/or sea level elevation indicated for the area where you are located. Regular calibration in accordance with the local altitude (elevation) indications is recommended.

[Compass Reading](#)

[Altitude Measurement](#)

#### Note

- The illustrations included in this operation guide have been created to facilitate explanation. An illustration may differ somewhat from the item it represents.
- You can obtain more accurate display values by creating a profile before measuring your heart rate or activity data.
  - [Creating Your Profile](#)
- Depending on the version of your watch's software, its operations and display contents may differ from those described in this Operation Guide.
- You may need to upgrade your watch software to use the functions and to display the screens described in this Operation Guide. Use of the latest software version is recommended.
  - [Updating the Watch's Software Version](#)

## Charging the Watch

The charging cable can be used to charge the watch. The watch can also be charged by sunlight or other light, in addition to electrical power.

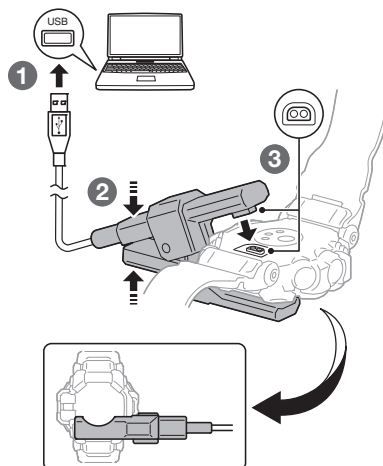
### Charging with the Charger Cable

Charging with the charger cable is faster than solar charging.

#### Important!

- Use only the supplied charger cable for charging.
- A device with a USB port (Type-A) can also be used for charging.
- Note that no guarantees are made concerning the suitability of all types of USB ports for charging. If charging is not possible for some reason, disconnection from the USB port is recommended.
- Place the charger on a desk or other stable surface, making sure there is plenty of open space around it. Charging with the charger and watch in a bag or some other enclosed space can cause overheating of the watch.
- Should water or any other liquid get onto the watch or charger cable during charging, immediately unplug the charger cable from the power source.
- Perform charging in an environment where ambient temperature is between 5 °C and 35 °C (41 °F and 95 °F).
- Avoid pinching your hands or fingers in the gap of the clip of the charging cable.

### Charging the Watch



1. Turn on your computer or other device with a USB port (power source), and connect the charger cable to it.
2. Open the charging cable clip.
3. Align the electrodes of the clip with the charging terminals of the watch, and fasten the clip to the watch.
  - ⚡ flashes when charging starts.



- When a full charge is reached, **HIGH** appears on the display, and ⚡ disappears. Charging stops at this time.



### Charging from a Non-computer Device's USB Port

You can charge using power from a USB port (Type-A) that meets USB standards.

- Voltage: 5 V
- Current: 0.5 A min.

### Precautions When Charging

- A charging operation will not start while the battery level indicator shows **HIGH**. To prolong the life of the watch's rechargeable battery, charge only while the battery level indicator shows **LOW** or lower.
- Do not attempt charging at high ambient temperatures of 35 °C (95 °F) or greater. The watch becomes hot during charging, which can cause charging to stop automatically. High ambient temperature may result in a less than full charge.
- Operation on a custom computer or a computer that has been modified from its original configuration is not guaranteed.
- The watch may become warm during charging. This is normal and does not indicate malfunction.

#### Note

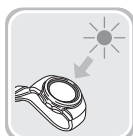
- Starting from a blank display, it takes about 3.2 hours to achieve a full charge.
- Charging time depends on ambient temperature and other factors.

## Solar Charging

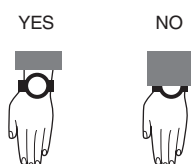
Power generated by the solar panel powers watch operations and also is used to charge a rechargeable (secondary) battery. The solar panel is integrated into the LCD of the watch, and power for charging is generated whenever the face is exposed to light.

### ● Charging the Watch

When you are not wearing the watch, put it in a location where it is exposed to bright light.



While you are wearing the watch, make sure that its LCD (solar panel) is not blocked from light by the sleeve of your clothing. Power generation efficiency is reduced even when the LCD is blocked only partially.



### Important!

- Depending on light intensity and local conditions, the watch may become hot to the touch when exposed to light for charging. Take care to avoid burn injury after charging. Also, avoid charging the watch under high-temperature conditions like the ones described below.
  - On the dashboard of a vehicle parked in the sun
  - Near an incandescent light bulb or other source of heat
  - Under direct sunlight or in other hot areas for long periods

## Checking the Charge Level

You can determine the watch's current charge level by checking the battery indicator.

| Level | Indicator                                                                                                                                                                       | Usable Functions                                         |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| HIGH  |                                                                                                                                                                                 | All                                                      |
| 5     |                                                                                                                                                                                 |                                                          |
| 4     |                                                                                                                                                                                 |                                                          |
| 3     |                                                                                                                                                                                 |                                                          |
| 2     |                                                                                                                                                                                 |                                                          |
| 1     |                                                                                                                                                                                 |                                                          |
| LOW   |                                                                                                                                                                                 | Current time screen, stopwatch, timer, World Time, alarm |
| CHG   | <ul style="list-style-type: none"> <li>Normally (not charging): Blank display</li> <li>During USB charging (charging in progress): [CHARGING BATTERY] only displayed</li> </ul> |                                                          |

- The display goes blank when the battery goes dead.

### Important!

- Available watch functions are limited when the battery indicator shows . Connect the charging cable and charge the watch as soon as possible after the battery indicator shows .
- Charge the watch as soon as possible after the battery indicator becomes or lower. Leaving the watch without charging for several months results in over-discharge and may make future charging impossible. If this happens, contact your original retailer.
- Only the following functions are available while the battery indicator shows : current time display, stopwatch, timer, World Time, alarms.
- Even when the battery indicator shows , the current time can be maintained by solar charging.
- If the battery is dead and the watch display is blank, use the charger cable to charge the watch.
- Regular charging at least once a month is recommended to extend battery life, even if you do not use the watch during that time.

### Note

- Solar charging cannot charge the battery up to level .

## Charging Time Guidelines

Charging the watch daily for the approximate times shown below should maintain a charge of **LOW** or higher.

When the charge level is **LOW**, you will still be able to use the current time screen, and stopwatch, timer, world time, and alarm functions.

[☞ Checking the Charge Level](#)

### Note

- Actual charging time depends on the charging environment, watch settings, and other factors.

## Charging with the Charging Cable

### Charge Recovery Times

|                                    |                     |
|------------------------------------|---------------------|
| Blank display → HIGH (Full charge) | Approx. 3.2 hours * |
| CHG → LOW                          | Approx. 10 minutes  |
| LOW → Level 1                      | Approx. 15 minutes  |
| Level 1 → HIGH (Full charge)       | Approx. 3.1 hours   |

\* Approx. 6 hours when ambient temperature is 5°C to 10°C (41°F to 50°F)

## Solar Charging

**Time required to maintain the current time display by solar charging even when the battery level is "LOW"**

| Light Level (Lux)                               | Approximate Charging Time |
|-------------------------------------------------|---------------------------|
| 50,000 lux<br>(Sunny day outdoors, etc.)        | 9 minutes                 |
| 10,000 lux<br>(Sunny day near a window, etc.)   | 42 minutes                |
| 5,000 lux<br>(Overcast day near a window, etc.) | 83 minutes                |
| 500 lux<br>(Indoor fluorescent lighting, etc.)  | 14 hours                  |

### Note

- Charging is performed even with exposure to indoor fluorescent lighting (500 lux). The watch will be able to maintain a charge of **LOW** or higher if it is exposed to indoor fluorescent lighting for eight hours a day, in addition to light near a window on a sunny day (10,000 lux) for two hours a week.

## Power Saving

If there is no movement for a certain period, the watch will disconnect from your phone and enter sleep mode.

- You can put the watch into a power saving mode manually.

[☞ Enabling Power Saving](#)

### Display Sleep

Leaving the watch in the dark for about an hour between 10 pm and 5:50 am causes the screen to go blank.

### Function Sleep

If the watch is left in display sleep for seven days, sensor measurement and other functions will become disabled.

### To exit power saving (sleep state)

Press any button or perform any watch operation to exit power saving (sleep state).

## Connecting with a Phone

To use your watch in combination with a phone, you first need to pair them. You can get the most out of the functions of this watch by using it in combination with your phone.

## Pairing the Watch with Your Phone

To use your watch in combination with a phone, you first need to pair them. Perform the steps below to pair the watch with a phone.

### ① Install the required app on your phone.

In Google Play or the App Store, search for the "CASIO WATCHES" phone app and install it on your phone.

### ② Turn on location services

Turn on your phone's location services.

### Note

- For details about setting procedures, see your phone documentation.

### ③ Configure Bluetooth settings

Enable the phone's Bluetooth.

### Note

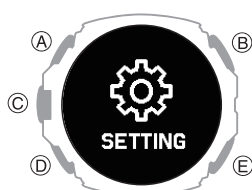
- For details about setting procedures, see your phone documentation.

## ● ④ Pair the watch with your phone

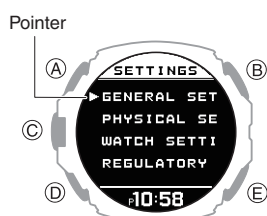
Before you can use the watch in combination with a phone, you first need to pair them.

Perform the operation below to pair the watch with your phone for the first time.

1. Move the phone to be paired with close to (within one meter of) the watch.
2. Tap the "CASIO WATCHES" icon.
  - Tap **+** on the "My Watch" tab. Next, select the applicable product name.
3. Display the current time.
  - 🔗 [Watch Mode](#)
4. Hold down (A) for at least two seconds. This enters the Control Mode.
5. Use (A) and (D) to select [SETTING].

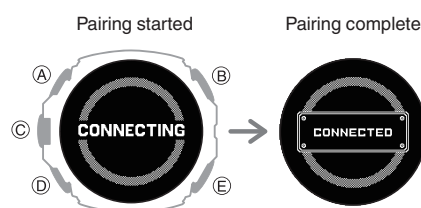


6. Press (C). This displays the setting menu screen.



7. Use (A) and (D) to move the pointer to [GENERAL SETTINGS].
8. Press (C).
9. Use (A) and (D) to move the pointer to [PAIRING].
10. Press (C).

11. Use (A) and (D) to move the pointer to [PAIRING].
12. Press (C).
13. When the watch you want to pair with appears, follow the instructions on the display to pair with it.
  - If a pairing prompt message appears, perform the operation shown on the phone screen.
  - If pairing fails, the watch returns to the state in step 9 of this procedure. Perform the pairing procedure again from the beginning.



### Note

- The first time you start up the CASIO WATCHES phone app, a message will appear on your phone asking if you want to enable location information acquisition. Configure settings to allow background use of location information.
- For information about what to do when pairing is unsuccessful, see the information below.
  - 🔗 [I can't pair the watch with a phone.](#)
- If your watch is already paired with another phone, you won't be able to select [PAIRING] on the screen in step 11. Unpair your watch from the other phone before pairing it with your phone.
  - 🔗 [Unpairing](#)
- If this watch is already registered with CASIO WATCHES phone app, select it from the registered watches displayed on the "My Watch" tab in step 2 of this procedure and pair it.

## Connecting with a Phone Paired With the Watch

Your watch automatically connects with its paired phone.

The **⌘** symbol is displayed at the top of the watch screen while the watch is connected with a phone. **⌘** flashes when there is no connection between the watch and a phone.

- If the watch is not paired with the phone you want to connect with, refer to the information below and pair them.

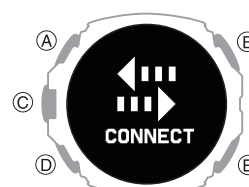
🔗 [④ Pair the watch with your phone](#)

### Important!

- If you have problems establishing a connection, it could mean that CASIO WATCHES phone app is not running on your phone. On your phone's home screen, tap the "CASIO WATCHES" icon. Perform the operation shown on the screen to pair with the watch.

If you cannot connect to the paired phone and data such as activities are not transferred to the phone, perform the procedure below to reconnect.

1. Display the current time screen.
  - 🔗 [Watch Mode](#)
2. Hold down (A) for at least two seconds. This enters the Control Mode.
3. Use (A) and (D) to select [CONNECT].



4. Press (C). This establishes a Bluetooth connection.
  - When the connection is established, [CONNECTED] appears and is then replaced by [CONNECT] after a few seconds. The data is transferred to your phone.
  - If the connection fails, [FAILED] appears on the display.



## Note

- The watch stores up to three days of lifelog data. Connect the watch and smartphone once every three days to transfer the data to the CASIO WATCHES phone app.
- The more often you connect the watch and your smartphone, the less time it will take to receive GPS signals at the start of activity measurements.

## Unpairing

Unpairing the watch from a phone requires both the CASIO WATCHES phone app and watch operations.

## Note

- If there is any pairing information remaining on your phone, delete that information as well.
- The watch cannot be unpaired from a phone while the watch's Airplane Mode is enabled. To unpair from your phone, disable the watch's Airplane Mode.  
[↻ Entering the Watch Airplane Mode](#)

### ● Deleting Pairing Information from the CASIO WATCHES phone app

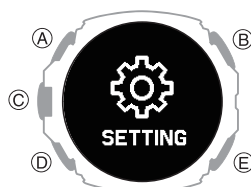
- Tap the "CASIO WATCHES" icon.
- Tap the "My Watch" tab.
- Tap the watch you want to unpair.
- Tap the "●●●".
- Perform the operation shown on the phone screen to unpair.

## Note

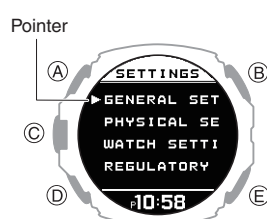
- Deleting pairing information from the CASIO WATCHES phone app does not delete data previously transferred from your watch to the app.

### ● Deleting Pairing Information from the Watch

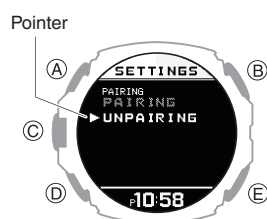
- Display the current time.  
[↻ Watch Mode](#)
- Hold down (A) for at least two seconds. This enters the Control Mode.
- Use (A) and (D) to select [SETTING].



- Press (C). This displays the setting menu screen.



- Use (A) and (D) to move the pointer to [GENERAL SETTINGS].
- Press (C).
- Use (A) and (D) to move the pointer to [PAIRING].
- Press (C).
- Use (A) and (D) to move the pointer to [UNPAIRING].



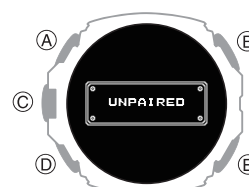
- Press (C).

- Use (A) and (D) to select whether or not you want to delete the pairing information.

|       |                                      |
|-------|--------------------------------------|
| [YES] | Deletes pairing information.         |
| [NO]  | Does not delete pairing information. |

- Press (C).

After deletion of the pairing information is complete, [UNPAIRED] appears for a few seconds, and then the display returns to the screen in step 9 of this procedure.



- Display the current time.  
[↻ Watch Mode](#)

### ● Deleting the phone's pairing information

For details about setting procedures, see your phone documentation.

"Settings" → "Bluetooth" → Cancel the watch's device registration.

## After Purchasing Another Phone

You need to perform the pairing operation whenever you want to establish a Bluetooth connection with a phone for the first time.

[↻ Deleting Pairing Information from the Watch](#)

[↻ ④ Pair the watch with your phone](#)

## Creating Your Profile

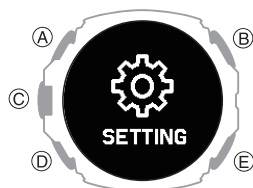
Profile settings (weight, height, date of birth, gender, etc.) must be configured before the watch can display activity logs and calculate accurate heart rate zones.

1. Display the current time screen.

🔍 [Watch Mode](#)

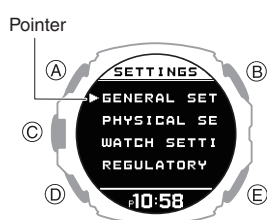
2. Hold down (A) for at least two seconds.  
This enters the Control Mode.

3. Use (A) and (D) to select [SETTING].



4. Press (C).

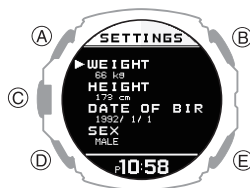
This displays the setting menu screen.



5. Use (A) and (D) to move the pointer to [PHYSICAL SETTINGS].

6. Press (C).

This displays the profile item selection screen.



|                       |                                |
|-----------------------|--------------------------------|
| [WEIGHT]              | Weight                         |
| [HEIGHT]              | Height                         |
| [DATE OF BIRTH]       | Date of birth                  |
| [SEX]                 | Gender                         |
| [WRIST]               | Wrist where you wear the watch |
| [STRIDE RESET]        | Stride reset                   |
| [TRAINING BACKGROUND] | Training frequency             |
| [MAXIMUM HEART RATE]  | Maximum heart rate             |
| [RESTING HEART RATE]  | Resting heart rate             |
| [VO2MAX]              | VO2MAX                         |

7. Use (A) and (D) to select the item you want to input.

8. Press (C).

9. Record your weight.

- On the profile item selection screen, select [WEIGHT].

- ① Use (A) and (D) to input your weight.

- ② Press (C) to register your weight.  
After the registration operation is complete, a check mark appears for a few seconds, and then the profile item selection screen re-appears.

10. Record your height.

- On the profile item selection screen, select [HEIGHT].

- ① Use (A) and (D) to input your height.

- ② Press (C) to register your height.  
After the registration operation is complete, a check mark appears for a few seconds, and then the profile item selection screen re-appears.

11. Specify your date of birth.

- On the profile item selection screen, select [DATE OF BIRTH].

- ① Use (A) and (D) to specify a year.

- ② Press (C).

- ③ Use (A) and (D) to specify a month.

- ④ Press (C).

- ⑤ Use (A) and (D) to specify a day.

- ⑥ Press (C) to register your date of birth.  
After the registration operation is complete, a check mark appears for a few seconds, and then the profile item selection screen re-appears.

12. Specify your gender.

- On the profile item selection screen, select [SEX].

- ① Use (A) and (D) to move the pointer to [MALE] or [FEMALE].

- ② Press (C) to register your gender.  
After the registration operation is complete, a check mark appears for a few seconds, and then the profile item selection screen re-appears.

13. Specify the wrist where you wear the watch.

- On the profile item selection screen, select [WRIST].

- ① Use (A) and (D) to move the pointer to [LEFT] or [RIGHT].

- ② Press (C) to register your wrist setting.  
After the registration operation is complete, a check mark appears for a few seconds, and then the profile item selection screen re-appears.

14. Reset the stride.

- This returns your stride to a value calculated based on your height.

- On the profile item selection screen, select [STRIDE RESET].

- ① Press (C) to reset the stride.  
After the reset operation is complete, a check mark appears for a few seconds, and then the profile item selection screen re-appears.

## 15. Registering your training frequency.

- On the profile item selection screen, select [TRAINING BACKGROUND].

- Use (A) and (D) to specify your training frequency

Training frequency is an evaluation of your long-term physical activity level. Select the option that best describes the amount and intensity of your physical activity over the past three months.

|              |                                                                                                                                                                                                                                                                                        |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [OCCASIONAL] | <ul style="list-style-type: none"> <li>Occasional (0 to 1 hour/week)<br/>Rare physical activity requiring heavy breathing or sweating.</li> </ul>                                                                                                                                      |
| [REGULAR]    | <ul style="list-style-type: none"> <li>Regular (1 to 3 hours/week)<br/>Regular physical activity such as running 5 to 10 km (3 to 6 miles) per week or equivalent physical activity for 1 to 3 hours per week. Could also be work that requires moderate physical activity.</li> </ul> |
| [FREQUENT]   | <ul style="list-style-type: none"> <li>Frequent (3 to 5 hours/week)<br/>Running 20 to 50 km (12 to 31 miles) per week or engaging in strenuous exercise at least 3 times per week. Could also be equivalent physical activity of 3 to 5 hours per week.</li> </ul>                     |
| [HEAVY]      | <ul style="list-style-type: none"> <li>Heavy (5 to 8 hours/week)<br/>Vigorous exercise 5 times or more per week, or training to improve competition performance.</li> </ul>                                                                                                            |
| [SEMI-PRO]   | <ul style="list-style-type: none"> <li>Semi-pro (8 to 12 hours/week)<br/>High-intensity physical exercise almost daily and exercise to improve athletic performance.</li> </ul>                                                                                                        |
| [PRO]        | <ul style="list-style-type: none"> <li>Pro (12 hours or more/week)<br/>Endurance athlete engaging in vigorous physical activity to improve competition performance.</li> </ul>                                                                                                         |

- Press (C) to exit training frequency registration.  
After the registration operation is complete, a check mark appears for a few seconds, and then the profile item selection screen re-appears.

## 16. Register a maximum heart rate.

- On the profile item selection screen, select [MAXIMUM HEART RATE].

- Use (A) and (D) to select a maximum heart rate registration method.

|          |                                                                     |
|----------|---------------------------------------------------------------------|
| [AUTO]   | Automatically sets a maximum heart rate based on your date of birth |
| [MANUAL] | Manual                                                              |

- The currently selected setting is indicated by a check mark (✓) to the left.
- If you selected [MANUAL], use (A) and (D) to specify a maximum heart rate value.
    - If you selected [AUTO], advance to step ③.

- Press (C) to exit maximum heart rate registration.  
After the registration operation is complete, a check mark appears for a few seconds, and then the profile item selection screen re-appears.

## 17. This registers your resting heart rate.

- On the profile item selection screen, select [RESTING HEART RATE].

- Use (A) and (D) to select a resting heart rate registration method.

|          |             |
|----------|-------------|
| [AUTO]   | Auto update |
| [MANUAL] | Manual      |

- The currently selected setting is indicated by a check mark (✓) to the left.

- If you selected [MANUAL], use (A) and (D) to specify a resting heart rate value.

- If you selected [AUTO], advance to step ③.

- Press (C) to exit resting heart rate registration.  
After the registration operation is complete, a check mark appears for a few seconds, and then the profile item selection screen re-appears.

## 18. Register your VO2MAX.

- On the profile item selection screen, select [VO2MAX].

- Use (A) and (D) to select a VO2MAX registration method.

|          |             |
|----------|-------------|
| [AUTO]   | Auto update |
| [MANUAL] | Manual      |

- The currently selected setting is indicated by a check mark (✓) to the left.

### Note

- With [AUTO], VO2MAX is calculated based on your profile.
- If you know your VO2MAX value as calculated by a breath gas analyzer or another device, select [MANUAL] and enter the value.

- If you selected [MANUAL], use (A) and (D) to specify a VO2MAX value.

- If you selected [AUTO], advance to step ③.

- Press (C) to register your VO2MAX.  
After the registration operation is complete, a check mark appears for a few seconds, and then the profile item selection screen re-appears.

## 19. Press (E) twice to exit the setting screen.

## Mode Overview

Your watch has a Watch Mode and Activity Mode, and a Control Mode.

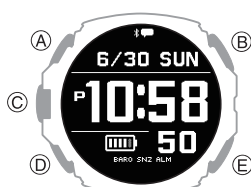
You can access the functions in each mode to perform measurements, view measurement results, and configure settings.

## Watch Mode

You can use the Watch Mode to access basic watch functions, body recovery support functions, and other functions and use them during your daily life.

To enter the Watch Mode from another mode, hold down (E) for at least one second.

- If activity measurement is in progress, you can switch to the Watch Mode by resetting the measurement and then holding down (E) for at least one second.



- Use (A) and (D) to select a function within a mode.

### ● Current Time Screen

Shows the current date and time.



### ● Heart Rate Measurement

This mode shows your current heart rate.

[Measuring Your Heart Rate](#)



### ● Compass Reading

Use this function to determine the northerly direction, and to take direction and bearing angle readings.

[Compass Reading](#)



### ● Altitude Measurement

Measures the altitude at your current location.

[Altitude Measurement](#)



### ● Barometric Pressure and Temperature Measurement

Use this function to take your current location's barometric pressure and temperature readings.

[Barometric Pressure and Temperature Measurement](#)



### ● Almanac (sunrise and sunset times, Moon age)

Use this function to check sunrise and sunset times, and the Moon age.

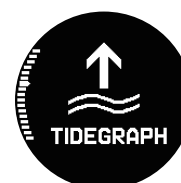
[Almanac \(Sunrise and Sunset Times, and Moon Age\)](#)



### ● Tide Graph

This graph shows a tide graph, tide cycle, and other tide information for the port you specified.

[Tide Function](#)



### ● Blood Oxygen Level

This function measures your blood oxygen level.

[Blood Oxygen Level Measurement](#)



### ● Breathing Exercise (Breathing Exercise)

\* Powered by Polar

This mode supports stress reduction by guidance that promotes breathing at a slow and stable rhythm.

[Breathing Exercises](#)



### ● Cardio Load Status (Cardio Load Status)

\* Powered by Polar

Use this function to keep track of your training status.

[Viewing Your Cardio Load Status](#)



## ● Life Log

Use this function to check Life Log data, such as your step count and calories burned.

🔗 [Viewing Life Log Data](#)



## ● Nightly Recharge™

\* Powered by Polar

Use this function to check your recovery status during sleep.

🔗 [Using Nightly Recharge™ to Check Your Recovery Status](#)



## ● Activity Log

Use this function to view recorded activity measurements.

🔗 [Viewing Activity Log Records](#)



## ● World Time

This function shows the current time in 38 cities around the globe and UTC (Coordinated Universal Time) time.

🔗 [World Time](#)



## ● Timer

The timer counts down from a start time specified by you. The watch performs a sound and/or vibration operation when the end of the countdown is reached.

🔗 [Timer](#)



## ● Stopwatch

Use this function to measure elapsed time.

🔗 [Stopwatch](#)



## ● Notification Checking Function

This function lets you check calls, mail, SNS notifications, and other information that comes in on your phone.

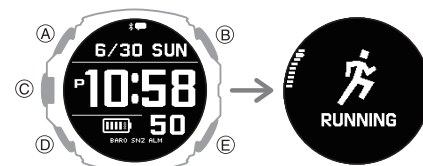
🔗 [Receiving Phone Notifications](#)



## | Activity Mode

In the Activity Mode, you can measure data for a selected training type or activity, and view the measurement results.

To enter the Activity Mode, press (C) while the current time screen is displayed.



- Use (A) and (D) to select a function within a mode.

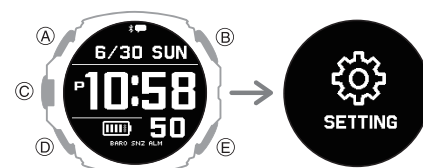
For information about activities, see the information below.

🔗 [Activity Overview](#)

## | Control Mode

In the Control Mode, you can control various watch settings and communication with your phone.

To enter the Control Mode, hold down (A) for at least two seconds while the current time screen is displayed.



- Use (A) and (D) to select a function within a mode.

## ● SETTING

Use this function to configure watch settings.

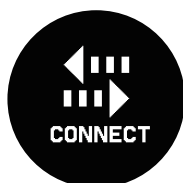


- While the [SETTING] screen is displayed, pressing (C) displays the setting menu. For details about the settings, see the operating instructions for each function.

## ● Connect

You can use this function to reconnect manually with the phone that is paired with the watch.

🔗 [Connecting with a Phone Paired With the Watch](#)



## ● Phone Finder

You can use phone finder to trigger a sound on the phone that is paired with the watch to help you find it.

🔗 [Phone Finder](#)



## ● Time Adjustment

This function lets you acquire time data from the phone paired with the watch or from GPS and adjust the watch's time setting with the press of a watch button.

🔗 [Manually Connecting with a Phone to Sync the Watch's Time Setting](#)

🔗 [Adjusting the Watch's Current Time Setting Using GPS](#)



## ● Airplane Mode

You can use this function to turn the Airplane Mode on or off.

🔗 [Entering the Watch Airplane Mode](#)



## Performing Activity Measurement

The watch uses GPS and an accelerometer to measure and record the distance, step count, elapsed time, pace, and other data while running, walking, or engaging in other activities.

You can review recorded data on the watch or with CASIO WATCHES phone app.

🔗 [Viewing Activity Log Records](#)

Before using activity measurements, it is recommended that you configure the settings required for measurement.

🔗 [Activity Measurement Settings](#)



## Activity Overview

Your watch has nine Activity Mode functions (activities).

- You can use CASIO WATCHES phone app to add, remove, or rearrange Activity Mode functions.

🔗 [Customizing the Watch Mode and Activity Mode Functions](#)

## Activity Measurement that Supports GPS Reception

GPS signals are used to measure distance, time, and speed.

|  |                                                                                                                        |
|--|------------------------------------------------------------------------------------------------------------------------|
|  | <b>TREKKING (Trekking)</b><br>Performs mountain climbing measurements.                                                 |
|  | <b>RUNNING (Running)</b><br>Performs running measurements.                                                             |
|  | <b>BIKING (Biking)</b><br>Performs biking measurements.                                                                |
|  | <b>OPEN WATER SWIMMING (Open Water Swimming)</b><br>Performs swimming measurements in the ocean, rivers, etc.          |
|  | <b>TRAIL RUNNING (Trail Running)</b><br>Performs trail running measurements.                                           |
|  | <b>WALKING (Walking)</b><br>Performs walking measurements.                                                             |
|  | <b>OTHER ACTIVITY (Other Activities)*</b><br>Measurements for skiing, snowboarding, SUP, and other outdoor activities. |




\* Use the CASIO WATCHES phone app to add this activity category.

🔗 [Customizing the Watch Mode and Activity Mode Functions](#)



## Activities that Support Measurement Without GPS Signal Reception

These measurements can be performed by the watch without GPS.

|                                                                                   |                                                                                      |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  | GYM WORKOUT (Strength Training, etc.)<br>For workout measurements.                   |
|  | INTERVAL TIMER (Interval Timer)<br>You can use the interval timer for your training. |
|  | POOL SWIMMING (Pool Swimming)<br>For pool swimming measurements.                     |

## Performing Activity Measurement

Use the procedures in this section to select an activity and measure it.

### ● To select an activity

1. Display the current time screen.

🔗 [Watch Mode](#)

2. Press (C).

This enters the Activity Mode.

**Example:**



3. Use (A) and (D) to select an activity.

- For information about activity items, see the information below.

🔗 [Activity Overview](#)

### ● To receive GPS signals

Before performing measurements for the activities below, you should start the GPS signal receive operation before starting measurement.

- TREKKING
- RUNNING
- BIKING
- OPEN WATER SWIMMING
- TRAIL RUNNING
- WALKING
- OTHER ACTIVITY\*

\* Use the CASIO WATCHES phone app to add this activity category.

🔗 [Customizing the Watch Mode and Activity Mode Functions](#)

If you are having trouble receiving GPS signals, move to a suitable location and try again.

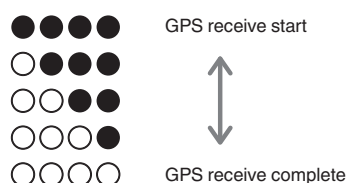
🔗 [Appropriate Signal Reception Location](#)

1. Press (C).

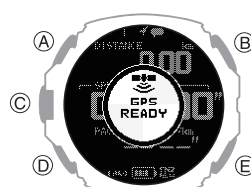
This causes the watch to start searching for GPS signals.



- The progress indicator shows the GPS signal level.



When [GPS READY] appears on the watch display, the watch is ready to perform activity measurement using GPS.



## Note

- Connect with CASIO WATCHES frequently to obtain GPS assist data automatically. This shortens the time required to receive GPS signals at the start of activity measurements.
- If you press (C) without waiting for [GPS READY] to appear, a warning screen appears and then activity measurement starts using the watch's accelerometer. When performing measurements using the accelerometer, your movements are not tracked. To track your movements during an activity, make sure that [GPS READY] is shown on the display before you start activity measurement.

Warning Screen



Press (E) to cancel the measurement startup and return to the GPS reception screen.

- It takes about 15 seconds to about two minutes after you press (C) in step 1 until activity measurement using GPS signals becomes enabled. Under some signal reception conditions, it may take more than five minutes.
- OPEN WATER SWIMMING uses GPS to measure the distance you swim. However, since GPS signals are affected by the external factors described below, it may not be possible to record distances you swim accurately.
  - Water surface reflects GPS signals, which affects measurement accuracy.
  - GPS signals are difficult to receive underwater, so GPS signals are lost whenever the watch is submerged.

To improve distance and route measurement accuracy using GPS, refer to the points below.

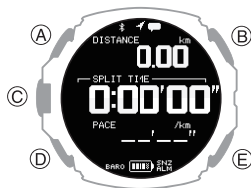
- After successfully receiving GPS signals, wait a few minutes before starting activity measurement. This will allow the GPS sensor to warm up and provide time for the watch to download the necessary GPS information.
- When swimming, make sure that the wrist where you are wearing the watch is above the surface of the water. Depending on your swimming style, distance and trajectory may not be recorded accurately.
- Specify [HIGH] for the GPS signal receive interval.

🔗 [Changing the GPS Receive Interval](#)

## ● To start measurement

1. Press (C).

This starts activity measurement.



- This displays a screen of the measurement being performed for the activity you specified with CASIO WATCHES phone app.

[Configuring Activity Measurement Display Settings](#)

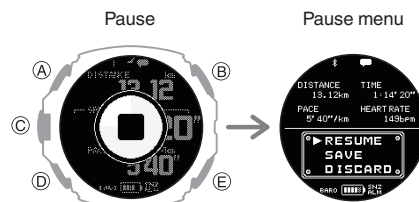
### Note

- For activities that require GPS signal reception, you can determine if GPS measurement is possible by checking the icon.  
Not Flashing: GPS measurement is possible  
Flashing: GPS measurement is not possible (Watch is searching for GPS signals.)
- If appears on the display after [GPS READY] is displayed, it means the GPS signal has been lost, and the watch is searching for it.
- If is flashing or if is displayed while activity measurement is in progress, tracking of the activity will not be recorded.
- If you enter the function settings before starting an activity measurement operation, GPS measurement pauses temporarily. The watch starts searching for GPS signals again when you exit the settings. When using GPS for run timing, wait until [GPS READY] appears on the display before you start.

## ● To pause or end a measurement operation

1. While an activity measurement operation is in progress, press (C).

This pauses activity measurement and opens the pause menu screen.



2. Use (A) and (D) to choose what to do with the activity data that was being measured.

|           |                                               |
|-----------|-----------------------------------------------|
| [RESUME]  | Resumes timing.                               |
| [SAVE]    | Saves the data and ends the measurement.      |
| [DISCARD] | Ends the measurement without saving the data. |

3. Press (C).

- Choosing to save the data causes the activity measurement result screen to appear.  
You can use (A) and (D) to scroll between summary screens.  
The display returns to the screen for the selected activity after a short while or when you press (E).
- Choosing to delete the data causes the screen for the selected activity to appear.

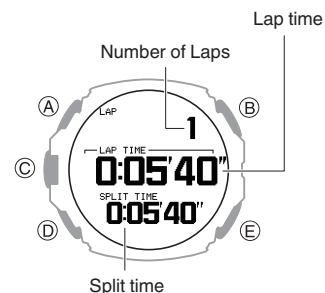
## ● To measure lap times

1. This starts activity measurement.

[To start measurement](#)

2. Press (E).

Each press of (E) displays the elapsed time of the current section (lap time) to appear.



3. Press (C) to pause activity measurement.

[To pause or end a measurement operation](#)

### Note

- In the case of POOL SWIMMING, lap measurement cannot be performed using the above operation.

## Before Using Pool Swimming (POOL SWIMMING)

You need to configure the settings before using the POOL SWIMMING activity.

- Specify the length of the pool to be used  
[Setting the Swimming Pool Length](#)  
– The pool length you specify is used to calculate the distance swum each time you perform a turn, which is interpreted as a lap.  
– After you stop swimming, a lap will be obtained after about six seconds.
- Specify the arm where you wear the watch  
This is necessary to detect the number of strokes and other data.  
[Creating Your Profile](#)

## Using the Timer for Interval Training

### Overview

Multiple timers can be used for the timing of consecutive segments of an activity (interval timers). You can use an interval timer to control how much time you spend doing push-ups, squats, or other exercises that make up a fitness workout.

For example, you could configure an interval timer as shown below and have intervals ① through ④ automatically repeat ten times.

### Timer Settings

- [TIMER1]: 30 seconds
- [TIMER2]: 20 seconds
- [TIMER3]: 30 seconds
- [TIMER4]: 25 seconds
- Sets: 10

### Interval Training Workout

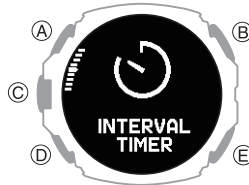
- ① Push-ups: 30 seconds
- ② Rest: 20 seconds
- ③ Squats: 30 seconds
- ④ Rest: 25 seconds

### Note

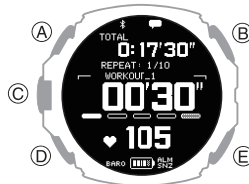
- The interval timer can repeat up to five timers up to ten times (auto repeat timer).
- For information about configuring interval timer settings, see the information below.  
[Configuring Interval Timer Settings](#)

## Timing with Interval Timers

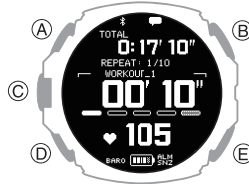
1. Display the current time screen.  
[Watch Mode](#)
2. Press (C).  
This enters the Activity Mode.
3. Use (A) and (D) to select [INTERVAL TIMER].



4. Press (C).  
This displays the measurement operation ready screen.



5. Press (C) to start the timer countdown.



- A 10-second sound or vibration alert notifies you when the interval timer operation is complete.

6. Press any button to stop the sound and/or vibration operation.

This displays the summary (measurement result) screen.

- The watch will automatically store measurement data and display the summary (measurement result) screen if you do not perform any operation during the 10 seconds that an interval timer end notification operation is being performed.

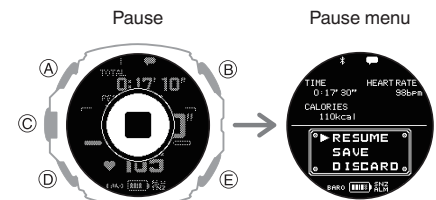
### Note

- Interval timers count down the final five seconds with sound/vibration.
- Holding down (E) for at least one second while a timer operation is in progress stops the current timer and starts measurement with the next timer.

## Pausing and Resetting the Timer

1. While a timer operation is in progress, press (C).

This pauses the time operation. After a few seconds, the pause menu screen appears.



2. Use (A) and (D) to select what to do with the interval training data measured by the timer.

|           |                                              |
|-----------|----------------------------------------------|
| [RESUME]  | Resumes the timer operation.                 |
| [SAVE]    | Saves the data and ends the timer operation. |
| [DISCARD] | Resets the timer.                            |

3. Press (C).

- If you selected [SAVE], your interval training results appear on the display. You can use (A) and (D) to switch summary screens.  
Press (E) to return to the current time screen.

## Starting Heart-rate Training

With heart-rate training, you measure your heart rate and then use the resulting value as a benchmark for training. You can monitor your heart rate levels and keep your exercise intensity in line with your training goals, which contributes to more efficient training, improved cardiopulmonary function, and better health.

\* Heart Rate Zone (HR zones)  
Powered by Polar

### ● To specify a target heart rate zone

Specify a target heart rate zone that matches your training objectives.


The range from 50% to 100% of your maximum heart rate is divided into five heart rate zones. You can easily control the intensity of your training by keeping your heart rate within a particular zone. Each heart rate zone has a main effect, and understanding these effects can enhance the effectiveness of your training.

- Zone 1 (50 to 60% of maximum heart rate):  
Very light training  
Zone 1 training improves overall health and helps you recover from more strenuous training.  
You can continue training in this zone for long periods.
- Zone 2 (60 to 70% of maximum heart rate):  
Light training  
Zone 2 training increases general stamina. It uses fat as an energy source, improving the body's ability to burn fat.  
You can continue training comfortably in this zone for long periods.
- Zone 3 (70 to 80% of maximum heart rate):  
Moderate training  
Zone 3 training improves aerobic fitness. It causes lactic acid to begin to accumulate in the bloodstream, but the body can reuse the lactic acid for energy, so it does not affect performance.  
Since Zone 3 training requires deeper breathing, you will feel the need for a moderate amount of effort.

- Zone 4 (80 to 90% of maximum heart rate):  
Hard training  
Zone 4 training improves speed endurance and enhances the ability of the body to use protein (sugar) for energy. In addition, Zone 4 training allows you to tolerate high levels of lactic acid in the blood.  
Zone 4 training results in muscle fatigue and rough breathing.

- Zone 5 (90 to 100% of maximum heart rate):  
Very hard training  
Zone 5 training improves maximum performance. Large amounts of lactic acid are accumulated, so long-term training is not possible.  
Zone 5 training results in labored breathing and muscle fatigue.

1. Configure CASIO WATCHES phone app settings so the heart rate measurement screen is displayed as an activity measurement screen.

 [Configuring Activity Measurement Display Settings](#)

2. Display the current time screen.

 [Watch Mode](#)

3. Press (C).

This enters the Activity Mode.

**Example:**



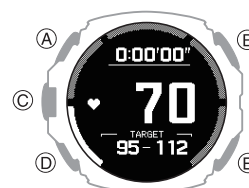
4. Use (A) and (D) to select an activity.

- Heart rate training is not available for POOL SWIMMING and OPEN WATER SWIMMING.

5. Press (C).

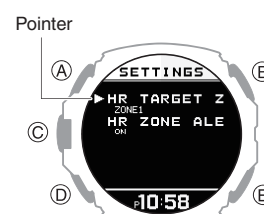
This displays the GPS signal receiving screen or returns to the activity measurement operation ready screen.

6. Use (A) and (D) to select the heart rate measurement screen.



7. Hold down (A) for at least two seconds.

This displays the HEART RATE (heart rate measurement) setting screen.



8. Use (A) and (D) to move the pointer to [HR TARGET ZONE].

9. Press (C).

10. Use (A) and (D) to move the pointer to the heart rate zone you want to specify as your target.

11. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the HEART RATE (heart rate measurement) function setting screen reappears.

12. Press (E) to exit the setting screen.

## ● To set up the heart rate zone alert

If you engage in heart-rate training while the heart rate zone alert is enabled, the watch will perform a sound and/or vibration operation to let you know when your current heart rate is outside your target zone. If you do not re-enter the target zone after the alert, an out-of-zone notification operation will be performed at one-minute intervals.

Heart rate zone alert performs notification only while the heart rate measurement screen is displayed.

1. Configure CASIO WATCHES phone app settings so the heart rate measurement screen is displayed as an activity measurement screen.

[Configuring Activity Measurement Display Settings](#)

2. Display the current time screen.

[Watch Mode](#)

3. Press (C).

This enters the Activity Mode.

**Example:**



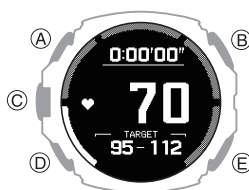
4. Use (A) and (D) to select an activity.

- Heart rate training is not available for POOL SWIMMING and OPEN WATER SWIMMING.

5. Press (C).

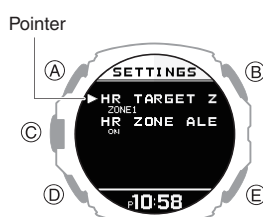
This displays the GPS signal receiving screen or returns to the activity measurement operation ready screen.

6. Use (A) and (D) to select the heart rate measurement screen.



7. Hold down (A) for at least two seconds.

This displays the HEART RATE (heart rate measurement) setting screen.



8. Use (A) and (D) to move the pointer to [HR ZONE ALERT].

9. Press (C).

10. Use (A) and (D) to move the pointer to [ON] (enabled) or [OFF] (disabled).

11. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the HEART RATE (heart rate measurement) function setting screen reappears.

12. Press (E) to exit the setting screen.

## Activity Measurement Precautions

- After using an activity function, use the charging cable to charge the watch.  
[Charging with the Charger Cable](#)
- Activity measurement is not possible while the battery indicator shows **LOW** or lower.  
Charging before performing an activity measurement is recommended.  
[Charging the Watch](#)
- If [MEMORY FULL] appears on the display while an activity measurement operation is in progress, the measurement operation stops.  
Measurement also stops automatically whenever a single activity measurement operation exceeds 80 hours.



- You may not be able to save measurement results if the remaining activity log capacity is low. If this happens, delete log data you no longer need to make room for more data.

[Deleting Activity Records](#)



- For information about the summary (Measurement Result) screen that appears after an activity measurement operation is complete, see the information below.

[Viewable Activity Log Items](#)

- Activities that use GPS cannot be selected while Airplane Mode is turned on.

[To select an activity](#)

[Entering the Watch Airplane Mode](#)

## Viewing Activity Log Records

After an activity measurement operation is completed, a summary (measurement results) is displayed and saved in watch memory as log data.

There is enough memory to store up to 100 log records.

### Measurement Data Accuracy

- The sensors of your watch calculate your step count, calories burned, heart rate, running index, and other data. No guarantees are made concerning the accuracy of the statistics and values calculated by this watch, so they should be used as general reference information only.

## Viewable Activity Log Items

The summaries (measurement results) in the table below can be viewed after an activity measurement is complete or by accessing the activity log.

The summary screens that are displayed depend on the activity.

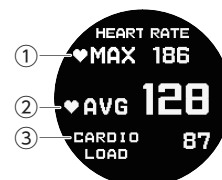
| Activity            | Summary (Measurement Result) Screen                                                                |
|---------------------|----------------------------------------------------------------------------------------------------|
| TREKKING            | Measurement Result Details<br>Heart Rate<br>Calories burned<br>Pace<br>Altitude<br>Lap             |
| RUNNING             | Measurement Result Details<br>Heart Rate<br>Calories burned<br>Cadence<br>Pace<br>Altitude<br>Lap  |
| TRAIL RUNNING       | Measurement Result Details<br>Heart Rate<br>Calories burned<br>Cadence<br>Pace<br>Altitude<br>Lap  |
| WALKING             | Measurement Result Details<br>Heart Rate<br>Calories burned<br>Cadence<br>Speed<br>Altitude<br>Lap |
| BIKING              | Measurement Result Details<br>Heart Rate<br>Calories burned<br>Speed<br>Altitude<br>Lap            |
| OTHER ACTIVITY      | Measurement Result Details<br>Heart Rate<br>Calories burned<br>Speed<br>Altitude<br>Lap            |
| OPEN WATER SWIMMING | Measurement Result Details<br>Calories burned<br>Strokes<br>Pace<br>Lap                            |
| POOL SWIMMING       | Measurement Result Details<br>Calories burned<br>Strokes<br>Pace<br>Lap                            |
| GYM WORKOUT         | Measurement Result Details<br>Heart Rate<br>Calories burned<br>Segments                            |
| INTERVAL TIMER      | Measurement Result Details<br>Heart Rate<br>Calories burned<br>Segments                            |

## Summary Screen Details Measurement Result Details Summary



- Activity name
- Split time
- Running distance
- Activity start date and time
- Pace

### Heart Rate Summary

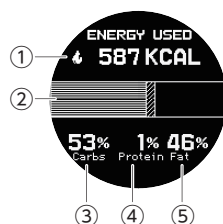


- Maximum heart rate
- Average heart rate
- Cardio load \*1

\*1 Cardio Load (CARDIO LOAD)  
Powered by Polar  
Cardio load measures the load your training session places on your cardiovascular system. Cardio load measurement values are displayed up to 999. The CASIO WATCHES phone app shows values greater than 999.



## Burned calorie summary



① Calories burned during measurement period

② Graph

③ Carbohydrate percentage

④ Protein percentage

⑤ Fat percentage

\* Analysis of Energy Consumption by Three Major Nutrients

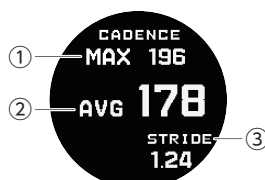
Energy source used (Energy Used)

Powered by Polar

The energy sources used breakdown shows how much of each energy source (fats, carbs, protein) you used during your session. These are indicated as percentages of the total calories burned. If the heart rate sensor is not being used, the calories burned are output but the energy source used is not output.

In the case of POOL SWIMMING and OPEN WATER SWIMMING, the percentages of total calories burned are not displayed.

## Cadence Summary

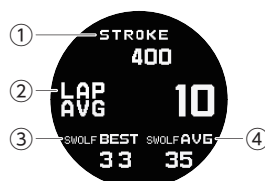


① Maximum cadence

② Average cadence

③ Average Stride

## Stroke Summary



① Total strokes \*2

② Average strokes \*2

③ Best SWOLF \*3

④ Average SWOLF \*3

\*2 For the crawl stroke and backstroke, the strokes are counted for one arm only.

\*3 SWOLF is an index of swimming efficiency.

SWOLF = number of strokes per pool length + time required to swim pool length

### Note

- How POOL SWIMMING lap times are acquired

A lap is automatically acquired about six seconds after either of the following occurs: the swimmer makes a turn or completes a distance equivalent to the pool length setting.

- Stroke/SWOLF average

An average value is calculated each time the swimmer completes a distance equivalent to the pool length setting. If you stop measurement without swimming a distance equivalent to the pool length setting, the strokes/SWOLF from your last lap to the point where you stopped the measurement will not be included in the average value.

## Pace Summary



① Best pace

② Average pace

③ Running index \*4 \*5

④ Evaluation \*6

\*4 Running index (RUNNING INDEX)

Powered by Polar

The Running Index provides your maximal aerobic fitness when running. This calculation is calculated for each run based on your heart rate and speed data measured during the run.

This item is displayed only when RUNNING is selected.

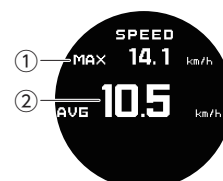
\*5 The Running Index is calculated when the GPS reception interval setting is [HIGH] or [NORMAL].

\*6 The evaluation is shown as one of the following: VERY LOW (Very Low), LOW (Low), FAIR (Fair), MODERATE (Moderate), GOOD (Good), VERY GOOD (Very Good), ELITE (Elite).

You can also check age-specific reference values.

[Fitness Categories](#)

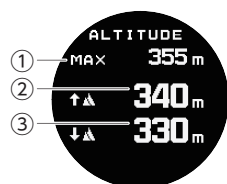
## Speed Summary



① Maximum speed

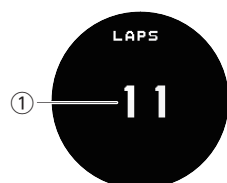
② Average speed

## Altitude Summary



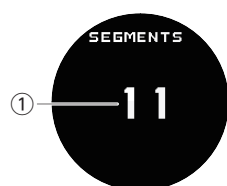
- ① Maximum elevation
- ② Cumulative ascent
- ③ Cumulative descent

## Lap Summary



- ① Number of Laps

## Segment Summary



- ① Segment repeats

## Viewing Activity Records

You can view recorded activity log data on the watch or with the CASIO WATCHES phone app.

### ● To view activity records with the CASIO WATCHES phone app

#### Check the connection

- Make sure the is shown on the watch display when you perform the procedure below. If is not displayed, refer to the information at the link below.

[Connecting with a Phone Paired With the Watch](#)

1. Tap the "CASIO WATCHES" icon.
2. Tap the "My Page" tab.
3. Scroll the screen and then tap the history of the activity whose data you want to view.

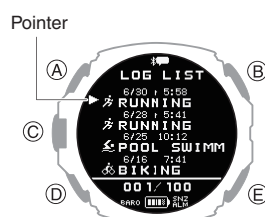
### ● To view activity records with the watch

1. Display the current time screen.  
[Watch Mode](#)
2. Use (A) and (D) to select [ACTIVITY LOG].



3. Press (C).

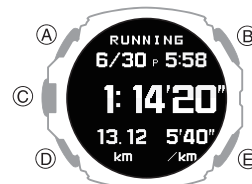
This displays the activity log list.



4. Use (A) and (D) to move the pointer to the log data record you want to view.

5. Press (C).

This displays the detailed summary screens of the selected log data.



6. Use (A) and (D) to display the summary screen you want to view.

- For details about summary screens, see the information below.  
[Viewable Activity Log Items](#)
- To view the details of individual lap data, press (C) while a lap summary or segment summary screen is displayed.

7. To return to the activity log list screen, press (E).

#### Note

- Pressing (E) during the above procedure will go back one screen.

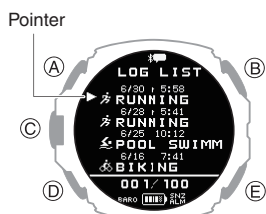
## Deleting Activity Records

### Deleting Specific Data

1. Display the current time screen.  
[Watch Mode](#)
2. Use (A) and (D) to select [ACTIVITY LOG].



3. Press (C).  
This displays the activity log list.



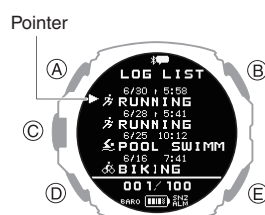
4. Use (A) and (D) to move the pointer to the data you want to delete.
5. Press (C).  
This displays the detailed summary screen of the selected log data.
6. Hold down (A) for at least two seconds.  
This displays a delete menu.
7. Use (A) and (D) to move the pointer to [YES].  
To cancel log data deletion, move the pointer to [NO].
8. Press (C).  
After the data delete operation is complete, a check mark appears for a few seconds, and then the activity log list screen re-appears.
9. Press (E) twice to return to the current time screen.

### Deleting All Activity Data

1. Display the current time screen.  
[Watch Mode](#)
2. Use (A) and (D) to select [ACTIVITY LOG].



3. Press (C).  
This displays the activity log list.



4. Hold down (A) for at least two seconds.  
This displays a delete menu.
5. Use (A) and (D) to move the pointer to [YES].  
To cancel log data deletion, move the pointer to [NO].
6. Press (C).  
After the data delete operation is complete, a check mark appears for a few seconds, and then [NO DATA] appears.
7. Press (E) twice to return to the current time screen.

## Viewing Your Training Performance Condition

You can use your watch to measure your heart rate, running speed, and altitude, and display your cardio load status.

### Important!

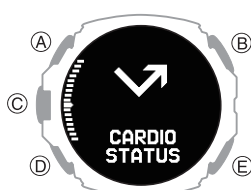
- To measure your cardio load status, you need to measure your heart rate and set up your profile.  
[Using Heart Rate Measurement](#)  
[Creating Your Profile](#)
- Activities with POOL SWIMMING and OPEN WATER SWIMMING are not reflected in your cardio load status.
- If the heart rate measurement setting is turned off for activities other than POOL SWIMMING and OPEN WATER SWIMMING, your activities are not reflected in your cardio load status.

## Viewing Your Cardio Load Status

The cardio load status compares your load (STRAIN) with your endurance (TOLERANCE) to see how your training is affecting your body. You can control your total training volume in the short and long term by checking your cardio load status.

\* Cardio Load Status (Cardio Load Status)  
Powered by Polar

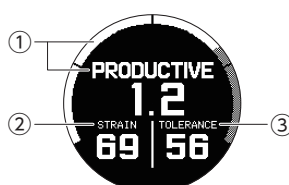
1. Display the current time screen.  
[Watch Mode](#)
2. Use (A) and (D) to select [CARDIO STATUS].



3. Press (C).

This displays the cardio load status screen.

- The message [NO DATA] appears if there is no data available.



### ① Cardio load status

|                |                                                                                                                                                                                                                                                                           |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [DETRAINING]   | <ul style="list-style-type: none"> <li>• &lt; 0.8<br/>Training at a load that is less than recommended has continued for one week or longer, which is affecting your fitness level. Correct by increasing your training load.</li> </ul>                                  |
| [MAINTAINING]  | <ul style="list-style-type: none"> <li>• 0.8 to 1.0<br/>Training load suitable for maintaining your fitness level. For better effect, try other types of training or increase the training volume.</li> </ul>                                                             |
| [PRODUCTIVE]   | <ul style="list-style-type: none"> <li>• 1.0 to 1.3<br/>Maintain this status. The training load is either laying a foundation for fitness or guiding you in the right direction for fitness. To maintain this status, schedule recovery time between training.</li> </ul> |
| [OVERREACHING] | <ul style="list-style-type: none"> <li>• &gt; 1.3<br/>This status has a high training load, which is counterproductive. Rest is required. Create recovery time by including low-load training.</li> </ul>                                                                 |

- The displayed value is calculated by dividing the strain by the tolerance.

### ② Strain

Shows the load of your most recent training.

This value shows the average daily load for the past seven days.

### ③ Tolerance

Shows how ready you are to endure cardio-strength training.

This value shows the average daily load for the past 28 days.

4. Press (E) twice to return to the current time screen.

### Note

- At least three days of activity measurements within the past 28 days are required to display your cardio load status.
- Your cardio load status is updated after you activate the heart rate measurement and perform an activity measurement, or every day at midnight (12:00 am).

## Using Nightly Recharge™ to Check Your Recovery Status

With Nightly Recharge™, you can check how much you have recovered from the load placed on your body during the day.

The Nightly Recharge™ status is based on two factors: Sleep Charge (the quality of your sleep) and ANS Charge (how calm your autonomic nervous system is during the early hours of your sleep).

\* Nightly Recharge™  
Powered by Polar



### Important!

- Wearing the watch for long periods, sweat, or certain usage environments create the risk of skin rash. To prevent skin problems, regularly remove your watch from your wrist to give your skin some time to rest.

## Checking Nightly Recharge™ Status

- Display the current time screen.  
[Watch Mode](#)
- Use (A) and (D) to select [NIGHTLY RECHARGE].

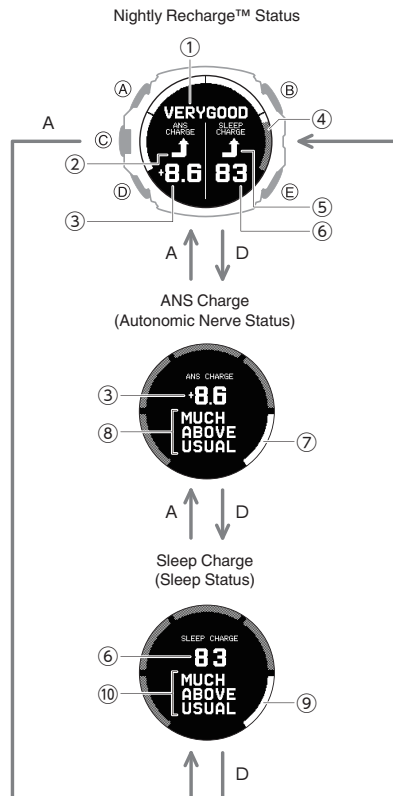


- Press (C).

This displays the Nightly Recharge™ status summary screen.

- The message [NO DATA] appears if there is no data available.

Each press of (A) or (D) cycles between screens as described below.



- Nightly Recharge™ Status
- Status Icons (ANS Charge)
- ANS Charge Score
- Indicator level
- Status Icons (Sleep Charge)
- Sleep Charge Score
- Autonomic nerve status
- ANS Charge Status
- Sleep status
- Sleep Charge Status

### Note

- In the following situations, sleep data cannot be acquired, so [NO DATA] is shown on the display, or the accuracy of sleep analysis may be decreased.
  - Sleep (from bedtime to wake up) of less than 4 hours
  - Constantly moving or barely moving during sleep
  - Wearing the watch only while asleep and taking it off immediately after awaking
- Nightly Recharge™ can be used when the conditions below are satisfied.
  - Heart rate measurement is set to [ON] or [ACTIVITY & NIGHT TIME ON], enabling continuous heart rate measurement.  
[Using Heart Rate Measurement](#)
  - With [ACTIVITY & NIGHT TIME ON], sleep measurement starts from the time set for NIGHT TIME. For the NIGHT TIME time setting, specify your normal sleep time (bedtime and wake-up time).
  - The watch is firmly attached to your wrist when you go to bed.
  - At least three sleep measurements in the past 28 days (one of which was the night before)
- To improve sleep analysis accuracy, it may take about one to two hours after you wake up for measurement results to be displayed on the watch.

### ● To interpret a status






#### Nightly Recharge™ Status

|               |             |
|---------------|-------------|
| [VERY GOOD]   | Very Good   |
| [GOOD]        | Good        |
| [OK]          | OK          |
| [COMPROMISED] | Compromised |
| [POOR]        | Poor        |
| [VERY POOR]   | Very Poor   |

## ANS Charge (Autonomic Nerve Status)

This function quantifies to how much your autonomic nerve system calms down during the night.

Score range: -10 to 10






| Score       |                                                                                   | Status                                |
|-------------|-----------------------------------------------------------------------------------|---------------------------------------|
| -6 or below |  | [MUCH BELOW USUAL] (Much Below Usual) |
| -6 to -2    |  | [BELOW USUAL] (Below Usual)           |
| -2 to 2     |  | [USUAL] (Usual)                       |
| 2 to 6      |  | [ABOVE USUAL] (Above Usual)           |
| 6 or above  |  | [MUCH ABOVE USUAL] (Much Above Usual) |

## Sleep Charge (Sleep Status)

This function evaluates and quantifies your sleep time and sleep status.

Your score and index are determined by comparing the previous night's sleep to your average score for the previous 28 days.

Score range: 1 to 100

| Score                   |                                                                                     | Status                                |
|-------------------------|-------------------------------------------------------------------------------------|---------------------------------------|
| -10 or less of average  |  | [MUCH BELOW USUAL] (Much Below Usual) |
| -3.33 to -10 of average |  | [BELOW USUAL] (Below Usual)           |
| ± 3.33 of average       |  | [USUAL] (Usual)                       |
| +3.33 to +10 of average |  | [ABOVE USUAL] (Above Usual)           |
| +10 or more of average  |  | [MUCH ABOVE USUAL] (Much Above Usual) |

## Breathing Exercises

The breathing exercise function provides guidance for deep breathing exercises. The guidance teaches you how to breathe slowly and at a stable rhythm.

Breathing exercises help you relax your body and mind, and deal with stress.


\* Breathing Exercise (Breathing Exercise)  
Powered by Polar



## Setting a Breathing Exercise Duration

Use this procedure to set the duration (in minutes) of the breathing exercise.

Setting range: 02'00" to 20'00"

1. Display the current time screen.  
 [Watch Mode](#)
2. Use (A) and (D) to select [BREATHING EXERCISE].



3. Press (C).

This displays the breathing exercise reset screen.



4. Hold down (A) for at least two seconds.

This displays the breathing exercise duration setting screen.



5. Use (A) and (D) to change the duration (minute) setting.
  - You can set a time from 2 to 20 minutes in 1-minute increments.
6. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the breathing exercise reset screen re-appears.

### Note

- While the setting is being configured, the watch will exit the setting operation automatically after about two or three minutes of non-operation.



## Measuring a Breathing Exercise

During your breathing exercise, the watch measures the time you spend in the calm zone (the time you spend breathing slowly so your breathing rhythm and your heart are in sync with each other).

Keep your arms still during breathing exercise measurement.

1. Display the current time screen.

Watch Mode

2. Use (A) and (D) to select [BREATHING EXERCISE].



3. Press (C).

This displays the breathing exercise reset screen.



4. Sit or lie down.

Relax your arm and adjust your posture so you can keep your hand still.

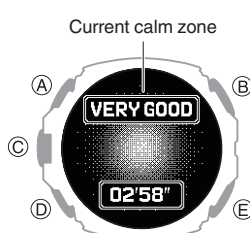
5. Press (C).

This displays the breathing exercise preparation screen.



After the preparation is completed, the watch starts breathing exercise measurement.

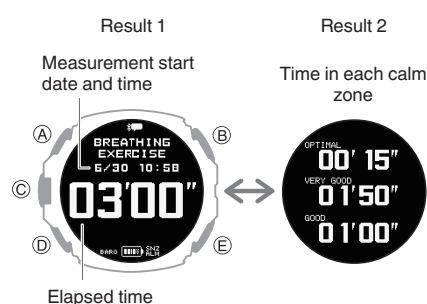
6. Breathe slowly (inhale and exhale) according to the animation.



| Calm zone    | Meaning                |
|--------------|------------------------|
| (No display) | Good zone not reached. |
| [GOOD]       | Good                   |
| [VERY GOOD]  | Very Good              |
| [OPTIMAL]    | Optimal                |

After the measurement operation is complete, the watch displays the result.

- Each press of (A) or (D) switches between result screens.



### Note

- To reach the [OPTIMAL] zone, maintain a pace of six breaths (inhale, exhale) per minute.
- [ERROR] appears on the display if you remove the watch from your wrist while the preparation screen is displayed or if a stable signal cannot be obtained.

## Smart Alarm

The smart alarm uses the watch's accelerometer and heart rate sensor to estimate your sleep state and notify you by a 10-second sound or vibration operation when your sleep is light during a specified period.

For example, if you set an alarm time of 7:30 and a smart period of 60 minutes, the alarm alerts you to a good time to awake between the hours of 6:30 and 7:30.

### Important!

- Make sure you leave the watch affixed to your wrist when using the smart alarm.



## Note



- To use the smart alarm, select [ON] or [ACTIVITY & NIGHT TIME ON] for heart rate measurement to enable continuous heart rate measurement. When [OFF] is selected for heart rate measurement, the smart alarm functions as a normal alarm.  
[Using Heart Rate Measurement](#)
- Note that no guarantees how you will feel when you wake up by the smart alarm. Depending on your physical makeup and condition, the watch may not be able to determine your sleep state accurately.
- The smart alarm is a function that helps you wake up. It does not improve your sleep quality. To improve your sleep quality, you need to adjust your life rhythm and ensure you get enough sleep.
- Sleeping for shorter periods can cause sleep status measurement to be less accurate.
- Your sleep state cannot be determined if your sleep time, excluding the alarm time, is less than two hours. The watch performs a sound and/or vibration operation when the alarm time is reached.
- You can enable or disable sound and vibration alert as required.  
[Configuring Sound and Vibration Settings](#)
- Sound and vibration alert is not performed while the battery indicator is "CHG" or lower.
- For information about using an alarm for a purpose other than waking up, see the information below.  
[Alarm](#)

## Configuring Smart Alarm Settings

Use the CASIO WATCHES phone app or watch operations to configure smart alarm settings.

### ● To configure smart alarm settings with the CASIO WATCHES phone app

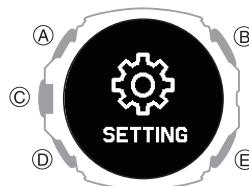
#### Check the connection

- Make sure the  symbol is shown on the watch display when you perform the procedure below. If  is not displayed, refer to the information at the link below.  
[Connecting with a Phone Paired With the Watch](#)

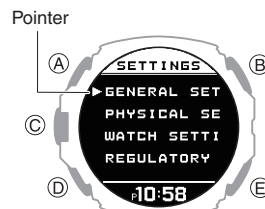
- Tap the "CASIO WATCHES" icon.
- Tap the "My Watch" tab.
- Select "GPR-H1000" and tap it.
- Select the setting you want to change and then perform the operation shown on the screen.

### ● To configure smart alarm settings with the watch

- Display the current time screen.  
[Watch Mode](#)
- Hold down (A) for at least two seconds.  
This enters the Control Mode.
- Use (A) and (D) to select [SETTING].



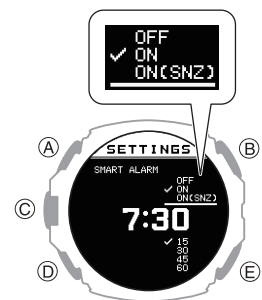
- Press (C).  
This displays the setting menu screen.



- Use (A) and (D) to move the pointer to [WATCH SETTINGS].
- Press (C).  
This displays the watch setting screen.
- Use (A) and (D) to move the pointer to [SMART ALARM].
- Press (C).
- Use (A) and (D) to select the smart alarm and snooze function ON/OFF setting you want.

|            |                                       |
|------------|---------------------------------------|
| [OFF]      | Disables smart alarm, disables snooze |
| [ON]       | Enables smart alarm, disables snooze  |
| [ON (SNZ)] | Enables smart alarm, enables snooze   |

- The snooze function on/off setting you configure is for the smart alarm only.
- The currently selected setting is indicated by a check mark (✓) to the left.

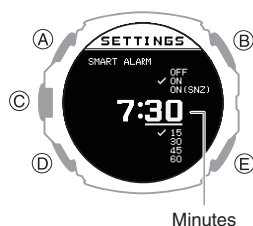


- Press (C).
- Use (A) and (D) to set the alarm time hour.



- Press (C).  
This causes the cursor to move to the minute setting of the time.

13. Use (A) and (D) to set the alarm time minute.



14. Press (C).

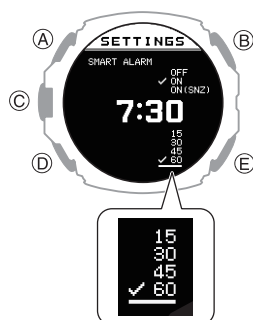
This moves the cursor to the smart period setting.

- A smart alarm sounds when the watch determines you are lightly asleep during the smart period.

15. Use (A) and (D) to specify a smart period setting.

|      |                                                  |
|------|--------------------------------------------------|
| [15] | From 15 minutes before alarm time, to alarm time |
| [30] | From 30 minutes before alarm time, to alarm time |
| [45] | From 45 minutes before alarm time, to alarm time |
| [60] | From 60 minutes before alarm time, to alarm time |

- The currently selected setting is indicated by a check mark (✓) to the left.



## Note

- The shorter the smart time period, the higher the probability that the alarm will sound at the alarm time.

16. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the watch setting screen reappears.

- You can view the setting time of the smart alarm and whether the smart alarm setting and snooze setting are on or off.

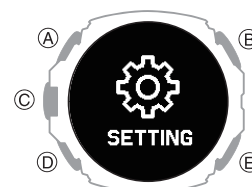
17. Hold down (E) for at least one second to return to the current time screen.

## Note

- If you do not perform any operation for two or three minutes while the smart alarm setting screen is displayed, the watch automatically returns to the current time screen.

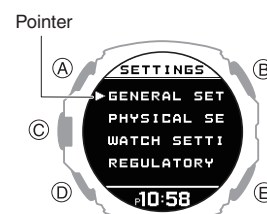
## Turning Off Smart Alarm

- Display the current time screen.  
[Watch Mode](#)
- Hold down (A) for at least two seconds.  
This enters the Control Mode.
- Use (A) and (D) to select [SETTING].



4. Press (C).

This displays the setting menu screen.



5. Use (A) and (D) to move the pointer to [WATCH SETTINGS].

6. Press (C).

This displays the watch setting screen.

7. Use (A) and (D) to move the pointer to [SMART ALARM].

8. Press (C).

9. Use (A) and (D) to select [OFF].

10. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the watch setting screen reappears.

11. Hold down (E) for at least one second to return to the current time screen.

## Note

- If you do not perform any operation for two or three minutes while the smart alarm setting screen is displayed, the watch automatically returns to the current time screen.

## Measuring Your Heart Rate

While wearing the watch on your wrist, you can use it to perform approximate measurement of your heart rate.

You can use heart rate measurements to monitor your daily health and to make your training more effective.



### Important!

- For more accurate measurement results, configure your profile settings before using the heart rate measurement function.

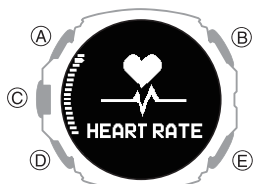
[Creating Your Profile](#)

- Be sure to affix the watch to your wrist before starting a heart rate measurement operation. Starting a measurement operation and then affixing the watch to your wrist may make correct measurement impossible.

## Checking Your Current Heart Rate

The HEART RATE (heart rate measurement) function lets you check your current heart rate.

- Display the current time screen.  
[Watch Mode](#)
- Use (A) and (D) to select [HEART RATE].

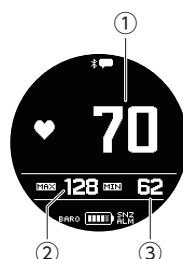


- Press (C).

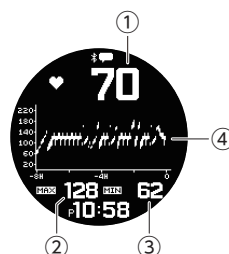
This displays the current heart rate screen.

- Each press of (A) or (D) toggles between the value screen and graph screen.

### Value Screen



### With heart rate graph



- Current heart rate
- Maximum heart rate  
Current day's high heart rate
- Minimum heart rate  
Current day's low heart rate

- Heart rate graph

- The heart rate graph shows data for up to eight hours.
- One division of the heart rate graph shows the range of maximum and minimum values measured over four minutes.

### Note

- If you do not perform any operation for about one hour while using the HEART RATE (heart rate measurement) function, the watch will return to the current time screen.

## Using Heart Rate Measurement

During heart rate measurement, your current heart rate is shown on other screens besides the HEART RATE (heart rate measurement) function screen.

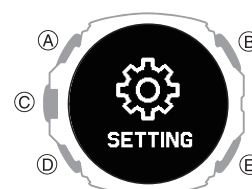
- For more accurate display values, create your profile before using heart rate measurement.

[Creating Your Profile](#)

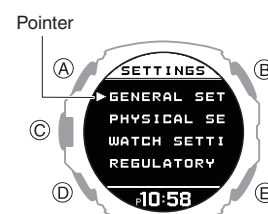
### To enable or disable heart rate measurement

While heart rate measurement is enabled, the watch displays your current heart rate.

- Display the current time screen.  
[Watch Mode](#)
- Hold down (A) for at least two seconds.  
This enters the Control Mode.
- Use (A) and (D) to select [SETTING].



- Press (C).  
This displays the setting menu screen.

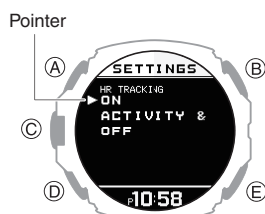


- Use (A) and (D) to move the pointer to [GENERAL SETTINGS].
- Press (C).

7. Use (A) and (D) to move the pointer to [HR TRACKING].

8. Press (C).

This displays the heart rate measurement enable/disable screen.



9. Use (A) and (D) to select ON/OFF setting.

|                            |                                                                                                  |
|----------------------------|--------------------------------------------------------------------------------------------------|
| [ON]                       | Enables heart rate measurement                                                                   |
| [ACTIVITY & NIGHT TIME ON] | Enables heart rate measurement during activity measurement, within the specified night time only |
| [OFF]                      | Disables heart rate measurement                                                                  |

10. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the GENERAL SETTINGS screen re-appears.

11. Hold down (E) for at least one second to return to the current time screen.

## Note

- Even if heart rate measurement is set to [OFF], your heart rate is displayed by the HEART RATE (heart rate measurement) function.
- Available functions and battery consumption depend on the heart rate measurement settings. Configure settings to suit your specific needs.
  - [ON]: Enables full use of the functions of your watch: heart rate measurement during the day, accurate calories burned measurement and sleep measurement at night. Battery consumption is high with this setting.
  - [ACTIVITY & NIGHT TIME ON]: Performs measurement during activities and at night (Sleep Measurement) only. Heart rate measurement during the daytime and other functions are limited. Battery consumption is moderate with this setting. For information about configuring night time settings, see the information below.
    - [Specifying the Night Time](#)
  - [OFF]: Heart rate measurement is not performed with this setting. Accurate calories burned measurement, sleep, running index, cardio load, and other functions are limited. Battery consumption is low with this setting.

## Heart Rate Measurement Precautions

### Heart Rate Measurement Functions

- The back cover of the watch has a built-in sensor that detects your pulse. This is used to calculate and display an approximate heart rate value. The factors below can cause error in the displayed heart rate value.

- How the watch is affixed to the wrist
- Individual wrist characteristics and condition
- Training type and/or intensity
- Sweat, dirt, and/or other foreign matter around the sensor

All of this means that heart rate values displayed by the watch are approximate, and no guarantees are made concerning their accuracy.

- The conditions below may make accurate pulse detection impossible.
  - Exercising in a low-temperature environment or under other conditions that reduce blood flow
  - Arm tattoos
  - Use of sunblock cream or lotion, insect repellent, etc.
- The heart rate measurement function of this watch is intended for recreational purposes, and should not be used in any way for medical purposes.
- Heart rate measurement is automatically disabled when the battery level indicator shows **LOW** or lower.

## Movements that Affect Heart Rate Measurement

- Activities that involve vigorous movement of the arms only or other certain movements\* may affect heart rate measurement and cause errors in the heart rate data displayed by the watch.

\* Activities involving vigorous wrist movements or wrist rolling such as playing a percussion instrument, tennis, etc.

## Warming Up Before Training

- Weak blood circulation due to low temperatures or cold hands may affect heart rate measurement.
- When performing training that involves heart rate measurement, make sure to warm up appropriately.

## Measurement while [ON] is selected for the heart rate measurement setting

While [ON] is selected for the heart rate measurement setting, your heart rate is measured intermittently (every two minutes). If the watch determines that you are performing some activity (based on behavior analysis by the acceleration sensor), heart rate measurement will be performed continuously (every second).

## Blood Oxygen Level Measurement

Your watch can measure your blood oxygen level.

A normal blood oxygen level is said to be 95% to 100%, but this varies depending on your activity level and physical condition.

### Note

- Note that values displayed by this watch are for reference only. Should you feel any abnormalities, consult with your doctor immediately.

### Important!

- Before starting a blood oxygen level operation, be sure to affix this watch to your wrist. Starting a measurement operation and then affixing the watch to your wrist may make correct measurement impossible.
- The blood oxygen level measurement function is not intended as a medical device for diagnosing specific diseases. It is intended for general health maintenance only.

## Measuring Your Blood Oxygen Level

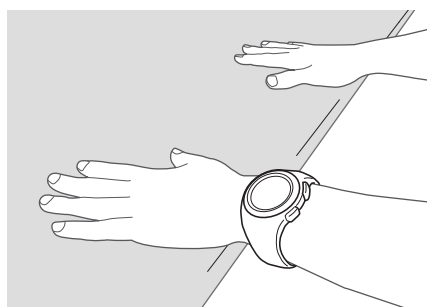
### Important!

- It may not be possible to obtain blood oxygen level measurement results if you are in a cold location and your wrist is cold. Warm your wrist before attempting measurement.
- If measurement at the same location on your wrist fails continuously or if measured values fluctuate widely, change the location on your wrist where you are wearing the watch. You can also try moving the watch to your opposite wrist for measurement.
- Take several measurements under identical conditions, moving the watch around your wrist. Find the wrist location where measurement is most stable.
- Do not take measurements immediately after exercising. Wait until your breathing stabilizes.
- During measurement, keep your arm still and do not move it.
- During measurement, refrain from talking and do not hold your breath.



1. While seated, place your arm on a table or some other flat surface.

2. Keep your elbow and wrist as unbent and straight as possible.

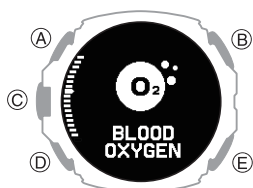


3. Make sure the band is not contact with the surface below your arm and not pressed against your wrist.

4. Display the current time screen.

[Watch Mode](#)

5. Use (A) and (D) to select [BLOOD OXYGEN].



6. Press (C).

This displays the blood oxygen level measurement screen.



7. Press (C).

Start blood oxygen level measurement.



The measurement result is displayed after a blood oxygen level measurement operation is complete.



8. Hold down (E) for at least one second to return to the current time screen.

## Note

- The message [ERROR] appears on the display if a blood oxygen level measurement error occurs.
- The message [- - %] appears on the display if the measured value is outside the allowable measurement range.
- The watch automatically returns to the current time screen if you do not perform any operation for about one hour while using the blood oxygen level measurement function.

## Viewing Life Log Data

Life Log lets you view the information below.

- Step count target value and daily target achievement rate
- Step count

## Viewing Life Log Data

- To view lifelog related data with the CASIO WATCHES phone app

You can use the CASIO WATCHES phone app to view data measured by the watch.

### Check the connection

- Make sure the symbol is shown on the watch display when you perform the procedure below. If is not displayed, refer to the information at the link below.  
 [Connecting with a Phone Paired With the Watch](#)

1. Tap the "CASIO WATCHES" icon.

2. Tap the "My Page" tab.

3. Tap the "LIFE LOG" widget.

Open the LIFE LOG page and check the details.

### Note

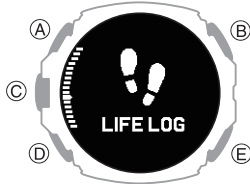
- You can also use the CASIO WATCHES phone app to specify a daily step target.  
 [Specifying a Daily Step Count Target](#)

## ● To view lifelog related data with the watch

1. Display the current time screen.

[Watch Mode](#)

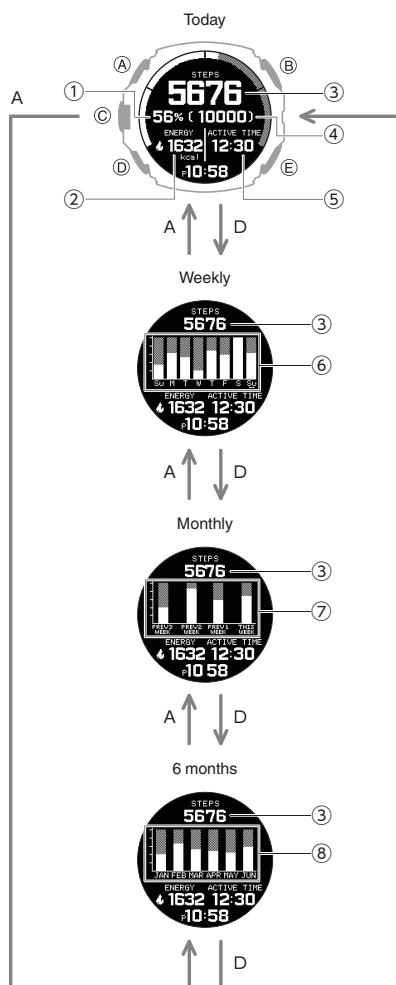
2. Use (A) and (D) to select [LIFE LOG].



3. Press (C).

This displays the Life Log data summary screen.

4. Use (A) and (D) to select the screen you want to view.



- ① Step count target achievement
  - ② Current day's burned calories
  - ③ Today's step count
  - ④ Target value
  - ⑤ Current day's active time
  - ⑥ Daily step count target achievement rate
  - ⑦ Weekly step count target achievement rate
  - ⑧ Monthly step count target achievement rate
5. Press (E) twice to return to the current time screen.

### Note

- If you do not perform any operation for two or three minutes while the Life Log screen is displayed, the watch automatically returns to the current time screen.

### Active Time

Your watch analyzes the measurement values of the acceleration sensor to determine whether you are walking, running, biking or performing another activity, or standing still. Your active time is the total time you spend walking, running, biking, or doing other activities during the day. When you are not measuring your heart rate, calorie consumption is also calculated based on behavior analysis.

## Compass Reading

You can use the compass function to determine the direction of north, and to check your bearing to a destination.

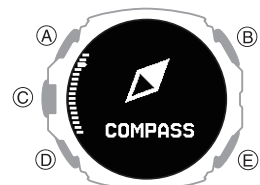


### Important!

- Check the information at the link below to find out how to ensure correct readings.
  - [Calibrating Compass Readings](#)
  - [Digital Compass Reading Precautions](#)

## Taking a Compass Reading

1. Display the current time screen.
- [Watch Mode](#)
2. Use (A) and (D) to select [COMPASS].



3. Press (C).

This displays [ ∞ ] in the bearing display area.

4. Move your arm in a figure eight.

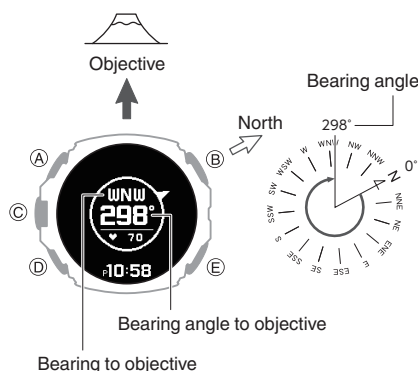
This normally causes [ ∞ ] to disappear and starts compass measurement.

- If [ ∞ ] does not disappear, perform bearing calibration.
  - [Calibrating Compass Readings](#)

5. Keeping the watch level, point 12 o'clock in the direction of your desired objective.

- North is indicated by ▲. The bearing and bearing angle to your objective will also appear on the display.
- To retrigger the compass operation, press (C).

## Interpreting Bearing Readings



Directions: N (North), E (East), W (West), S (South)

## Note

- Normally the compass indicates magnetic north. You can also configure settings to indicate true north.
  - ◉ [Setting Up for True North Readings \(Magnetic Declination Calibration\)](#)
  - ◉ [Magnetic North and True North](#)
- After the initial reading is displayed, the watch continues to take readings about every second for about 60 minutes.
- The watch automatically returns to the current time screen if you do not perform any operation for about one hour during direction reading.

## Aligning a Map with Actual Surroundings (Setting a Map)

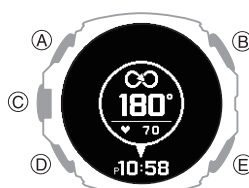
Setting a map means to align the map so the directions indicated on it are aligned with the actual directions of your location. Once you set a map, you can more easily get a grasp of the relationship between map markings and actual geographic contours. To set a map with this watch, align north on the map with the north indication of the watch. Once you set the map, you can compare your bearing on the map with your surroundings, which will help you determine your current location and destination.

- Note that map reading skills and experience are required to determine your current location and destination on a map.

## Calibrating the Compass

Your watch constantly performs direction correction with the Watch Mode compass function and in the Activity Mode.

If [∞] is displayed in the direction display area, move your arm in a figure eight.



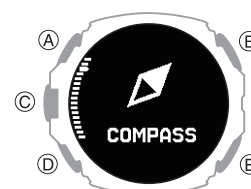
If [∞] is still displayed, follow the steps below to perform direction correction.

## Calibrating Compass Readings

In order to ensure that the watch is performing direction measurements correctly, be sure to perform figure 8 calibration whenever the measurement results produced by the watch are different from readings produced by another compass. You should also perform figure 8 calibration before setting out on a climb.

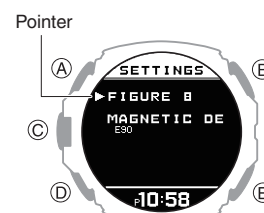
- Note that accurate compass readings and/or calibration will not be possible in an area where strong magnetism is present.
  - ◉ [Digital Compass Reading Precautions](#)

1. Display the current time screen.
  - ◉ [Watch Mode](#)
2. Use (A) and (D) to select [COMPASS].



3. Press (C).
4. Hold down (A) for at least two seconds.
 

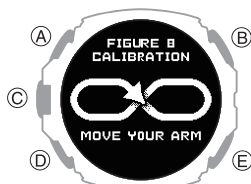
This displays the direction measurement setting screen.



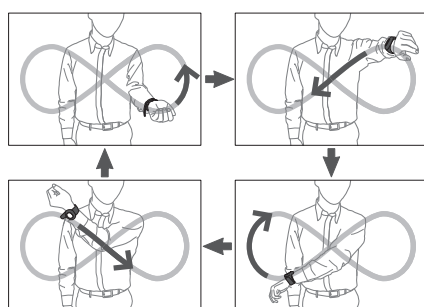
- Use (A) and (D) to move the pointer to [FIGURE 8].

- Press (C).

This displays the figure 8 calibration screen.



When the screen shown above appears, move your arm in a figure 8 pattern as shown in the illustrations below.



- Allow your wrist to twist.
- Keep your arm as far as possible from your body as you move it.
- After calibration is successful, a check mark appears for a few seconds, and then the setting screen re-appears.

## Note

- The message [FAILED RETRY?] appears on the display if calibration fails. Press (A) or (D) to select [YES] (Re-calibrate) or [NO] (Stop calibration), and then press (C).
- To return to the direction measurement setting screen during the above procedure, press (E).

## Setting Up for True North Readings (Magnetic Declination Calibration)

If you want the watch to indicate true north instead of magnetic north, you need to specify your current location's magnetic declination direction (east or west) and declination angle.

### Magnetic North and True North

- The magnetic declination angle value can be set in 1° (degree) units only. Use a value that is closest to the angle you want to set. Example: For an angle of 7.4°, set 7°. Example: For an angle of 7°40' (7 degrees, 40 minutes), set 8°.

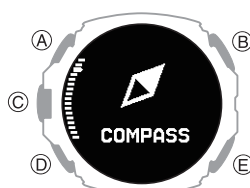
## Note

- Magnetic declination angles (east or west) and angle degree values for specific locations can be found on geographic maps, mountain climbing maps, and other maps that include contour lines.

- Display the current time screen.

### Watch Mode

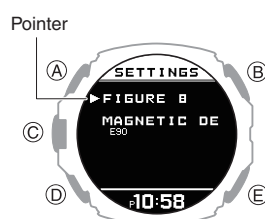
- Use (A) and (D) to select [COMPASS].



- Press (C).

- Hold down (A) for at least two seconds.

This displays the direction measurement setting screen.



- Use (A) and (D) to move the pointer to [MAGNETIC DECLINATION].

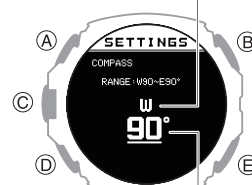
- Press (C).

- Press (A) (West) or (D) (East) to change the magnetic declination direction and angle.

Setting range: 90° west to 90° east

|            |                                                      |
|------------|------------------------------------------------------|
| [0° (OFF)] | Magnetic north                                       |
| [E]        | Magnetic north east of true north (East declination) |
| [W]        | Magnetic north west of true north (West declination) |

Magnetic declination direction



Magnetic declination angle

- To stop the setting operation, press (E) and advance to step 9.

- Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the bearing measurement setting screen re-appears.

- Hold down (E) for at least one second to return to the current time screen.

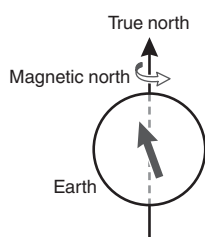
## Magnetic North and True North

There are actually two types of north: magnetic north and true north.

Magnetic north: North indicated by the needle of a compass

True north: Direction to the North Pole

As shown in the illustration below, magnetic north and true north are not the same.



### Note

- The north indicated on commercially available maps is normally true north.

## Digital Compass Reading Precautions

### Location During Use

Taking readings near sources of strong magnetism can cause reading error. Keep the watch away from the following types of items.

Permanent magnets (magnetic accessories, etc.), metal objects, high-voltage wires, aerial wires, electrical household appliances (TVs, computers, cellphones, etc.)

- Note that correct direction readings are not possible indoors, especially inside of reinforced concrete structures.
- Accurate direction readings are not possible on electric trains, on boats, on aircraft, etc.

### Storage Location

Exposure of the watch to magnetism can affect the accuracy of digital compass readings. Keep the watch away from the types of items below.

Permanent magnets (magnetic accessories, etc.), metal objects, electrical household appliances (TVs, computers, cellphones, etc.)

## Altitude Measurement

The watch takes altitude readings and displays results based on air pressure measurements taken by a built-in pressure sensor.



### Important!

- The altitude readings displayed by the watch are relative values that are calculated based on barometric pressure measured by the watch's pressure sensor. This means that barometric pressure changes due to weather can cause altitude readings taken at the same location to be different. Also note that the value displayed by the watch may be different from the actual elevation and/or sea level elevation indicated for the area where you are located. When using the watch's altimeter while mountain climbing, it is recommended that you regularly calibrate its readings in accordance with local altitude (elevation) indications.

[Calibrating Altitude Readings](#)

- The altitude correction value you specify and/or barometric pressure changes may cause a negative value to be displayed.
- Check the information at the link below to find out about how to minimize differences between readings produced by the watch, and values provided by local altitude (elevation) indications.

[Altitude Reading Precautions](#)

## Checking the Current Altitude

- Display the current time screen.  
[Watch Mode](#)
- Use (A) and (D) to select [ALTIMETER].

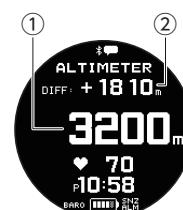


- Press (C).

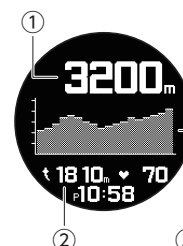
This displays the altitude for your current location.

- Each press of (A) or (D) toggles between the value display and graph display.

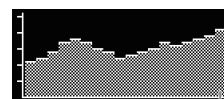
### Value Screen



### Graph Screen



- Current location altitude
- Differential between reference altitude and current altitude
- Altitude graph



Current reading

- The watch takes altitude readings every second for about the first three minutes. After that, it takes readings according to the watch's auto measurement interval setting.
- Check the information at the link below to find out how to configure the auto measurement interval.  
[Setting the Auto Measurement Interval](#)
- To retrigger measurement, press (C).
- To return to the current time screen, hold down (E) for at least one second.

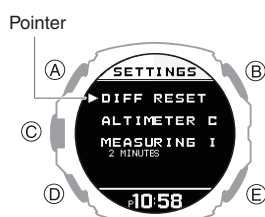
## Note

- Measurement range: -10,000 m to 10,000 m (-32,800 to 32,800 feet) (Measurement unit: 1 meter (5 feet))  
Note that calibrating altitude readings will cause a change in the measurement range.
- [----] appears for the measured value if it is outside the allowable range.

## Setting a Reference Altitude and Taking Altitude Differential Readings

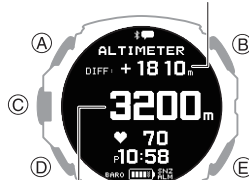
You can use the procedure below to display the differential between a reference altitude and another altitude. This makes it easy to measure the altitude differential between two points while climbing or trekking.

1. Use the contour lines on your map to determine the altitude differential between your current location and your destination.
2. Take an altitude reading of your current location.  
[Checking the Current Altitude](#)
3. Hold down (A) for at least two seconds.  
This displays the altitude measurement setting screen.



4. Use (A) and (D) to move the pointer to [DIFF RESET].
5. Use (C) to set your current location's altitude as the reference altitude.  
After the setting operation is complete, a check mark appears for a few seconds, and then the altitude measurement setting screen re-appears.
6. Press (E).  
This returns to the altitude measurement screen.
7. While comparing the difference between the altitude you found on the map and the altitude differential displayed by the watch, advance towards your destination.

Altitude differential indicator



Current location altitude

- When the altitude differential you found on the map is the same as that displayed by the watch, it means you are close to your destination.

## Note

- [----] is displayed when a reading is outside the allowable altitude measurement range ( $\pm 3,000$  m ( $\pm 9,840$  feet)) or if a measurement error occurs.

## Calibrating Altitude Readings

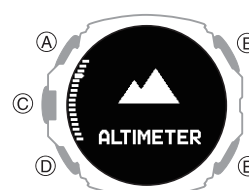
To minimize the difference between locally indicated and measured values, you should update the reference altitude value before setting off on and during treks or any other activities where you take altitude readings.

Also, you can ensure accurate measurements by checking a map local altitude indications or some other source for your current location's altitude, and regularly calibrating watch readings with the latest information while mountain climbing.

## Note

- You can find out the altitude at your current location from signs, maps, on the Internet, etc.
- Differences between actual altitude and watch readings can be caused by the factors below.
  - Changes in barometric pressure
  - Changes in temperature caused by variations in barometric pressure and by elevation
- Though altitude readings can be taken without calibration, doing so may produce readings that are very different from indications by altitude markers, etc.

1. Display the current time screen.  
[Watch Mode](#)
2. Use (A) and (D) to select [ALTIMETER].

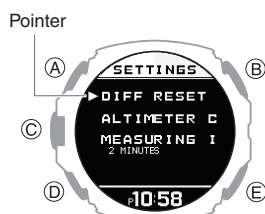


3. Press (C).



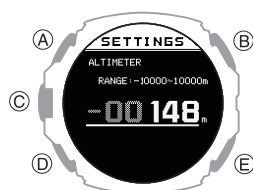
- Hold down (A) for at least two seconds.

This displays the altitude measurement setting screen.



- Use (A) and (D) to move the pointer to [ALTIMETER CALIBRATION].
- Press (C).
- Use (A) and (D) to move the pointer to [MANUAL].
  - To return the altitude setting to its initial factory default value, select [OFFSET OFF].
- Press (C).
 

This displays the manual correction screen.
- Use (A) and (D) to input the altitude at your current location.



- Press (C) to complete the setting operation.
 

After the setting operation is complete, a check mark appears for a few seconds, and then the altitude measurement setting screen re-appears.
- Press (E) to exit the setting screen.

## Setting the Auto Measurement Interval

You can select an auto measurement interval of either five seconds or two minutes.

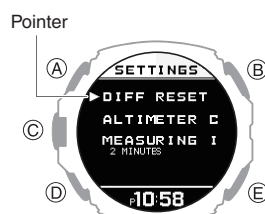
- Display the current time screen.
 

[Watch Mode](#)
- Use (A) and (D) to select [ALTIMETER].



- Press (C).
- Hold down (A) for at least two seconds.
 

This displays the altitude measurement setting screen.



- Use (A) and (D) to move the pointer to [MEASURING INTERVAL].
- Press (C).
- Use (A) and (D) to select an auto measurement interval.

|             |                                                                                                                  |
|-------------|------------------------------------------------------------------------------------------------------------------|
| [2 MINUTES] | Readings taken every second for the first three minutes, and then every two minutes for about the next 12 hours. |
| [5 SECONDS] | Readings taken every second for the first three minutes, and then every five seconds for about one hour.         |

- Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the altitude measurement setting screen re-appears.

- Press (E) to exit the setting screen.

### Note

- The watch automatically returns to the current time screen if you do not perform any operation for about one hour during altitude measurement.

## Altitude Reading Precautions

### Effects of Temperature

When taking altitude readings, take the steps below to keep the watch at as stable a temperature as possible. Changes in temperature can affect altitude readings.

- Take readings with the watch on your wrist.
- Take readings in an area where temperature is stable.

### Altitude Readings

- Do not use this watch while skydiving, hang gliding, paragliding, gyrocopter flying, glider flying, or engaged in other activities where altitude changes suddenly.
- Altitude readings produced by this watch are not intended for special-purpose or industrial level use.
- In an aircraft, the watch measures the in-cabin pressurized air pressure, so readings will not match altitudes announced by the crew.

### Altitude Readings (Relative Altitude)

This watch uses International Standard Atmosphere (ISA) relative altitude data defined by the International Civil Aviation Organization (ICAO). Barometric pressure generally becomes lower as altitude increases.

Correct measurement may not be possible under the conditions below.

- During unstable atmospheric conditions
- During sudden temperature changes
- After the watch has been subjected to strong impact

## Measured Altitude Value Adjustment Using GPS Signal Data

If you performed a GPS signal receive operation before starting measurement of an activity that uses GPS signals for measurement, the measured altitude value will be automatically corrected when the watch receives correction information. Note, however, that this also may result in some difference between the measured value and the actual altitude.

Also note that the measured altitude value adjustment operation using GPS signal data may take a few minutes. The adjustment operation may take even longer, depending on your current environment. Regular manual adjustment of the measured altitude value using locally available information is recommended. The watch will not use GPS signal data to adjust measured altitude values for one hour after you adjust the measured altitude value manually.

## Barometric Pressure and Temperature Measurement

You can use the watch to take barometric pressure and temperature readings for your current location.

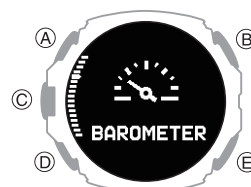


### Important!

- Check the information at the link below to find out how to ensure correct readings.  
[Barometric Pressure and Temperature Reading Precautions](#)

## Checking the Current Barometric Pressure and Temperature

1. Display the current time screen.  
[Watch Mode](#)
2. Use (A) and (D) to select [BAROMETER].

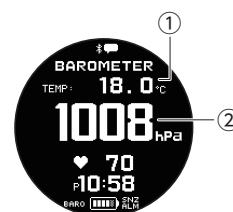


3. Press (C).

This displays the current barometric pressure and temperature.

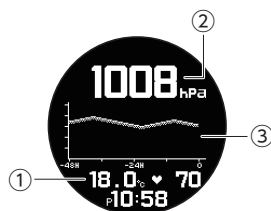
- Each press of (A) or (D) toggles between the value display and graph display.
- After you switch to barometer/temperature measurement, the watch takes readings about every five seconds for three minutes. After that, a measurement is taken about every two minutes.

### Value Screen



## Barometric Pressure Graph Screen

The graph shows barometric readings taken every two hours. You can use the graph to view changes in barometric pressure over the past 72 hours, which can be used to predict upcoming weather.



- ① Temperature
- ② Barometric pressure
- ③ Barometric pressure graph

| A trend like this: | Means this:                                                                              |
|--------------------|------------------------------------------------------------------------------------------|
|                    | Rising barometric pressure, which indicates that upcoming weather probably will be fair. |
|                    | Falling barometric pressure, which indicates that upcoming weather probably will be bad. |

### Note

- To retrigger measurement, press (C).
- The watch will automatically return to the current time screen if you do not perform any operation for about one hour during barometer/temperature measurement.
- Measurement ranges are shown below. [ - - ] will appear for the measured value if it is outside the allowable range.  
Barometric pressure measurement: 260 hPa to 1,100 hPa (7.65 inHg to 32.45 inHg)  
Thermometer measurement: -10.0 °C to 60.0 °C (14.0 °F to 140.0 °F)
- Large changes in barometric pressure and/or temperature can cause past data readings to be plotted outside of the visible area of the graph. Though plots are not visible, the data is still maintained in watch memory.

## Barometric Pressure Change Indications

Whenever the watch detects a significant change in air pressure readings (due to sudden altitude change, or to the passage of a low pressure or high pressure area), it will perform a sound and/or vibration operation and display a flashing arrow to let you know. The arrow that appears shows the direction of the pressure change. These alerts are called "Barometric Pressure Change Indications".

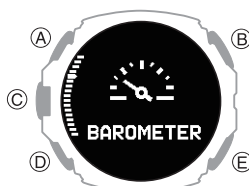
- The watch will notify you by a 10-second sound/vibration operation when there is a sudden drop in atmospheric pressure.
- A four-second sound/vibration operation will notify you when there is a sudden rise in atmospheric pressure, or the passage of high or low pressure.

| This indication: | Means this:                                    |
|------------------|------------------------------------------------|
|                  | Sudden drop in pressure                        |
|                  | Sudden rise in pressure                        |
|                  | Sustained rise in pressure, shifting to a fall |
|                  | Sustained fall in pressure, shifting to a rise |

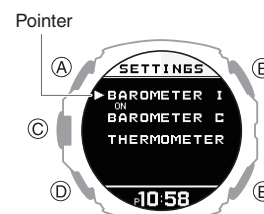
### Important!

- To ensure correct barometric pressure change indication operation, enable it in a location where the altitude is constant (such as a lodge, camp area, or on the ocean).
- A change in altitude causes a change in air pressure. Because of this, correct readings are impossible. Do not take readings while ascending or descending a mountain, etc.

- Display the current time screen.  
 [Watch Mode](#)
- Use (A) and (D) to select [BAROMETER].



- Press (C).  
This displays the current barometric pressure and temperature.
- Hold down (A) for at least two seconds.  
This displays the barometer/temperature measurement setting screen.



- Use (A) and (D) to move the pointer to [BAROMETER INFORMATION].
- Press (C).
- Use (A) and (D) to select a barometric pressure change indication setting.

|       |                                                     |
|-------|-----------------------------------------------------|
| [ON]  | Enables the barometric pressure change indication.  |
| [OFF] | Disables the barometric pressure change indication. |

- Press (C) to complete the setting operation.  
After the setting operation is complete, a check mark appears for a few seconds, and then the barometric pressure/temperature setting screen re-appears.
- Press (E) to exit the setting screen.

### Note

- If the barometric pressure change indication is enabled, readings are taken every two minutes even while the watch is performing an operation other than barometric pressure and temperature measurement.
- The barometric pressure change indication becomes disabled automatically 24 hours after it is enabled.
- Power Saving is disabled while barometric pressure change indication is enabled.  
 [Power Saving](#)
- The barometric pressure change indication will become disabled automatically when the battery becomes [CHG] or lower.

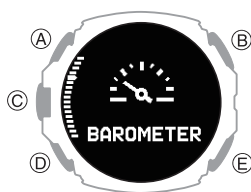
## Calibrating Barometric Pressure Readings

The watch's pressure sensor is adjusted at the factory and normally does not require calibration. However, you can calibrate the displayed value if you notice major errors in readings.

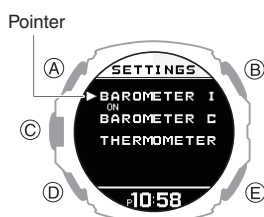
### Important!

- The watch will not be able to produce correct barometric pressure readings if you make a mistake during the calibration procedure. Check to make sure that the value you use for calibration produces correct pressure readings.

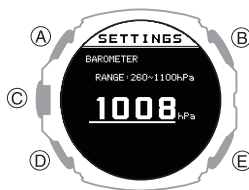
- Display the current time screen.  
 Watch Mode
- Use (A) and (D) to select [BAROMETER].



- Press (C).  
This displays the current barometric pressure and temperature.
- Hold down (A) for at least two seconds.  
This displays the barometer/temperature measurement setting screen.



- Use (A) and (D) to move the pointer to [BAROMETER CALIBRATION].
- Press (C).
- Use (A) and (D) to move the pointer to [MANUAL].
  - Selecting [OFFSET OFF] returns barometric pressure calibration to its factory default state.
- Press (C).  
This displays the manual correction screen.
- Use (A) and (D) to input the current barometric pressure.



- Press (C) to complete the setting operation.  
After the setting operation is complete, a check mark appears for a few seconds, and then the barometric pressure/temperature setting screen re-appears.
- Press (E) to exit the setting screen.

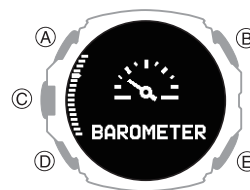
## Calibrating Temperature Readings

The watch's temperature sensor is adjusted at the factory and normally does not require calibration. However, you can calibrate the displayed value if you notice major errors in readings.

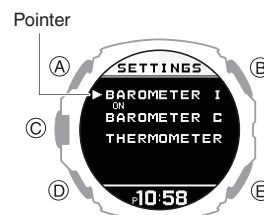
### Important!

- Check to make sure that the value you use for calibration produces correct temperature readings.
- Before calibrating the temperature reading, remove the watch from your wrist and leave it in the area where you plan to measure temperature for about 20 or 30 minutes to allow the case temperature to become the same as the air temperature.

- Display the current time screen.  
 Watch Mode
- Use (A) and (D) to select [BAROMETER].



- Press (C).  
This displays the current barometric pressure and temperature.
- Hold down (A) for at least two seconds.  
This displays the barometer/temperature measurement setting screen.



- Use (A) and (D) to move the pointer to [THERMOMETER CALIBRATION].
- Press (C).

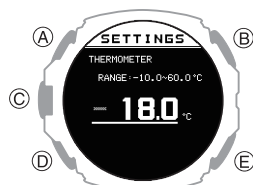
7. Use (A) and (D) to move the pointer to [MANUAL].

- Selecting [OFFSET OFF] returns barometric pressure calibration to its factory default state.

8. Press (C).

This displays the manual correction screen.

9. Use (A) and (D) to input the current temperature.



10. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the barometric pressure/temperature setting screen re-appears.

11. Press (E) to exit the setting screen.

## Barometric Pressure and Temperature Reading Precautions

### ● Barometric Pressure Reading Precautions

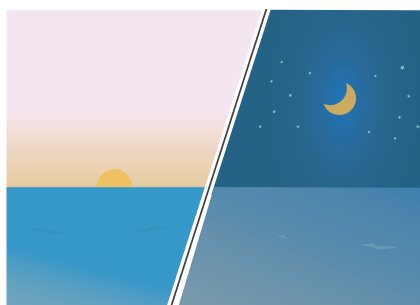
- The barometric pressure graph produced by this watch can be used to obtain an idea of upcoming weather conditions. However, this watch should not be used in place of precision instruments required for official weather prediction and reporting.
- Pressure sensor readings can be affected by sudden changes in temperature. Because of this, there may be some error in the readings produced by the watch.

### ● Temperature Reading Precautions

Body temperature, direct sunlight, and humidity all have an effect on temperature readings. To help ensure more accurate temperature readings, remove the watch from your wrist, wipe it dry of any moisture, and place it in a well-ventilated location not exposed to direct sunlight. You should be able to take temperature readings after about 20 to 30 minutes.

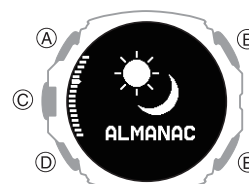
## Almanac (Sunrise and Sunset Times, and Moon Age)

You can view the sunrise/sunset times and moon age for a location acquired via smartphone connection or GPS reception, for a Home City specified manually, or for a port specified with Tide function.

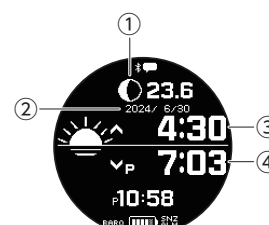


## Checking Sunrise and Sunset Times, and Moon Age

1. Display the current time screen.  
[Watch Mode](#)
2. Use (A) and (D) to select [ALMANAC].



3. Press (C).
4. Use (A) and (D) to select the day.  
This displays the sunrise and sunset times, and the Moon age.



- ① Moon Graph + Moon Age  
[Interpreting the Moon Graph and Moon Age Indicator](#)
- ② Day
- ③ Sunrise time
- ④ Sunset time

### Note

- Sunrise and sunset times are calculated internally by the watch. Calculation results may contain errors, with greater errors occurring at higher latitudes.
- [--:--] is displayed when calculation results cannot be output for some reason or in regions outside of 65.0° south to 65.0° north latitude.
- If you do not perform any operation for two or three minutes while the Almanac screen is displayed, the watch automatically returns to the current time screen.

## Interpreting the Moon Graph and Moon Age Indicator

| Moon phase    | Moon age                   | This indicator: |
|---------------|----------------------------|-----------------|
| New Moon      | 0.0 to 0.9<br>28.7 to 29.8 |                 |
|               | 1.0 to 2.7                 |                 |
|               | 2.8 to 4.6                 |                 |
|               | 4.7 to 6.4                 |                 |
| First Quarter | 6.5 to 8.3                 |                 |
|               | 8.4 to 10.1                |                 |
|               | 10.2 to 12.0               |                 |
|               | 12.1 to 13.8               |                 |
| Full Moon     | 13.9 to 15.7               |                 |
|               | 15.8 to 17.5               |                 |
|               | 17.6 to 19.4               |                 |
|               | 19.5 to 21.2               |                 |
| Last Quarter  | 21.3 to 23.1               |                 |
|               | 23.2 to 24.9               |                 |
|               | 25.0 to 26.8               |                 |
|               | 26.9 to 28.6               |                 |

- The indicators in the above table show approximate phase forms when facing south to look up at the Moon in the Northern Hemisphere.

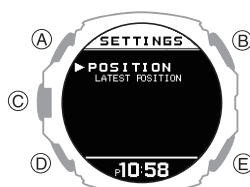
They are intended only to indicate whether the Moon's left or right side is darkened, and the Moon's actual appearance may be different. Also, in the Southern Hemisphere or near the equator, the Moon will appear in the northern sky, so the light and dark portions of the Moon will be opposite those shown by the watch's indicator.

## Specifying a Location to Look Up Its Sunrise/Sunset Times and Moon Age

- Display the current time screen.  
[Watch Mode](#)
- Use (A) and (D) to select [ALMANAC].



- Press (C).
- Hold down (A) for at least two seconds.  
This displays the almanac setting screen.



- Press (C).
- Use (A) and (D) to move the pointer to the location whose almanac you want to view.

|                         |                                                                                                                                                                                                                                                                                                     |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [LATEST POSITION]       | Use any one of the sources below to configure the latest location setting. <ul style="list-style-type: none"> <li>Location information obtained by GPS signal reception.</li> <li>Location information obtained by Bluetooth connection.</li> <li>Manually configured Home City setting.</li> </ul> |
| [SAME AS TIDE SETTINGS] | Specifies the same location as the Tide Graph setting.                                                                                                                                                                                                                                              |

- Press (C) to complete the setting operation.

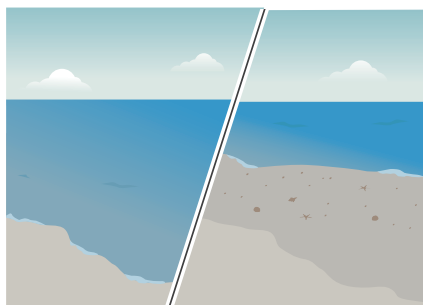
After the setting operation is complete, a checkmark appears for a few seconds, and then the almanac setting screen reappears.

### Note

- If you do not perform any operation for two or three minutes while the Almanac screen is displayed, the watch automatically returns to the current time screen.

## Tide Function

You can look up tide information (Tide Graph) of a port you specified.



### Important!

- Displayed information is intended for reference only. Do not use it for maritime navigation, etc.
- To look up tide information, use the CASIO WATCHES phone app or watch operations to specify the port whose information you want to view.

## Specifying a Port

Use the CASIO WATCHES phone app or watch operations to specify the port whose tide information you want to view.

### ● To use the CASIO WATCHES phone app to specify a port

#### Check the connection

- Make sure the  $\text{⌘}$  symbol is shown on the watch display when you perform the procedure below. If  $\text{⌘}$  is not displayed, refer to the information at the link below.  
[Connecting with a Phone Paired With the Watch](#)

#### Note

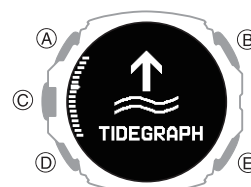
- You can use CASIO WATCHES to specify any one of 3,300 points around the world as the port.
- You can use the CASIO WATCHES phone app to specify any location you want as a port. A user-specified port is indicated by an underline character (" \_ ") at the beginning of its displayed port name.

1. Tap the "CASIO WATCHES" icon.
2. Tap the "My Watch" tab.
3. Select "GPR-H1000" and tap it.
4. Select the setting you want to change and then perform the operation shown on the screen.

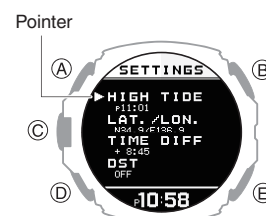
### ● To use phone operations to specify a port

You can use watch operations to register any location you want (custom point).

1. Display the current time screen.  
[Watch Mode](#)
2. Use (A) and (D) to select [TIDEGRAPH].



3. Press (C).  
This displays a Tide Graph.
4. Hold down (A) for at least two seconds.  
This displays the custom point item selection screen.



|             |                        |
|-------------|------------------------|
| [HIGH TIDE] | High tide time         |
| [LAT./LON.] | Latitude and longitude |
| [TIME DIFF] | Time offset            |
| [DST]       | Summer time            |

5. Use (A) and (D) to move the pointer to the item whose setting you want to change.
6. Press (C).



## 7. Specify the high tide time of the custom point.

- On the custom point item selection screen, select [HIGH TIDE].

- ① Use (A) and (D) to change the high tide time hour setting.
- ② Press (C).
- ③ Use (A) and (D) to change the high tide time minute setting.
- ④ Press (C) to complete the high tide time registration.

After registration of the information is complete, a checkmark appears for a few seconds and then the custom point item selection screen re-appears.

### Note

- Pressing (E) during the above procedure will go back one screen.

## 8. Specify the latitude and longitude of the custom point.

- On the custom point item selection screen, move the pointer to [LAT./LON.].

- ① Use (A) and (D) to specify [N] (north) or [S] (south) as the latitude direction.
- ② Press (C).
- ③ Use (A) and (D) to specify a latitude value.
- ④ Press (C).
- ⑤ Use (A) and (D) to specify [E] (east) or [W] (west) as the longitude direction.
- ⑥ Press (C).
- ⑦ Use (A) and (D) to specify a longitude value.
- ⑧ Press (C) to complete the latitude and longitude registration.

After registration of the information is complete, a checkmark appears for a few seconds and then the custom point item selection screen re-appears.

### Note

- Pressing (E) during the above procedure will go back one screen.

## 9. Specify the UTC time offset of the custom point.

- On the custom point item selection screen, move the pointer to [TIME DIFF].

- ① Use (A) and (D) to change the UTC time offset.
- ② Press (C) to complete time offset registration.

After registration of the information is complete, a checkmark appears for a few seconds and then the custom point item selection screen re-appears.

### Note

- Pressing (E) during the above procedure will go back one screen.

## 10. Specify the DST on/off setting for the custom point.

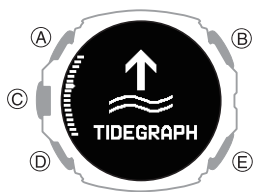
- On the custom point item selection screen, move the pointer to [DST].

- ① Use (A) and (D) to specify [OFF] (standard time display) or [ON] (summer time display).
- ② Press (C) to complete the DST on/off registration.

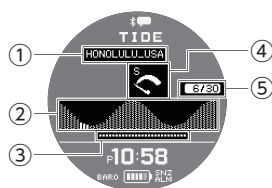
After registration of the information is complete, a checkmark appears for a few seconds and then the custom point item selection screen re-appears.

### Viewing the Tide Information for the Specified Port

1. Display the current time screen.
- [Watch Mode](#)
2. Use (A) and (D) to select [TIDEGRAPH].

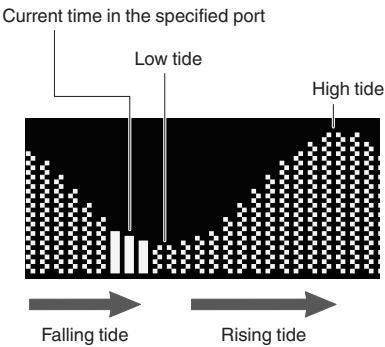


3. Press (C).
- This displays a Tide Graph.



- ① Port name  
Shows the name of the port specified with the CASIO WATCHES phone app.  
The name of a port specified using watch operations is not displayed.
- ② Tide Graph (24 hours)  
[Interpreting Tide Graph Information](#)
- ③ Sunshine hours
- ④ Tide cycle
- |              |             |
|--------------|-------------|
| [L] (Large)  | Spring tide |
| [M] (Medium) | Half tide   |
| [S] (Small)  | Neap tide   |
- ⑤ Day  
Date at the specified port

### Interpreting Tide Graph Information



- The graph shows tide information from 0:00 to 23:30 (24 hours).

### Time Adjustment

Your watch can connect to a phone or receive GPS signals to adjust its date and time settings.

#### Important!

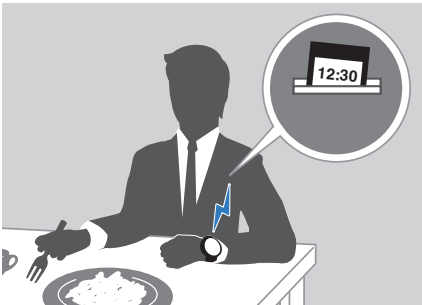
- Switch to Airplane Mode and use watch operations for time adjustment whenever you are inside an aircraft or any other area where phone use or GPS signal reception is prohibited or restricted.  
[Entering the Watch Airplane Mode](#)  
[Using Watch Operations to Adjust the Time Setting](#)

### Automatically Connecting with a Phone to Sync the Current Watch's Time Setting

#### Auto Time Adjustment

Your watch can connect with your phone to adjust the watch's time setting.

If you leave your watch with the current time screen displayed, it will perform the adjustment operation automatically as you go about your daily life, without any operation required by you.



## Important!

- The watch may not be able to perform auto time correction under the conditions described below.
  - While the watch is too far away from its paired phone
  - While communication is not possible due to radio interference, etc.
  - While the phone is updating its system
  - While the CASIO WATCHES phone app is not running on the phone

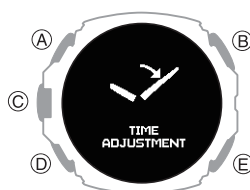
## Note

- If there is a World Time City specified with the CASIO WATCHES phone app, its time will also be corrected automatically.
- Auto time adjustment is performed at the times described below.
  - After your phone's time zone or summer time setting is changed
  - After 24 hours or more have passed since the last time adjustment using Bluetooth connection
  - After 24 hours or more have passed since the last home city change or time adjustment using watch operation
- The watch remains connected with your phone even after time adjustment is complete.
- If time adjustment fails for some reason, [FAILED] will appear.
- Watch operation can be performed even while it is connected with your phone.
- Connection with your phone is not possible while the watch's Airplane Mode is enabled. To connect with your phone, disable the Airplane Mode.
 [🔗 Entering the Watch Airplane Mode](#)

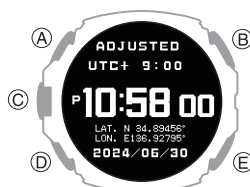
## Manually Connecting with a Phone to Sync the Watch's Time Setting

You can use the procedure below to connect manually with a phone that is already paired with the watch.

- Display the current time screen.
 [🔗 Watch Mode](#)
- Hold down (A) for at least two seconds. This enters the Control Mode.
- Use (A) and (D) to select [TIME ADJUSTMENT].



- Press (C).
- Use (A) and (D) to move the pointer to [BLUETOOTH].
- Press (C).
  - This starts Bluetooth connection.
  - The acquired information appears on the watch display when time acquisition is successful.



- [FAILED] appears if acquisition fails.
- Press any button and return to step 5 of this procedure.
  - Press (E) twice to complete the setting operation.

## Adjusting the Watch's Current Time Setting Using GPS

The watch's time and day settings can be configured in accordance with your current time zone by receiving a GPS signal.

### Appropriate Signal Reception Location

GPS signal reception is possible outdoors where the sky is visible and not blocked by buildings, trees, or other objects.



## Note

- In areas where reception is poor, keep the watch LCD pointed upwards and do not move the watch.
- When the watch receives GPS signals, avoid covering its LCD with the sleeve of your clothing.
- GPS signal reception is not possible in the areas described below.
  - Where the sky is not visible
  - Indoors (Reception may be possible near a window.)
  - Near wireless communication equipment or other devices that generate magnetism.
- You may experience GPS signal reception problems in the areas described below.
  - Where the view of the sky above is narrow
  - Near trees or buildings
  - Near a train station, airport, or other congested areas

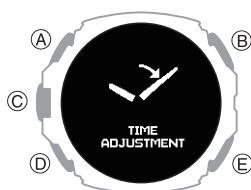
## Adjusting Time Settings by Performing a Manual GPS Signal Receive Operation

You can use a button operation to acquire GPS location information and adjust your time zone, time, and day settings in accordance with your current location.

### Note

- GPS signal reception requires large amounts of power. Perform it only when necessary.

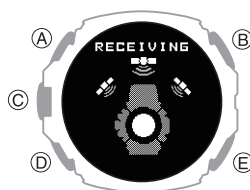
1. Move to a location appropriate for signal reception and point the LCD of the watch straight up at the sky.
2. Display the current time screen.  
[Watch Mode](#)
3. Hold down (A) for at least two seconds.  
This enters the Control Mode.
4. Use (A) and (D) to select [TIME ADJUSTMENT].



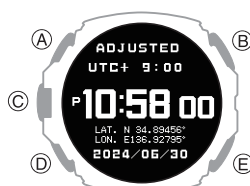
5. Press (C).
6. Use (A) and (D) to move the pointer to [GPS].

7. Press (C).

This starts location information acquisition.



- The acquired information will appear on the watch display when location acquisition is successful.



- [FAILED] will appear on the display if location information acquisition fails for some reason.
8. Press any button and return to step 6 of this procedure.
  9. Press (E) twice to complete the setting operation.

### Note

- Reception takes anywhere from about 30 seconds to about two minutes.
- The receive operation can take as long as 15 minutes when leap second information is included.
- You may experience location information acquisition problems in the vicinity of a city borderline. The watch's time and day is not be indicated correctly if the time zone setting is not right for your location. If this happens, move to a location near the center of the city you want to set as your Home City and acquire location information again.

## Leap Second Reception

GPS signal reception each year on June 1 or later and on December 1 or later also receives leap second information.

### Note

- It can take as long as 15 minutes to complete the leap second information receive operation.
- The leap second information receive operation is repeated until information receipt is complete.
- Once the leap second information receive operation is complete, the watch will not make any attempt to receive it again until the following June 1 or December 1.
- When connecting with a phone to adjust the watch date and time settings, leap seconds will also be received along with the time information. If this happens, leap seconds may not be received when receiving a GPS signal.
- The first GPS signal receive operation after the watch's current time and/or date setting has been changed manually will include receipt of leap second information.

## Signal Reception Precautions

- When the watch is unable to adjust its time in accordance with a GPS signal for some reason, average timekeeping accuracy is within  $\pm 15$  seconds per month.
- Note that an internal decoding process the watch performs after it receives a GPS signal may cause the time setting to be slightly off (by less than one second).
- GPS signal reception is not possible under the conditions described below.
  - While **LOW** or lower is displayed for the battery level
  - While the watch is connected with a phone and data communication is in progress
  - While the watch's Airplane Mode is enabled
  - While sleep measurement is in progress
- If the receive operation is successful, the time and day settings will be adjusted automatically in accordance with the Home City (time zone) and summer time settings. Summer time will not be applied correctly in the cases described below.
  - When the summer time start date and time, end date and time, or other rules are changed by authorities
  - When location information is received, but it is not location information for your actual location (For example, when you are near a borderline of a city and the acquired location information is for a neighboring city, etc.)

## Using GPS Outside Your Country

Some countries or geographic areas put legal restrictions on the use of GPS, on the collection and logging of location information, etc. Your watch has built-in GPS functionality, so before embarking on international travel to a country or area outside of the country where you purchased your watch, you should check with the embassy of the countries you plan to visit, your travel agency, or some other reliable source of information to find out if there are any prohibitions or restrictions on bringing in devices with GPS functionality, or on the logging of location information, etc.

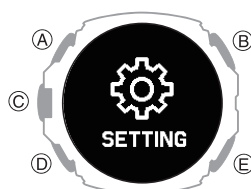
## Using Watch Operations to Adjust the Time Setting

When your watch cannot communicate with your phone or receive GPS signals for some reason, you can adjust date and time settings on the watch manually.

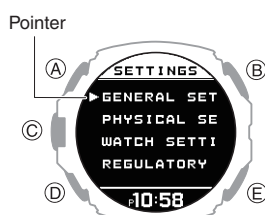
### ● Setting a Home City

Use the procedure in this section to select a city to use as your Home City.

- Display the current time screen.  
[Watch Mode](#)
- Hold down (A) for at least two seconds.  
This enters the Control Mode.
- Use (A) and (D) to select [SETTING].



- Press (C).  
This displays the setting menu screen.



- Use (A) and (D) to move the pointer to [WATCH SETTINGS].
- Press (C).
- Use (A) and (D) to move the pointer to [HOME TIME].
- Press (C).
- Use (A) and (D) to move the pointer to [HOME TIME CITY].
- Press (C).
- Use (A) and (D) to move the pointer to the city you want to use as your Home City.
- Press (C) to complete the setting operation.  
After the setting operation is complete, a check mark appears for a few seconds, and then the home time setting screen reappears.
- Hold down (E) for at least one second to return to the current time screen.

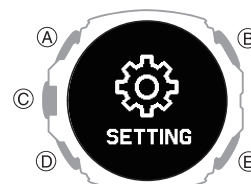
### ● Configuring the Summer Time Setting

If you are in an area that observes summer time, you can also enable or disable summer time.

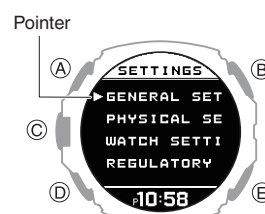
#### Note

- The initial factory default summer time setting for all cities is [AUTO]. In many cases, [AUTO] lets you use the watch without switching manually between summer time and standard time.
- In the cases described below, receiving location information by GPS will cause [AUTO] to be automatically selected for the summer time setting.
  - When the time zone of the current receive operation is different from the watch's time zone setting prior to the receive operation.
  - When the time zone is unchanged, but the acquired location information is for a geographic area with different summer time rules (start date, end date)

- Display the current time screen.  
[Watch Mode](#)
- Hold down (A) for at least two seconds.  
This enters the Control Mode.
- Use (A) and (D) to select [SETTING].



- Press (C).  
This displays the setting menu screen.



- Use (A) and (D) to move the pointer to [WATCH SETTINGS].
- Press (C).
- Use (A) and (D) to move the pointer to [HOME TIME].

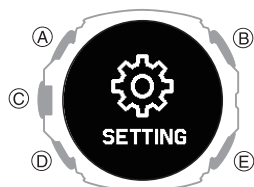
8. Press (C).
9. Use (A) and (D) to move the pointer to [DST].
10. Press (C).
11. Use (A) and (D) to select a summer time setting.

|        |                                                      |
|--------|------------------------------------------------------|
| [AUTO] | Auto switching between standard time and summer time |
| [OFF]  | Always standard time                                 |
| [ON]   | Always summer time                                   |

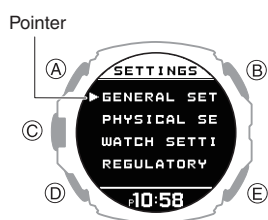
12. Press (C) to complete the setting operation.  
After the setting operation is complete, a check mark appears for a few seconds, and then the home time setting screen re-appears.
13. Hold down (E) for at least one second to return to the current time screen.

## ● To adjust the date manually

1. Display the current time screen.  
[Watch Mode](#)
2. Hold down (A) for at least two seconds.  
This enters the Control Mode.
3. Use (A) and (D) to select [SETTING].



4. Press (C).  
This displays the setting menu screen.



5. Use (A) and (D) to move the pointer to [WATCH SETTINGS].
6. Press (C).
7. Use (A) and (D) to move the pointer to [DATE & TIME].

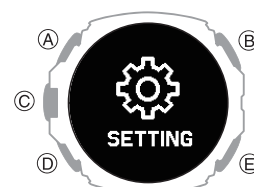
8. Press (C).
9. Use (A) and (D) to move the pointer to [DATE SETTING].
10. Press (C).  
This causes a cursor to appear under the year setting.
11. Use (A) and (D) to change the year setting.
12. Press (C).  
This moves the cursor to the month setting.
13. Use (A) and (D) to change the month setting.
14. Press (C).  
This moves the cursor to the day setting.
15. Use (A) and (D) to change the day setting.
16. Press (C) to complete the setting operation.  
After the setting operation is complete, a check mark appears for a few seconds, and then the current time setting screen re-appears.
17. Hold down (E) for at least one second to return to the current time screen.

## Note

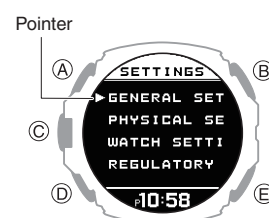
- Pressing (E) during the above procedure will go back one screen.

## ● To correct the time manually

1. Display the current time screen.  
[Watch Mode](#)
2. Hold down (A) for at least two seconds.  
This enters the Control Mode.
3. Use (A) and (D) to select [SETTING].



4. Press (C).  
This displays the setting menu screen.



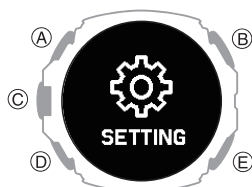
5. Use (A) and (D) to move the pointer to [WATCH SETTINGS].
6. Press (C).
7. Use (A) and (D) to move the pointer to [DATE & TIME].
8. Press (C).
9. Use (A) and (D) to move the pointer to [TIME SETTING].
10. Press (C).  
This causes a cursor to appear under the hour setting.
11. Use (A) and (D) to change the current time hour setting.
12. Press (C).  
This moves the cursor to the minute setting.
13. Use (A) and (D) to change the current time minute setting.
14. Press (C) to complete the setting operation.  
After the setting operation is complete, a check mark appears for a few seconds, and then the current time setting screen re-appears.
15. Hold down (E) for at least one second to return to the current time screen.



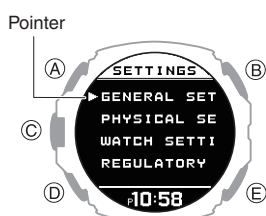
## ● Switching between 12-hour and 24-hour Timekeeping

You can specify either 12-hour format or 24-hour format for the time display.

1. Display the current time screen.  
[Watch Mode](#)
2. Hold down (A) for at least two seconds.  
This enters the Control Mode.
3. Use (A) and (D) to select [SETTING].



4. Press (C).  
This displays the setting menu screen.



5. Use (A) and (D) to move the pointer to [WATCH SETTINGS].
6. Press (C).
7. Use (A) and (D) to move the pointer to [DATE & TIME].
8. Press (C).
9. Use (A) and (D) to move the pointer to [TIME FORMAT].
10. Press (C).
11. Use (A) and (D) to select [12H] (12-hour timekeeping) or [24H] (24-hour timekeeping).
12. Press (C) to complete the setting operation.  
After the setting operation is complete, a check mark appears for a few seconds, and then the current time setting screen re-appears.
13. Hold down (E) for at least one second to return to the current time screen.
  - While 12-hour timekeeping is selected, [P] will be displayed for p.m. times.

## World Time

World Time lets you look up the current time in any one of 38 cities around the globe, and UTC (Coordinated Universal Time).



## Configuring World Time Settings

Perform the required operations with the CASIO WATCHES phone app or the watch to configure world time settings.

### ● To configure World Time settings with the CASIO WATCHES phone app

Specifying a World Time City with the CASIO WATCHES phone app causes the watch's World Time City to change accordingly. Settings can be configured to perform auto summer time switching for the World Time City.

#### Check the connection

- Make sure the  $\text{⌘}$  symbol is shown on the watch display when you perform the procedure below. If  $\text{⌘}$  is not displayed, refer to the information at the link below.  
[Connecting with a Phone Paired With the Watch](#)

#### Note

- The CASIO WATCHES phone app World Time lets you select from among approximately 300 cities as the World Time City.

### ● To select a World Time City

1. Tap the "CASIO WATCHES" icon.
2. Tap the "My Watch" tab.
3. Select "GPR-H1000" and tap it.
4. Select the setting you want to change and then perform the operation shown on the screen.

#### Note

- You can use the CASIO WATCHES phone app to configure settings for user cities that are not included in the watch's built-in World Time Cities. You must use the CASIO WATCHES phone app to select a user city as your World Time City.

### ● Configuring the Summer Time Setting

1. Tap the "CASIO WATCHES" icon.
2. Tap the "My Watch" tab.
3. Select "GPR-H1000" and tap it.
4. Select the setting you want to change and then perform the operation shown on the screen.
  - "AUTO"  
The watch switches between standard time and summer time automatically.
  - "OFF"  
The watch always indicates standard time.
  - "ON"  
The watch always indicates summer time.

#### Note

- While the summer time setting is "AUTO", the watch switches between standard time and summer time automatically. You do not need to switch between standard time and summer time manually. Even if you are in an area that does not observe summer time, you can leave the watch's summer time setting as "AUTO".
- For information about summer time periods, refer to the "Summer Time Table".  
[Summer Time Table](#)



## ● Configuring World Time Settings with the Watch

Perform the required operations on the watch to select a World Time City and to configure summer time settings for your World Time City.

### ● To select a World Time City

1. Display the current time screen.  
[Watch Mode](#)
2. Use (A) and (D) to select [WORLD TIME].



3. Press (C).

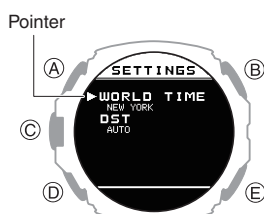
This displays the current World Time City and the current time there.



4. Hold down (A) for at least two seconds.

This displays the World Time setting screen.

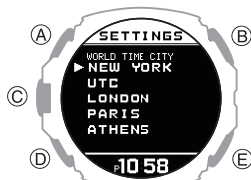
- While the setting is being configured, the watch will exit the setting operation automatically after about two or three minutes of non-operation.



5. Use (A) and (D) to move the pointer to [WORLD TIME CITY].

6. Press (C).

This displays a menu of World Time Cities.



7. Use (A) and (D) to move the pointer to the city you want to use.

8. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the World Time setting screen re-appears.

9. Press (E) to exit the setting screen.

This displays the current time and date in the selected city.



### Note

- If you select a World Time City with the CASIO WATCHES phone app and then change to a different city with a watch operation, the CASIO WATCHES city information is deleted from the watch.

[To configure World Time settings with the CASIO WATCHES phone app](#)

## ● Configuring Summer Time Settings

1. Display the current time screen.

[Watch Mode](#)

2. Use (A) and (D) to select [WORLD TIME].



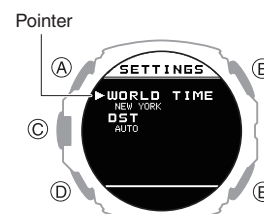
3. Press (C).

This displays the current World Time City and the current time there.

4. Hold down (A) for at least two seconds.

This displays the World Time setting screen.

- While the setting is being configured, the watch will exit the setting operation automatically after about two or three minutes of non-operation.



5. Use (A) and (D) to move the pointer to [DST].
6. Press (C).

7. Use (A) and (D) to select a summer time setting.

|        |                                                                         |
|--------|-------------------------------------------------------------------------|
| [AUTO] | The watch switches between standard time and summer time automatically. |
| [OFF]  | The watch always indicates standard time.                               |
| [ON]   | The watch always indicates summer time.                                 |

8. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the World Time setting screen re-appears.

9. Press (E) to exit the setting screen.

### Note

- The initial factory default summer time setting for all cities is [AUTO]. In many cases, [AUTO] lets you use the watch without switching manually between summer time and standard time.
- While [UTC] is selected as the city, you will not be able to change or check the summer time setting.

## Alarm

The watch performs a beep or vibration alert operation when an alarm time is reached. You can set up to four different alarms. The hourly time signal causes the watch to beep every hour on the hour.

- You can enable the beep and vibration alerts as required.

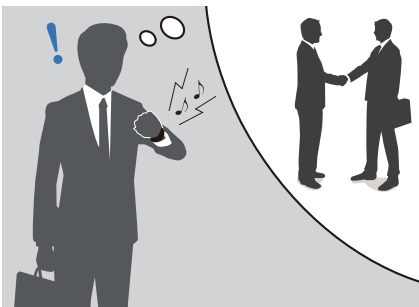
[Configuring Sound and Vibration Settings](#)

- The watch does not perform a vibration alert while the battery level indicator shows **LOW**. The watch does not perform a beep alert while the battery level indicator is "CHG" or lower.

- While the snooze function is turned on, the alert operation is performed up to seven times every five minutes.

- For information about a smart alarm that detects your sleep status and alerts you when your sleep is light, see the information below.

[Smart Alarm](#)



## Configuring Alarm Settings

Use the CASIO WATCHES phone app or watch operations to configure alarm settings.

### ● To configure alarm settings with the CASIO WATCHES phone app

#### Check the connection

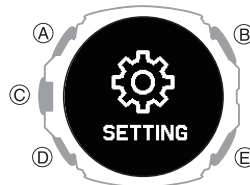
- Make sure the  $\text{⌘}$  symbol is shown on the watch display when you perform the procedure below. If  $\text{⌘}$  is not displayed, refer to the information at the link below.

[Connecting with a Phone Paired With the Watch](#)

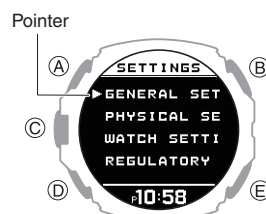
- Tap the "CASIO WATCHES" icon.
- Tap the "My Watch" tab.
- Select "GPR-H1000" and tap it.
- Select the setting you want to change and then perform the operation shown on the screen.

### ● To configure alarm settings with the watch

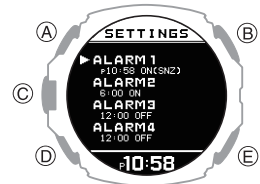
- Display the current time screen.  
[Watch Mode](#)
- Hold down (A) for at least two seconds.  
This enters the Control Mode.
- Use (A) and (D) to select [SETTING].



- Press (C).  
This displays the setting menu screen.



- Use (A) and (D) to move the pointer to [WATCH SETTINGS].
- Press (C).  
This displays the watch setting screen.
- Use (A) and (D) to move the pointer to [ALARM].
- Press (C).
- Use (A) and (D) to move the pointer to the alarm you want to set.



- Press (C).
- Use (A) and (D) to select an alarm and snooze function ON/OFF setting.

|            |                                 |
|------------|---------------------------------|
| [OFF]      | Disables alarm, disables snooze |
| [ON]       | Enables alarm, disables snooze  |
| [ON (SNZ)] | Enables alarm, enables snooze   |

- The currently selected setting is indicated by a check mark (☒) to the left.



- Press (C).

13. Use (A) and (D) to set the alarm hour.

14. Press (C).

15. Use (A) and (D) to set the alarm minute.

16. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the alarm selection screen reappears.

- You can view the setting time of the alarm and whether the alarm setting and snooze setting are on or off.

17. Hold down (E) for at least one second to return to the current time screen.

## Note

- If you want to exit the alarm setting operation at any time, press (E) several times to return to the watch setting screen.

## ● To stop a sounding alarm

While an alarm sound and/or vibration operation is being performed, press any button to stop it.

## Note

- The watch performs a 10-second sound/vibration operation when a preset alarm time is reached.
- When snooze is enabled for an alarm, alarm sound and/or vibration will repeat every five minutes, up to seven times. To stop an alarm's ongoing snooze operation, turn off the alarm.
- If you do not perform any operation for two or three minutes while the setting screen is displayed, the watch automatically returns to the current time screen.



## Enabling the Hourly Time Signal

Use the CASIO WATCHES phone app to turn the hourly time signal on or off.

### Important!

- You cannot change the hourly time signal setting using a watch operation. Use the CASIO WATCHES phone app to change the setting.

### Check the connection

- Make sure the  symbol is shown on the watch display when you perform the procedure below. If  is not displayed, refer to the information at the link below.

[Connecting with a Phone Paired With the Watch](#)

- Tap the "CASIO WATCHES" icon.
- Tap the "My Watch" tab.
- Select "GPR-H1000" and tap it.
- Select the setting you want to change and then perform the operation shown on the screen.

## Note

- The hourly time signal is disabled during the period you have set as NIGHT TIME.

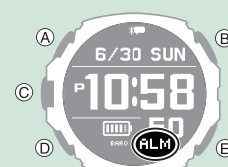
## Turning Off an Alarm

To stop an alarm sound and/or vibration operation, perform the steps below to turn it off.

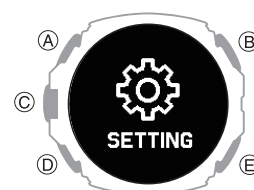
- To reactivate an alarm sound and/or vibration operation, turn it back on.

## Note

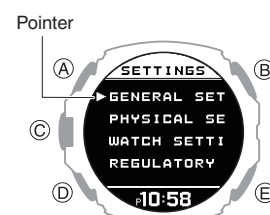
- An indicators is displayed while any one of the alarms is turned on.
- The alarm indicator is not displayed while all of the alarms are turned off.



- Display the current time screen.  
[Watch Mode](#)
- Hold down (A) for at least two seconds. This enters the Control Mode.
- Use (A) and (D) to select [SETTING].

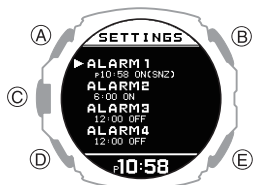


- Press (C).  
This displays the setting menu screen.



- Use (A) and (D) to move the pointer to [WATCH SETTINGS].
- Press (C).  
This displays the watch setting screen.

7. Use (A) and (D) to move the pointer to [ALARM].
8. Press (C).
9. Use (A) and (D) to move the pointer to the alarm you want to turn off.



10. Press (C).
11. Use (A) and (D) to select [OFF].
12. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the alarm selection screen reappears.

13. Hold down (E) for at least one second to return to the current time screen.

- Turning off all alarms causes [ALM] (alarm) to disappear from the display.



## Note

- If [ALM] (alarm) is still displayed after you turn off an alarm, it means at least one of the other alarms is still turned on. To turn off all alarms, repeat steps 8 through 11 until the [ALM] (alarm) indicator is no longer displayed.
- If [ALM] (alarm) is still displayed even after you turn off all the alarms, it means the smart alarm is turned on. Turn off the smart alarm.  
[Turning Off Smart Alarm](#)

## Stopwatch

The stopwatch can be used to perform 1-second unit elapsed time measurement up to 99 hours, 59 minutes, 59 seconds.

It can also measure split times.

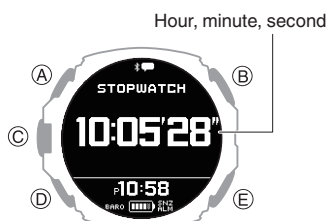
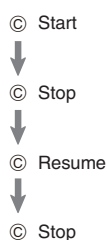


## Measuring Elapsed Time

1. Display the current time screen.  
[Watch Mode](#)
2. Use (A) and (D) to select [STOPWATCH].



3. Press (C).  
 This displays the stopwatch screen.
4. Use the operations below to measure elapsed time.



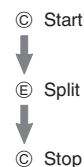
5. Press (E) to reset the stopwatch to all zeros.

## Measuring a Split Time

1. Display the current time screen.  
[Watch Mode](#)
2. Use (A) and (D) to select [STOPWATCH].



3. Press (C).  
 This displays the stopwatch screen.
4. Use the operations below to measure elapsed time.



5. Press (E) to reset the stopwatch to all zeros.

## Timer

The timer counts down from a start time specified by you. The watch performs a sound and/or vibration operation when the end of the countdown is reached.

- The watch does not perform a vibration alert while the battery level indicator shows **LOW**. The watch does not perform a beep alert while the battery level indicator is "CHG" or lower.

- You can enable the beep and vibration alerts as required.

[Configuring Sound and Vibration Settings](#)



## Setting a Start Time

The start time can be set in 1-second units up to 60 minutes.

### ● To configure timer settings with the CASIO WATCHES phone app

If the watch is paired with a phone, you can also use the CASIO WATCHES phone app to set the timer start time.

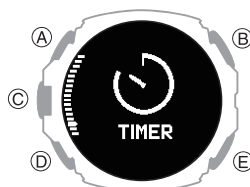
[Configuring Watch Settings](#)

### ● To configure timer settings with the watch

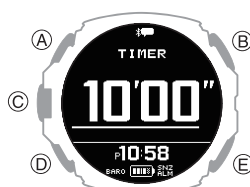
#### EZ Settings

Use this procedure to change the timer start time setting in 30-second increments.

- Display the current time screen.  
[Watch Mode](#)
- Use (A) and (D) to select [TIMER].



- Press (C).  
This displays the TIMER screen.
- Press (A) or (D).  
This returns to the EZ setting screen.

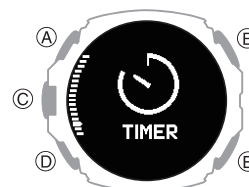


- Use (A) and (D) to change the timer start time setting.
  - Each press of (A) changes the setting by -30 seconds, while (D) changes it by +30 seconds.
- Press (C).  
This starts the timer operation.

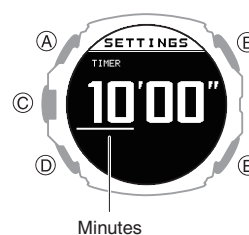
### Minute and Seconds Setting

You can use the steps below to change the timer start time setting in one-second increments up to 60 minutes.

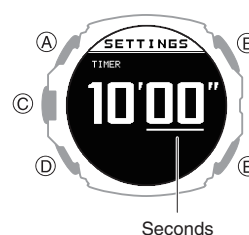
- Display the current time screen.  
[Watch Mode](#)
- Use (A) and (D) to select [TIMER].



- Press (C).  
This displays the TIMER screen.
- Hold down (A) for at least two seconds.  
This causes a cursor to appear under the minutes setting.
- Use (A) and (D) to change the minutes setting.



- Press (C).  
This moves the cursor to the seconds setting.
- Use (A) and (D) to change the seconds setting.



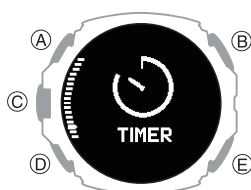
- To return to the minute setting, press (E).
- Press (C) to complete the setting operation.  
After the setting operation is complete, a check mark appears for a few seconds, and then the TIMER screen re-appears.

## Note

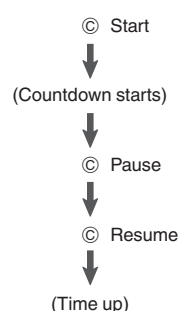
- To exit the timer setting operation at any point, press (E).
- While the setting is being configured, the watch will exit the setting operation automatically after about two or three minutes of non-operation.

## Using the Timer

1. Display the current time screen.  
[Watch Mode](#)
2. Use (A) and (D) to select [TIMER].



3. Press (C).  
This displays the TIMER screen.
4. Use the operations below to perform a timer operation.



- The watch performs a sound and/or vibration operation for 10 seconds when the end of the countdown is reached.
  - You can reset a paused countdown to its start time, by pressing (E).
5. Press any button to stop the sound and/or vibration operation.

## Pedometer

You can use the pedometer to keep track of your step count while walking, running, engaging in your normal daily activities, etc.



## Counting Steps

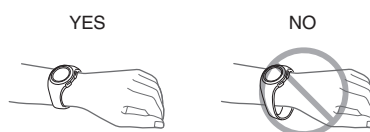
If you are wearing the watch correctly, the pedometer counts your steps as you walk, run, or engage in your normal daily activities.

### Important!

- Since this watch is a wrist-worn device, it may detect non-step movements and count them as steps. Also, abnormal arm movements while walking may cause a miss count of steps.

### ● Getting Ready

To enable the most accurate step count, wear the watch with the face on the outside of your wrist and tighten the band securely. A loose band may make it impossible to obtain correct measurement.



### ● Counting Steps

The pedometer will start counting your steps when you start walking.

### ● To check the step count

You can check your step count on the watch's current time screen, with the Life Log function or with the CASIO WATCHES phone app.

- [Specifying a Watch Face](#)
- [Viewing Life Log Data](#)

## Note

- The step count can show a value up to 99,999 steps. [----] is displayed when the step count exceeds 99,999.
- To avoid miscounting of non-walking movements, the step count is not displayed immediately after you start moving.
- The step count is reset to zero at midnight each day.
- The watch can store up to three days of step counts.
- Step count results are transferred to the CASIO WATCHES phone app when the watch is connected to the app or when the app is started up.
- You can also use the CASIO WATCHES phone app to specify a daily step target.  
[Specifying a Daily Step Count Target](#)

## Causes of Incorrect Step Count

Certain conditions may make correct step counting impossible.

### Important!

Any of the conditions below may make proper counting impossible.

- Walking while wearing slippers, sandals, or other footwear that encourages a shuffling gait
- Walking on tile, carpeting, snow, or other surface that causes a shuffling gait
- Irregular walking (in a crowded location, in a line where walking stops and starts at short intervals, etc.)
- Extremely slow walking or extremely fast running
- Pushing a shopping cart or baby stroller
- In a location where there is a lot of vibration or riding on or in a vehicle
- Frequent movement of the hand or arm (clapping, fanning movement, etc.)
- Walking while holding hands, walking with a cane or stick, or engaging in any other movement in which your hand and leg movements are not coordinated with each other
- Normal daily non-walking activities (cleaning, etc.)
- Wearing the watch on the wrist that is not the one you specified with your profile's WRIST setting  
[Creating Your Profile](#)
- Walking for 20 seconds or less

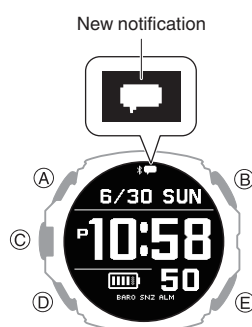
## Receiving Phone Notifications

You can use your watch to check the details of incoming calls, mail, and SNS alerts and information that are received by a phone connected to the watch by Bluetooth. The watch can have up to 10 notifications stored in its memory.

- To receive notifications from your phone, you need to pair the watch with it.

[Pairing the Watch with Your Phone](#)

You can check for new notifications on the current time screen and in the Activity Mode.



With the notification list, you can check the notification type, and the date and time the notification was received.

| This indicator: | Means this:                  |
|-----------------|------------------------------|
|                 | Mail                         |
|                 | SNS                          |
|                 | Incoming calls, missed calls |
|                 | Schedule                     |
|                 | Other                        |

- The message [NO DATA] will appear if there are no new messages.
- While notification receive is enabled, reception of a notification causes its contents to appear on the display, regardless of the mode (Notification Cut-in).  
[Enabling and Disabling Incoming Call Notifications](#)
- The watch performs a sound and/or vibration operation when a notification is received. You can enable or disable sound and vibration alert as required.  
[Configuring Sound and Vibration Settings](#)
- The sound/vibration operation for incoming phone call notifications lasts up to 20 seconds, while all other notifications last one second.

### Important!

- To receive phone notifications, configure the settings below on your phone.

iPhone: Configure all of the settings below.

- Enable CASIO WATCHES phone app notifications.
- Turn on “Settings” → “Bluetooth” → “CASIO GPR-H1000” → “Share System Notifications”.
- Allow notifications for each app you want to be notified about, and make sure all of the following boxes are checked (selected): Notifications Lock Screen, Notification Center, Banners.

Example: Mail app: “Settings” → “Mail” → “Notifications”

Android: Enable all the items below.

- Notification access
- Contacts access
- Call history access

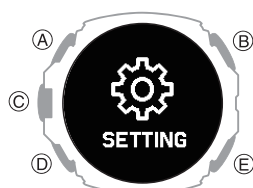
- After the notification cut-in is displayed for 1 minute, the display returns to the screen that was shown before the cut-in appeared. While a notification cut-in is displayed, press (A) or (D) to check the notification content.



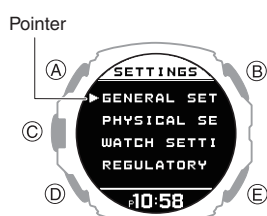
## Enabling and Disabling Incoming Call Notifications

You can enable or disable notification receive as required.

1. Display the current time screen.  
[Watch Mode](#)
2. Hold down (A) for at least two seconds.  
This enters the Control Mode.
3. Use (A) and (D) to select [SETTING].



4. Press (C).  
This displays the setting menu screen.



5. Use (A) and (D) to move the pointer to [GENERAL SETTINGS].
6. Press (C).
7. Use (A) and (D) to move the pointer to [NOTIFICATIONS].
8. Press (C).

9. Use (A) and (D) to select a notification receive ON/OFF setting.

|                             |                                                                                              |
|-----------------------------|----------------------------------------------------------------------------------------------|
| [OFF]                       | Notifications are turned off, and notification cut-ins do not appear.                        |
| [ACTIVITY OFF]              | Notification receive is turned off during activity measurement only.                         |
| [NIGHT TIME OFF]            | Notification receive is turned off during the specified night time.                          |
| [ACTIVITY & NIGHT TIME OFF] | Notification receive is turned off during activity measurement and the specified night time. |
| [ON]                        | Enables receive and notification cut-in display.                                             |

- Notification cut-ins display the details of a received notification.
- After about one minute, the watch returns to the screen that was shown before the notification cut-in appeared.

10. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the GENERAL SETTINGS screen re-appears.

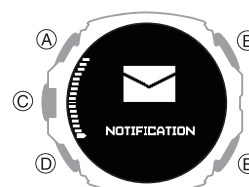
11. Hold down (E) for at least one second to return to the current time screen.

### Note

- If you do not perform any operation for two or three minutes while the setting screen is displayed, the watch automatically returns to the current time screen.

## Displaying Notification Contents

1. Display the current time screen.  
[Watch Mode](#)
2. Use (A) and (D) to select [NOTIFICATION].

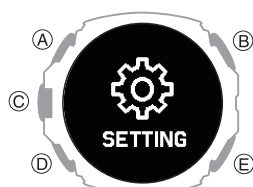


3. Press (C).  
This displays the notification list.
  - The notification list can contain up to 10 notifications.
  - Addition of a notification to the list when it already contains 10 notifications, will cause the oldest notification in the list to be deleted to make room for the new one.
4. Use (A) and (D) to move the pointer to the title of the notification you want to view.
5. Press (C).  
This displays the details of the notification.
  - You can use (A) and (D) to scroll.
  - To return to the notification list, press (E).
  - To return to the current time screen, hold down (E) for at least one second.

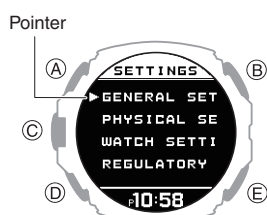
## Cycling Between Notification Cut-in Displays

You can use this procedure to specify either simple display or full display of notification cut-in.

1. Display the current time screen.  
🔍 [Watch Mode](#)
2. Hold down (A) for at least two seconds.  
This enters the Control Mode.
3. Use (A) and (D) to select [SETTING].



4. Press (C).  
This displays the setting menu screen.



5. Use (A) and (D) to move the pointer to [GENERAL SETTINGS].
6. Press (C).  
This displays the GENERAL SETTINGS screen.



7. Use (A) and (D) to move the pointer to [NOTIFICATION PATTERN].
8. Press (C).
9. Use (A) and (D) to change the display type setting.

|          |                |
|----------|----------------|
| [SIMPLE] | Simple display |
| [FULL]   | Full display   |

10. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the GENERAL SETTINGS screen re-appears.

11. Hold down (E) for at least one second to return to the current time screen.

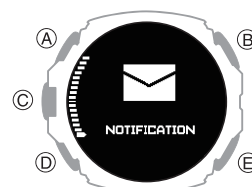
### Note

- If you do not perform any operation for two or three minutes while the setting screen is displayed, the watch automatically returns to the current time screen.

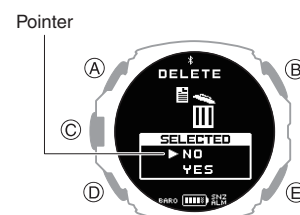
## Deleting a Notification

### Deleting a Particular Notification

1. Display the current time screen.  
🔍 [Watch Mode](#)
2. Use (A) and (D) to select [NOTIFICATION].



3. Press (C).  
This displays the notification list.
4. Use (A) and (D) to move the pointer to the title of the notification you want to delete.
5. Press (C).  
This displays the details of the notification.
6. Hold down (A) for at least two seconds.  
This displays the data delete screen.

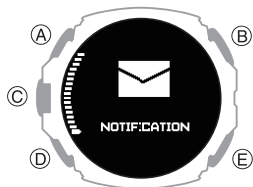


7. Use (A) and (D) to move the pointer to [YES].  
  - To cancel data deletion, move the pointer to [NO].
8. Press (C).  
After the data delete operation is complete, a check mark appears for a few seconds, and then the notification list screen re-appears.

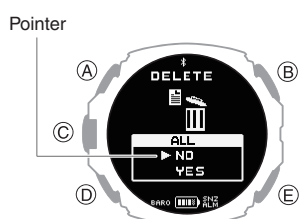
## Deleting All Notifications

1. Display the current time screen.  
[Watch Mode](#)

2. Use (A) and (D) to select [NOTIFICATION].



3. Press (C).  
This displays the notification list.
4. Hold down (A) for at least two seconds.  
This displays the data delete screen.



5. Use (A) and (D) to move the pointer to [YES].
  - To cancel data deletion, move the pointer to [NO].
6. Press (C).  
After the data delete operation is complete, a check mark appears for a few seconds, and then [NO DATA] appears.

## Activity Measurement Settings

This section explains how to configure settings related to activity measurement. The setting menu that is displayed depends on the activity.

### Activity-specific Setting Menu

| Activity            | Setting Menu                     |
|---------------------|----------------------------------|
| POOL SWIMMING       | TRAINING ALERT<br>POOL LENGTH    |
| GYM WORKOUT         | TRAINING ALERT                   |
| INTERVAL TIMER      | TRAINING ALERT<br>INTERVAL TIMER |
| RUNNING             | GPS TRACKING                     |
| WALKING             | AUTO LAP                         |
| BIKING              | AUTO PAUSE<br>TRAINING ALERT     |
| TREKKING            | GPS TRACKING                     |
| OPEN WATER SWIMMING | AUTO LAP                         |
| TRAIL RUNNING       | TRAINING ALERT                   |

## Enabling Auto Lap Timing

While auto lap timing is enabled, a lap is recorded each time you run the lap distance you specified.

Perform the required operations with the CASIO WATCHES phone app or on the watch to configure auto lap measurement settings.

You can set a lap measurement distance up to 10.0 km, in increments of 0.1 km.

### To configure auto lap settings with the CASIO WATCHES phone app

Before using Auto Lap Timing, you need to use the CASIO WATCHES phone app to specify the Auto Lap Timing distance.

#### Check the connection

- Make sure the symbol is shown on the watch display when you perform the procedure below. If is not displayed, refer to the information at the link below.  
[Connecting with a Phone Paired With the Watch](#)

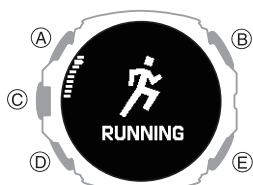
1. Tap the "CASIO WATCHES" icon.
2. Tap the "My Watch" tab.
3. Select "GPR-H1000" and tap it.
4. Select the setting you want to change and then perform the operation shown on the screen.

## ● To configure auto lap settings with the watch

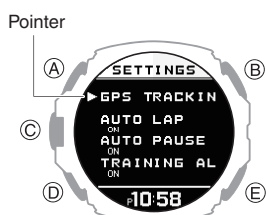
1. Display the current time screen.  
🔗 [Watch Mode](#)

2. Press (C).  
This enters the Activity Mode.

**Example:**



3. Use (A) and (D) to select an activity.
4. Press (C).
  - For activities that can be measured without receiving GPS signals, this operation returns to the measurement operation ready screen. In this case, advance to step 6.
  - If you selected an activity that receives GPS signals for measurement, this operation starts the GPS signal receive operation.
5. If you selected an activity that receives GPS signals for measurement, press (A) or (D).  
This displays the measurement operation ready screen.
6. Hold down (A) for at least two seconds.  
This displays the activity measurement setting screen.

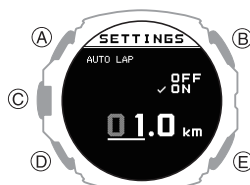


7. Use (A) and (D) to move the pointer to [AUTO LAP].
8. Press (C).
9. Use (A) and (D) to select [ON].
  - To disable auto lap measurement, select [OFF].
  - The currently selected setting is indicated by a check mark (✓) to the left.

10. Press (C).

This causes a cursor to appear, which you can use to set the auto lap measurement distance.

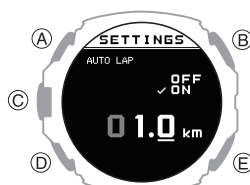
11. Use (A) and (D) to specify the integer part of the distance value.



12. Press (C).

This moves the cursor to the decimal part of the distance value.

13. Use (A) and (D) to specify the decimal part of the distance value.



14. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the activity measurement setting screen re-appears.

15. Press (E) to exit the setting screen.

### Note

- If GPS is being used for Auto Lap measurement, the Auto Lap measurement timing may be somewhat different from the distance setting.
- While the setting is being configured, the watch will exit the setting operation automatically after about two or three minutes of non-operation.

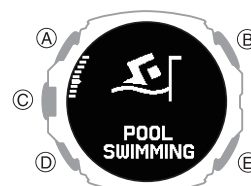
## Setting the Swimming Pool Length

Specifying a pool length helps when measuring lap times.

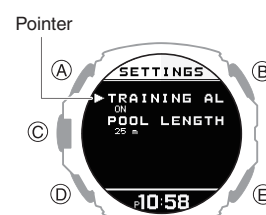
1. Display the current time screen.  
🔗 [Watch Mode](#)

2. Press (C).  
This enters the Activity Mode.

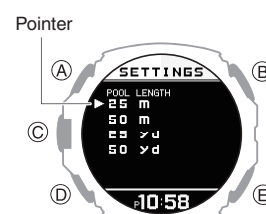
3. Use (A) and (D) to select [POOL SWIMMING].



4. Press (C).
5. Hold down (A) for at least two seconds.  
This displays the pool swimming setting screen.



6. Use (A) and (D) to move the pointer to [POOL LENGTH].
7. Press (C).  
This displays the pool length setting screen.



8. Use (A) and (D) to select the pool length you want.

|        |           |
|--------|-----------|
| [25m]  | 25 meters |
| [50m]  | 50 meters |
| [25yd] | 25 yards  |
| [50yd] | 50 yards  |

9. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the pool swimming setting screen re-appears.

## Note

- While the setting is being configured, the watch will exit the setting operation automatically after about two or three minutes of non-operation.

## Enabling Auto Pause

While Auto Pause is enabled, timing will pause whenever you stop running.

## Note

- When a measurement operation is restarted from auto pause, the watch display will be delayed from the actual start, but the time and distance being measured are not affected.
- For RUNNING and WALKING, Auto Pause becomes difficult to work while the GPS reception interval is [OFF] or if the GPS signal is lost.
- For BIKING, Auto Pause does not work while the GPS reception interval is set to [LONG] or [OFF], or if the GPS signal is lost.

### Changing the GPS Receive Interval

- If auto pause does not work after it is enabled or if measurement does not resume, pause and resume measurement manually.

1. Display the current time screen.

☞ [Watch Mode](#)

2. Press (C).

This enters the Activity Mode.

**Example:**



3. Use (A) and (D) to select an activity.

4. Press (C).

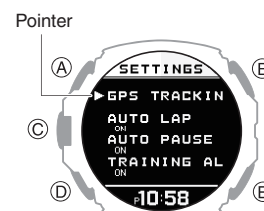
- For activities that can be measured without receiving GPS signals, this operation returns to the measurement operation ready screen. In this case, advance to step 6.
- If you selected an activity that receives GPS signals for measurement, this operation starts the GPS signal receive operation.

5. If you selected an activity that receives GPS signals for measurement, press (A) or (D).

This displays the measurement operation ready screen.

6. Hold down (A) for at least two seconds.

This displays the activity measurement setting screen.



7. Use (A) and (D) to move the pointer to [AUTO PAUSE].

8. Press (C).

9. Use (A) and (D) to move the pointer to [ON] (enabled) or [OFF] (disabled).

10. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the activity measurement setting screen re-appears.

11. Press (E) to exit the setting screen.

## Note

- While the setting is being configured, the watch will exit the setting operation automatically after about two or three minutes of non-operation.
- You can also use the CASIO WATCHES phone app to enable or disable Auto Pause.

## Changing the GPS Receive Interval

Use the procedure below to specify the interval for receiving GPS signals and to acquire location information during activity measurement.

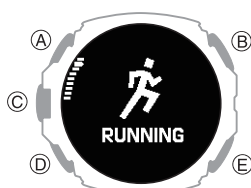
1. Display the current time screen.

[Watch Mode](#)

2. Press (C).

This enters the Activity Mode.

**Example:**



3. Use (A) and (D) to select an activity.

4. Press (C).

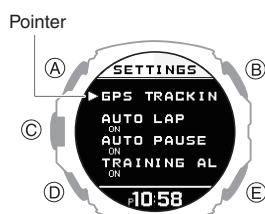
This displays the GPS signal receive start screen.

5. Press (A) or (D).

This displays the measurement operation ready screen.

6. Hold down (A) for at least two seconds.

This displays the activity measurement setting screen.



7. Use (A) and (D) to move the pointer to [GPS TRACKING].

8. Press (C).

9. Use (A) and (D) to move the pointer to [GPS].

10. Press (C).

11. Use (A) and (D) to select a GPS receive interval.

|          |                                                                           |
|----------|---------------------------------------------------------------------------|
| [HIGH]   | Receive interval: Every second<br>Positioning accuracy: High              |
| [NORMAL] | Receive interval: Every second<br>Positioning accuracy: Lower than [HIGH] |
| [LONG]   | Receive interval: Every minute                                            |
| [OFF]    | GPS not used.                                                             |

12. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the GPS setting screen re-appears.

13. Press (E) twice to exit the setting screen.

### Note

- While the setting is being configured, the watch will exit the setting operation automatically after about two or three minutes of non-operation.
- You can also change the GPS receive interval using the CASIO WATCHES phone app.
- With BIKING or OPEN WATER SWIMMING, distance traveled is not displayed in the measurement results when the GPS reception interval is [LONG] or [OFF].

## Configuring Training Alert Settings

You can use the CASIO WATCHES phone app to specify target alert intervals to inform you of your calories burned, elapsed time, distance traveled, and altitude climbed during training. Every time an alert target value is reached during activity measurement, a sound or vibration operation is performed, and an alert screen appears to notify you.

You can use a single watch operation to toggle all the alerts you configured with the CASIO WATCHES phone app between on and off.

- To specify training alert target values with the CASIO WATCHES phone app

### Important!

- Note that you cannot specify alert target values using watch operations. Use the CASIO WATCHES phone app to configure settings.

### Check the connection

- Make sure the symbol is shown on the watch display when you perform the procedure below. If is not displayed, refer to the information at the link below.  
[Connecting with a Phone Paired With the Watch](#)

1. Tap the "CASIO WATCHES" icon.
2. Tap the "My Watch" tab.
3. Select "GPR-H1000" and tap it.
4. Select the setting you want to change and then perform the operation shown on the screen.

## ● To enable training alert with the watch

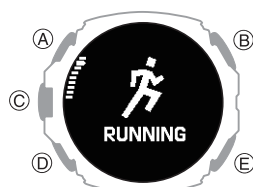
1. Display the current time screen.

🔗 [Watch Mode](#)

2. Press (C).

This enters the Activity Mode.

**Example:**



3. Use (A) and (D) to select an activity.

4. Press (C).

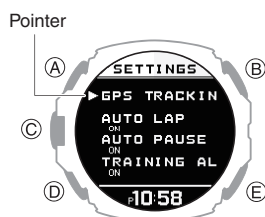
- For activities that can be measured without receiving GPS signals, this operation returns to the measurement operation ready screen. In this case, advance to step 6.
- If you selected an activity that receives GPS signals for measurement, this operation displays the GPS signal reception start screen.

5. If you selected an activity that receives GPS signals for measurement, press (A) or (D).

This displays the measurement operation ready screen.

6. Hold down (A) for at least two seconds.

This displays the activity measurement setting screen.



7. Use (A) and (D) to move the pointer to [TRAINING ALERT].

8. Press (C).

9. Use (A) and (D) to move the pointer to [ON].

- If you want to disable training alerts, move the pointer to [OFF].

10. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the activity measurement setting screen re-appears.

11. Press (E) to exit the setting screen.

### Important!

- Use the CASIO WATCHES phone app to specify an alert target value for each item. You cannot use watch operations to configure alert target value settings.

### Note

- While the setting is being configured, the watch will exit the setting operation automatically after about two or three minutes of non-operation.

## Training Alert Screen Indicators

A training alert screen appears on the watch when a specified target value is reached during activity measurement.

| Indicator: | Meaning:                                  |
|------------|-------------------------------------------|
|            | Calories burned target value reached.     |
|            | Elapsed time target value reached.        |
|            | Travel distance target value reached.     |
|            | Cumulative altitude target value reached. |

### Note

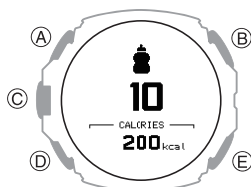
- Alerts that can be configured depend on the activity.



## Alert Screen Switching

A training alert screen appears when a specified target value is reached during activity measurement.

**Example:**



- The watch returns to the running measurement screen if you press (C) or if you do not perform any operation for about nine seconds.

## Configuring Distance Measurement Settings

You can select measurement of either linear distance (straight-line distance) or surface distance (actual distance).

Surface distance measurements are calculated by taking horizontal travel as well as vertical movement into consideration.

- Display the current time screen.

[Watch Mode](#)

- Press (C).

This enters the Activity Mode.

**Example:**



- Use (A) and (D) to select an activity.

- Press (C).

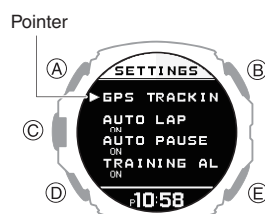
This displays the GPS signal receive start screen.

- Press (A) or (D).

This displays the measurement operation ready screen.

- Hold down (A) for at least two seconds.

This displays the activity measurement setting screen.



- Use (A) and (D) to move the pointer to [GPS TRACKING].

- Press (C).

- Use (A) and (D) to move the pointer to [3D DISTANCE].

- Press (C).

- Use (A) and (D) to select a setting.

|       |                              |
|-------|------------------------------|
| [ON]  | Surface distance measurement |
| [OFF] | Linear distance measurement  |

- Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the GPS setting screen reappears.

- Press (E) to exit the setting screen.

### Note

- While the setting is being configured, the watch will exit the setting operation automatically after about two or three minutes of non-operation.
- You can also use the CASIO WATCHES phone app to change the distance measurement type.

## Configuring Interval Timer Settings

### To configure interval timer settings with the CASIO WATCHES phone app

You can use the CASIO WATCHES phone app to configure an interval timer that combines multiple types of timers.

- For information about interval timers, see the information below.

[Overview](#)

### Check the connection

- Make sure the symbol is shown on the watch display when you perform the procedure below. If is not displayed, refer to the information at the link below.
  - [Connecting with a Phone Paired With the Watch](#)

- Tap the "CASIO WATCHES" icon.
- Tap the "My Watch" tab.
- Select "GPR-H1000" and tap it.
- Select the setting you want to change and then perform the operation shown on the screen.

## ● To configure interval timer settings with the watch

- If a timer countdown operation is in progress, reset the timer to its current start time before performing this operation.

🔗 [Using the Timer](#)

1. Display the current time screen.

🔗 [Watch Mode](#)

2. Press (C).

This enters the Activity Mode.

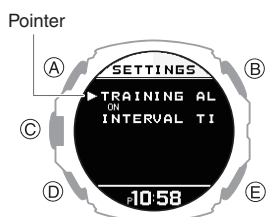
3. Use (A) and (D) to select [INTERVAL TIMER].



4. Press (C).

5. Hold down (A) for at least two seconds.

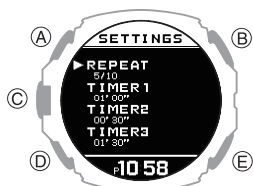
This displays the interval training setting screen.



6. Use (A) and (D) to move the pointer to [INTERVAL TIMER].

7. Press (C).

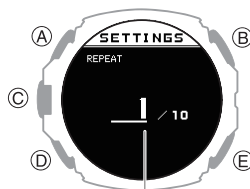
This displays the interval timer setting screen.



8. Use (A) and (D) to move the pointer to [REPEAT].

9. Press (C).

This displays the number of timer repeats (1 to 10) setting screen.



Number of repeats

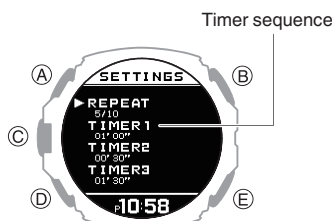
10. Use (A) and (D) to specify the number of timer repeats (Auto Repeat).

11. Press (C).

After the setting operation is complete, a check mark appears for a few seconds, and then the interval timer setting screen re-appears.

12. Use (A) and (D) to specify the sequence of the timers.

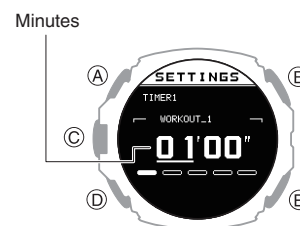
- To setup the first timer, setup [TIMER1].



13. Press (C).

This causes the cursor to appear at the minutes setting of the first timer.

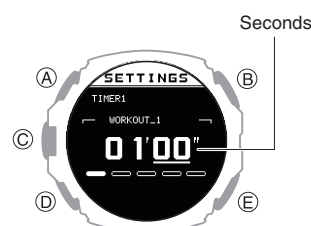
14. Use (A) and (D) to change the minutes setting.



15. Press (C).

This causes the cursor to move to the seconds setting of the first timer.

16. Use (A) and (D) to change the seconds setting.



17. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the interval timer setting screen re-appears.

18. Repeat steps 11 through 16 as many times as necessary to configure the settings of other timers.

### Note

- Pressing (E) during the above procedure goes back one screen.
- You can use the CASIO WATCHES phone app to change timer names. A timer name can include a combination of up to 14 alphabetic letters (A to Z), numbers (0 to 9), and symbols (/+-\_? &).

## Using the Application to Configure Settings

This section explains the main watch settings that can be changed only with the “CASIO WATCHES” phone app.

To use the settings in this section, you need to install the “CASIO WATCHES” phone app on your phone.

① Install the required app on your phone.

## Specifying a Watch Face

There are five patterns that you can use for the current time screen. You can select the pattern that suits your current lifestyle.

You can customize the display items for Face 5.

### Important!

- You cannot use watch operations to customize the Face 5 display items. Use the CASIO WATCHES phone app.
- You can use watch operations to select a watch face.

① Changing the Watch Face

Face 1

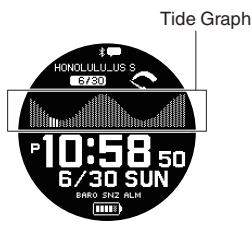


Face 2



\* Graphic area operation is linked with the timekeeping seconds.

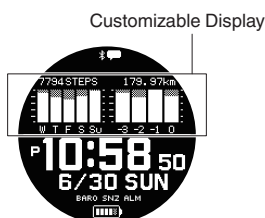
Face 3



Face 4



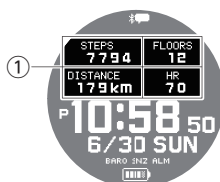
Face 5



You can specify text-plus-value display or graphic display for the customizable display.

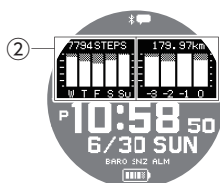
### Custom Pattern 1

- You can specify up to four different text-and-value display items.



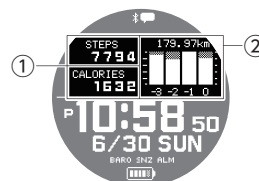
### Custom Pattern 2

- You can specify up to two graph display items.



### Custom Pattern 3

- You can specify two text-plus-value display items and one graph display item.



You can select from among the display items below when customizing a display.

#### ① Text-Plus-Value Items

|                          |                                                                                                                             |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| [STEPS]                  | Today's step count                                                                                                          |
| [STATUS]                 | Cardio Load Status (Cardio Load Status)                                                                                     |
| [DISTANCE]               | Monthly running distance <ul style="list-style-type: none"> <li>RUN</li> <li>WALK</li> <li>BIKE</li> </ul>                  |
| [FLOORS]                 | Current day's floor count                                                                                                   |
| [HR]                     | Heart rate                                                                                                                  |
| [MAX MIN]                | Maximum/Minimum heart rate                                                                                                  |
| [SLEEP]                  | <ul style="list-style-type: none"> <li>Sleep score + level display</li> <li>Sleep time</li> <li>Sleep evaluation</li> </ul> |
| [CALORIES]               | Calories burned                                                                                                             |
| [ACTIVE]                 | Current day's physical exercise time                                                                                        |
| Sunrise and sunset times |                                                                                                                             |
| Moon age                 |                                                                                                                             |

#### ② Graph Items

|                                                                                   |
|-----------------------------------------------------------------------------------|
| Step count target achievement graph (5 days)                                      |
| Monthly running distance change graph (4 months)                                  |
| <ul style="list-style-type: none"> <li>RUN</li> <li>WALK</li> <li>BIKE</li> </ul> |



## Configuring Settings

Use the CASIO WATCHES phone app to specify which current time screen you want to display. In the case of the customizable display, you can specify the items you want to include on the display.

### Important!

- You cannot use watch operations to customize the Face 5 display items. Use the CASIO WATCHES phone app.

### Check the connection

- Make sure the  symbol is shown on the watch display when you perform the procedure below. If  is not displayed, refer to the information at the link below.

[Connecting with a Phone Paired With the Watch](#)

- Tap the "CASIO WATCHES" icon.
- Tap the "My Watch" tab.
- Select "GPR-H1000" and tap it.
- Select the setting you want to change and then perform the operation shown on the screen.

## Customizing the Watch Mode and Activity Mode Functions

You can use the CASIO WATCHES phone app to specify the sequence that functions appear in the Watch Mode and Activity Mode. You can also add or delete functions as desired.



### Important!

- You cannot perform function customization operations on the watch. Use the CASIO WATCHES phone app to configure settings.

For information about functions that can be rearranged and deleted, see the information below.

- [Watch Mode](#)
- [Activity Overview](#)

### Check the connection

- Make sure the  symbol is shown on the watch display when you perform the procedure below. If  is not displayed, refer to the information at the link below.

[Connecting with a Phone Paired With the Watch](#)

- Tap the "CASIO WATCHES" icon.
- Tap the "My Watch" tab.
- Select "GPR-H1000" and tap it.
- Select the setting you want to change and then perform the operation shown on the screen.

### Note

- Adding or deleting functions may change settings.
- Even if you delete the almanac (sunrise, sunset times, Moon age) function and Tide function, you can still display sunrise and sunset times and the Tide Graph on the current time screen.

## Configuring Activity Measurement Display Settings

There are various types of activity measurement screens, and up to 9 screens can be registered for each activity.

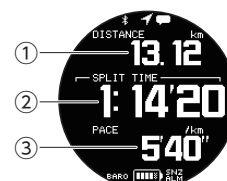
From among the registered screens, you can specify which one should be displayed while each activity measurement is in progress.

### Important!

- You can specify activity measurement screens using the CASIO WATCHES phone app. You cannot use watch operations to configure activity measurement screen settings.

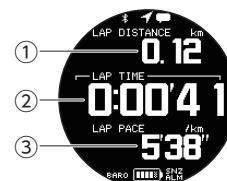
- Screen 1 is fixed as "Measurement Screen 1". Select screens 2 to 9 from among screens that are other than "Measurement Screen 1".

### Measurement Screen 1

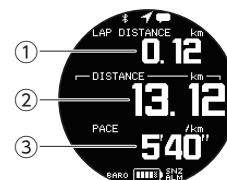


From among the following, select the screens to be displayed for screens 2 through 9.

### Measurement Screen 2

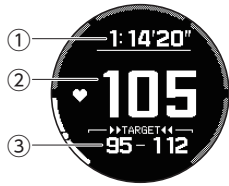


### Measurement Screen 3



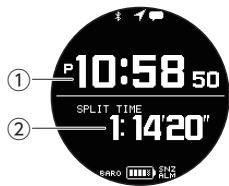
- You can customize the items that appear in the ① upper, ② middle, and ③ lower sections of the measurement screen 1 to 3. You can specify customization items using the CASIO WATCHES phone app.

## Heart Rate Measurement Screen



- ① Movement time from measurement start
- ② Current heart rate
- ③ Target HR zone value

## Current time screen



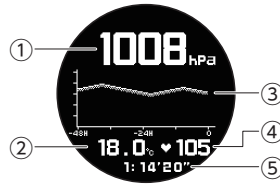
- ① Current time
- ② Movement time from measurement start

## Altitude screen



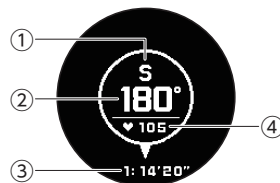
- ① Altitude of current location
- ② Current heart rate
- ③ [DIFF RESET] (Altitude Differential Reset) and the altitude differential
- ④ Movement time from measurement start

## Barometric pressure screen



- ① Current barometric pressure
- ② Current temperature
- ③ Barometric pressure graph
- ④ Current heart rate
- ⑤ Movement time from measurement start

## Bearing screen



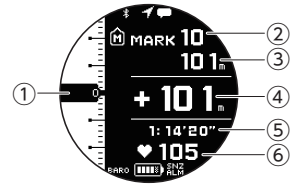
- ① Current bearing
- ② Current bearing angle
- ③ Current heart rate
- ④ Movement time from measurement start

## Almanac screen



- ① Date of measurement
- ② Measurement day Moon age
- ③ Measurement day sunrise time
- ④ Measurement day sunset time
- ⑤ Movement time from measurement start

## Altitude navigation screen



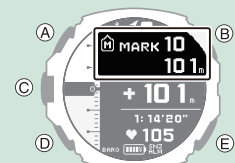
- ① Shows the current altitude at the scale location
- ② Currently displayed checkpoints
- ③ Altitude set for the currently displayed checkpoint
- ④ Altitude difference between current altitude and checkpoint
- ⑤ Movement time from measurement start
- ⑥ Current heart rate
- A pointer (A) to the right of the scale along the left of the screen also indicates the altitude differential between the checkpoint and current altitude. The appearance of the pointer changes as described below.

| This pointer: | Means this:                                                     |
|---------------|-----------------------------------------------------------------|
|               | Altitude differential of +100 m (Or: +100 ft) or more           |
|               | Altitude differential within -100 to 100 m (Or: -100 to 100 ft) |
|               | Altitude differential of -100 m (Or: -100 ft) or more           |

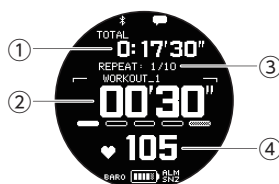
- For information about advanced navigation settings, see the information below.  
[Specifying Checkpoints Along a Training Course \(Altitude Navigation\)](#)

## Note

- Holding down (D) for at least two seconds switches the checkpoint display.



## Interval timer screen



① Total measurement time

② Interval timer value

③ Number of repeats

④ Current heart rate

### Note

- In the case of INTERVAL TIMER, Screen 1 shows the interval timer screen.

## Configuring Settings

### Check the connection

- Make sure the symbol is shown on the watch display when you perform the procedure below. If is not displayed, refer to the information at the link below.  
[Connecting with a Phone Paired With the Watch](#)

1. Tap the "CASIO WATCHES" icon.
2. Tap the "My Watch" tab.
3. Select "GPR-H1000" and tap it.
4. Select the setting you want to change and then perform the operation shown on the screen.

## Specifying Checkpoints Along a Training Course (Altitude Navigation)

You can use the CASIO WATCHES phone app to specify checkpoints along a running course. You can use the watch to check the altitude differential between a checkpoint and your current location.

[Configuring Activity Measurement Display Settings](#)

### Important!

- Note that you cannot specify checkpoints using watch operations. Use the CASIO WATCHES phone app to configure settings.

### Check the connection

- Make sure the symbol is shown on the watch display when you perform the procedure below. If is not displayed, refer to the information at the link below.  
 [Connecting with a Phone Paired With the Watch](#)

1. Tap the "CASIO WATCHES" icon.
2. Tap the "My Watch" tab.
3. Select "GPR-H1000" and tap it.
4. Select the setting you want to change and then perform the operation shown on the screen.

## Enabling the Wrist Sensor

You can use the CASIO WATCHES phone app to enable or disable the wrist sensor so the watch can detect whether or not it is attached to your wrist.

- The wrist sensor is enabled under initial factory default settings.

### Important!

- You cannot change the wrist sensor setting using watch operations. Use the CASIO WATCHES phone app to configure settings.

### Check the connection

- Make sure the symbol is shown on the watch display when you perform the procedure below. If is not displayed, refer to the information at the link below.  
 [Connecting with a Phone Paired With the Watch](#)

1. Tap the "CASIO WATCHES" icon.
2. Tap the "My Watch" tab.
3. Select "GPR-H1000" and tap it.
4. Tap "Watch Settings".
5. Tap "Find Worn Watch".
6. Enable "On".



## Specifying Your Desired Bedtime and Wake-Up Time







You can use the CASIO WATCHES phone app to specify your bedtime and wake-up time.

### Important!

- You cannot use watch operations to configure bedtime and wake-up time settings. Use the CASIO WATCHES phone app to configure settings.

### Check the connection

- Make sure the  symbol is shown on the watch display when you perform the procedure below. If  is not displayed, refer to the information at the link below.  
[Connecting with a Phone Paired With the Watch](#)

1.  Tap the “CASIO WATCHES” icon.
2.  Tap the “My Watch” tab.
3.  Select “GPR-H1000” and tap it.
4.  Tap “LIFE LOG”.
5.  Tap “Sleep”.
6.  Configure “Sleeping Time” and “Waking Time” settings.



## Specifying a Daily Step Count Target






You can use CASIO WATCHES to specify daily step count target values.

### Important!

- A target value cannot be specified using watch operations. Use the CASIO WATCHES phone app to configure settings.

### Check the connection

- Make sure the  symbol is shown on the watch display when you perform the procedure below. If  is not displayed, refer to the information at the link below.  
[Connecting with a Phone Paired With the Watch](#)

1.  Tap the “CASIO WATCHES” icon.
2.  In the upper right corner of the screen, tap .
3.  Tap “User Profile”.
4.  Select the setting you want to change and then perform the operation shown on the screen.



### Note





- In addition to target values, you can also configure settings to alert you when a target is reached.

## Configuring Watch Settings

After establishing a connection between the watch and the CASIO WATCHES phone app, you can use the phone app to configure various watch function settings and to view information acquired by the watch.

### Check the connection

- Make sure the  symbol is shown on the watch display when you perform the procedure below. If  is not displayed, refer to the information at the link below.  
[Connecting with a Phone Paired With the Watch](#)

1.  Tap the “CASIO WATCHES” icon.
2.  Tap the “My Watch” tab.
3.  Select “GPR-H1000” and tap it.
4.  Select the setting you want to change and then perform the operation shown on the screen.



## Other Settings

This section explains other watch settings you can configure.

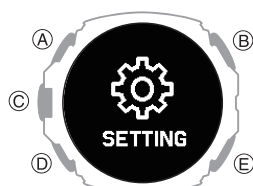
### Changing the Watch Face

There are five patterns that you can use for the current time screen. You can select the pattern that suits your current lifestyle.

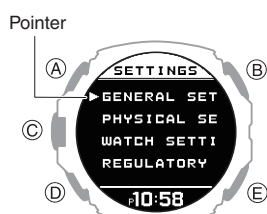
For details about the five watch faces, see the information below.

🔍 [Specifying a Watch Face](#)

1. Display the current time screen.  
🔍 [Watch Mode](#)
2. Hold down (A) for at least two seconds.  
This enters the Control Mode.
3. Use (A) and (D) to select [SETTING].



4. Press (C).  
This displays the setting menu screen.



5. Use (A) and (D) to move the pointer to [WATCH SETTINGS].
6. Press (C).
7. Use (A) and (D) to move the pointer with [WATCH FACE].
8. Press (C).

9. Use (A) and (D) to move the pointer with the watch face you want to select.



- For details about displaying and customizing each watch face, see the information below.

🔍 [Specifying a Watch Face](#)

10. Press (C) to complete the setting operation.

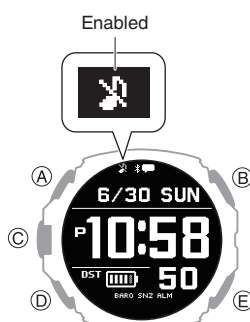
After the setting operation is complete, a check mark appears for a few seconds, and then the watch face setting screen reappears.

11. Hold down (E) for at least one second to return to the current time screen.

### Turning On Silent Mode

While the silent mode is turned on, the watch only vibrates for notifications regardless of the beep and vibration notification settings. Illumination will not turn on while a notification or button operation is in progress.

1. Display the current time screen.  
🔍 [Watch Mode](#)
2. Hold down (E) for at least three seconds to toggle silent mode on or off.  
  - Turning on silent mode causes [🔇] to appear on the display.



### Note

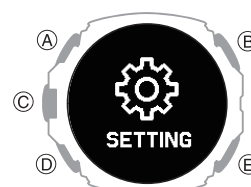
- If the beeper alert and vibration are turned off and silent mode is turned on, beeper, vibration, and light notification operations are not performed.

### Enabling Step Reminder

Step Reminder displays an indicator and performs a sound or vibration alert when the watch determines you have not walked enough during a specific period. This is valuable feedback that helps you achieve your exercise goals.

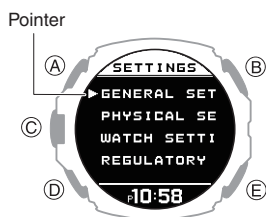
If the watch performs this Step Reminder alert operation, try walking for about five minutes.

1. Display the current time screen.  
🔍 [Watch Mode](#)
2. Hold down (A) for at least two seconds.  
This enters the Control Mode.
3. Use (A) and (D) to select [SETTING].



4. Press (C).

This displays the setting menu screen.



5. Use (A) and (D) to move the pointer to [GENERAL SETTINGS].

6. Press (C).

This displays the GENERAL SETTINGS screen.



7. Use (A) and (D) to move the pointer to [STEP REMINDER].

8. Press (C).

9. Use (A) and (D) to select the step reminder ON/OFF setting you want.

|       |                            |
|-------|----------------------------|
| [OFF] | Step reminder function off |
| [ON]  | Step reminder function on  |

10. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the step reminder function setting screen reappears.

11. Hold down (E) for at least one second to return to the current time screen.

## Note

- If you do not perform any operation for two or three minutes while the setting screen is displayed, the watch automatically returns to the current time screen.
- Even if step reminder is turned on, the watch will not perform notification if any one of the conditions below exists.
  - When the watch detects it is not being worn
  - While the current time is within the period defined by the bedtime and wake-up times you specified
  - While an activity is in progress
  - While the battery level indicator is **LOW** or lower
  - When there is a sensor error
- If behavior analysis does not detect walking and running, the watch may notify you that step reminder has determined that your step count is low.

## ● Clearing an Ongoing Notification

Press any button to clear an ongoing step reminder notification.

## Specifying the Night Time

Specify your night time.

After you specify your night time, you can link notification reception from your phone and your heart rate measurement settings NIGHT TIME.

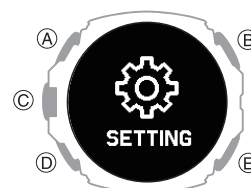
1. Display the current time screen.

[Watch Mode](#)

2. Hold down (A) for at least two seconds.

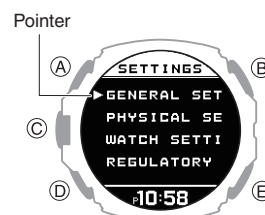
This enters the Control Mode.

3. Use (A) and (D) to select [SETTING].



4. Press (C).

This displays the setting menu screen.



5. Use (A) and (D) to move the pointer to [GENERAL SETTINGS].

6. Press (C).

This displays the GENERAL SETTINGS screen.

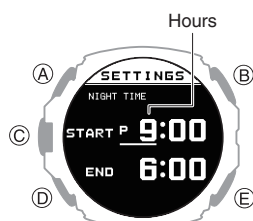


7. Use (A) and (D) to move the pointer to [NIGHT TIME].

8. Press (C).

This causes a cursor to appear at the hour setting of the night time start time.

9. Use (A) and (D) to change the start time hour setting.



10. Press (C).

This causes the cursor to move to the start time minute setting.

11. Use (A) and (D) to change the start time minute setting.



12. Press (C).

This causes the cursor to move to the end time hour setting.

13. Use (A) and (D) to change the end time hour setting.



14. Press (C).

This causes the cursor to move to the end time minute setting.

15. Use (A) and (D) to change the end time minute setting.



16. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the night time setting screen reappears.

17. Hold down (E) for at least one second to return to the current time screen.

## Note

- The allowable night time setting range is no shorter than six hours and no longer than 12 hours. If you configure a setting outside this range, the end time is automatically corrected, so the setting is within the allowable range.
- If you do not perform any operation for two or three minutes while the setting screen is displayed, the watch automatically returns to the current time screen.
- If sleep measurement is performed while [ACTIVITY & NIGHT TIME ON] is selected for heart rate measurement, sleep measurement will start from the time set for NIGHT TIME. For the NIGHT TIME time setting, specify your normal sleep time (bedtime and wake-up time).

## Configuring Sound and Vibration Settings

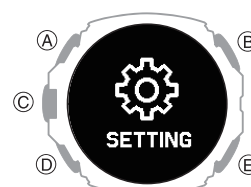
In addition to button operation and notification sounds and vibration, your watch also uses sound and vibration for alerts. You can use the procedure below to enable or disable sound and vibration.

### Note

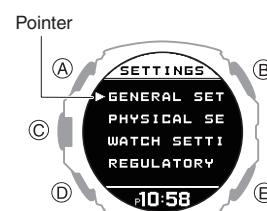
- The pattern and duration of the sound or vibration cannot be changed.
- Regardless of the beeper and vibration alert settings, illumination turns on when you perform a button operation or when an alert operation starts. Illumination that is turned on when a button operation is performed or by a notification operation cannot be turned off.

## Configuring Operation Sound and Vibration Settings

1. Display the current time screen.  
[Watch Mode](#)
2. Hold down (A) for at least two seconds.  
This enters the Control Mode.
3. Use (A) and (D) to select [SETTING].



4. Press (C).  
This displays the setting menu screen.



5. Use (A) and (D) to move the pointer to [GENERAL SETTINGS].

6. Press (C).

This displays the GENERAL SETTINGS screen.



7. Use (A) and (D) to move the pointer to [BEEP/VIBE].
8. Press (C).
9. Use (A) and (D) to move the pointer to [BUTTON OPERATION].
10. Press (C).
11. Use (A) and (D) to select operation sound and vibration settings.

|             |                                                 |
|-------------|-------------------------------------------------|
| [BEEP+VIBE] | Operation sound on,<br>Operation vibration on   |
| [BEEP]      | Operation sound on,<br>Operation vibration off  |
| [VIBE]      | Operation sound off,<br>Operation vibration on  |
| [OFF]       | Operation sound off,<br>Operation vibration off |

12. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the sound and vibration setting screen re-appears.

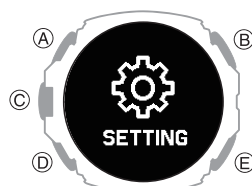
13. Hold down (E) for at least one second to return to the current time screen.

## Note

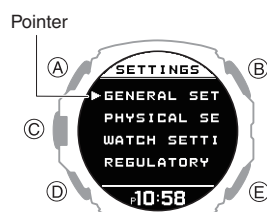
- If you do not perform any operation for two or three minutes while the setting screen is displayed, the watch automatically returns to the current time screen.

## Configuring Notification Sound and Vibration Settings

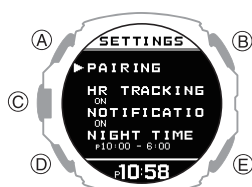
- Display the current time screen.  
[Watch Mode](#)
- Hold down (A) for at least two seconds.  
This enters the Control Mode.
- Use (A) and (D) to select [SETTING].



4. Press (C).  
This displays the setting menu screen.



5. Use (A) and (D) to move the pointer to [GENERAL SETTINGS].
6. Press (C).  
This displays the GENERAL SETTINGS screen.



7. Use (A) and (D) to move the pointer to [BEEP/VIBE].
8. Press (C).
9. Use (A) and (D) to move the pointer to [NOTIFICATIONS].
10. Press (C).

11. Use (A) and (D) to select a notification sound and vibration settings.

|             |                                                       |
|-------------|-------------------------------------------------------|
| [BEEP+VIBE] | Notification sound on,<br>notification vibration on   |
| [BEEP]      | Notification sound on,<br>notification vibration off  |
| [VIBE]      | Notification sound off,<br>notification vibration on  |
| [USER]      | On only for user-specified<br>setting items           |
| [OFF]       | Notification sound off,<br>notification vibration off |

- [USER] setting items can be changed using the CASIO WATCHES phone app.

12. Press (C) to complete the setting operation.

After the setting operation is complete, a check mark appears for a few seconds, and then the sound and vibration setting screen re-appears.

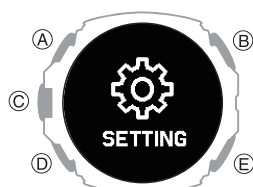
13. Hold down (E) for at least one second to return to the current time screen.

## Note

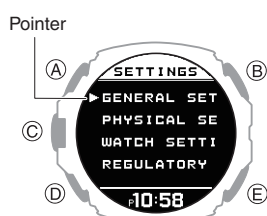
- If you do not perform any operation for two or three minutes while the setting screen is displayed, the watch automatically returns to the current time screen.

## Configuring the Auto Light Setting

1. Display the current time screen.  
[Watch Mode](#)
2. Hold down (A) for at least two seconds.  
 This enters the Control Mode.
3. Use (A) and (D) to select [SETTING].



4. Press (C).  
 This displays the setting menu screen.



5. Use (A) and (D) to move the pointer to [GENERAL SETTINGS].
6. Press (C).  
 This displays the GENERAL SETTINGS screen.
7. Use (A) and (D) to move the pointer to [LIGHT].
8. Press (C).
9. Use (A) and (D) to move the pointer to [AUTO LIGHT].
10. Press (C).
11. Use (A) and (D) to move the pointer to [OFF] (disabled) or [ON] (enabled).
12. Press (C) to complete the setting operation.  
 After the setting operation is complete, a check mark appears for a few seconds, and then the auto light setting screen re-appears.
13. Hold down (E) for at least one second to return to the current time screen.

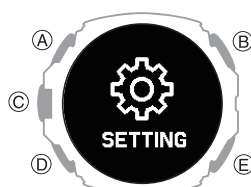
## Specifying the Illumination Duration

You can select either 1.5 seconds or five seconds as the illumination duration.

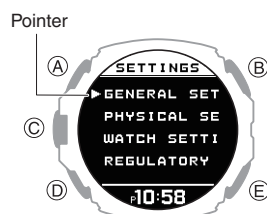
The illumination duration setting is applied as described below.

- Illumination triggered by a button operation
- Auto Light illumination
- Illumination that is triggered by Auto Lap, a notification, an alarm or some other notification operation

1. Display the current time screen.  
[Watch Mode](#)
2. Hold down (A) for at least two seconds.  
 This enters the Control Mode.
3. Use (A) and (D) to select [SETTING].



4. Press (C).  
 This displays the setting menu screen.



5. Use (A) and (D) to move the pointer to [GENERAL SETTINGS].
6. Press (C).  
 This displays the GENERAL SETTINGS screen.

7. Use (A) and (D) to move the pointer to [LIGHT].
8. Press (C).
9. Use (A) and (D) to move the pointer to [DURATION].
10. Press (C).
11. Use (A) and (D) to select an illumination duration.

|        |                         |
|--------|-------------------------|
| [1.5s] | 1.5-second illumination |
| [5.0s] | 5-second illumination   |

12. Press (C) to complete the setting operation.  
 After the setting operation is complete, a check mark appears for a few seconds, and then the illumination duration setting screen re-appears.

13. Hold down (E) for at least one second to return to the current time screen.

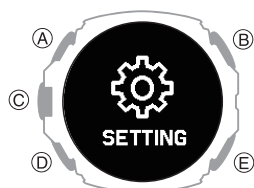
### Note

- If you do not perform any operation for two or three minutes while the setting screen is displayed, the watch automatically returns to the current time screen.

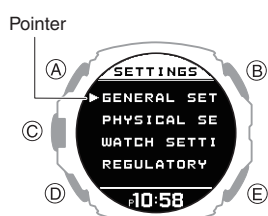
## Enabling Power Saving

If you do not plan to use the product for a long time, you can conserve power by switching to power saving mode.

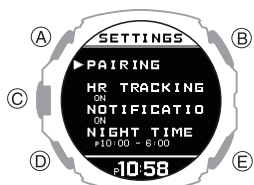
1. Display the current time screen.  
[Watch Mode](#)
2. Hold down (A) for at least two seconds.  
This enters the Control Mode.
3. Use (A) and (D) to select [SETTING].



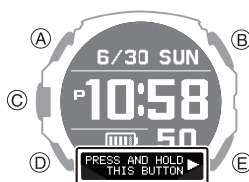
4. Press (C).  
This displays the setting menu screen.



5. Use (A) and (D) to move the pointer to [GENERAL SETTINGS].
6. Press (C).  
This displays the GENERAL SETTINGS screen.



7. Use (A) and (D) to move the pointer to [POWER SAVING].
8. Press (C).  
This enables power saving and displays [PRESS AND HOLD THIS BUTTON] at the bottom of the screen.



### Note

- If you do not perform any operation for two or three minutes while the setting screen is displayed, the watch automatically returns to the current time screen.
- Alarm and hourly time signal notification operations are disabled in Power Saving mode.

## Disabling Power Saving

Hold down (E) for at least two seconds to disable power saving.

- Disabling power saving causes [PRESS AND HOLD THIS BUTTON] to disappear at the bottom of the screen.

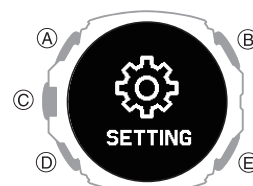
## Changing the Length and Weight Units

You can select metric units (km, m, cm, kg) or imperial units (mile, yd, ft, lb) for length (height, distance, altitude) and weight (body weight) values.

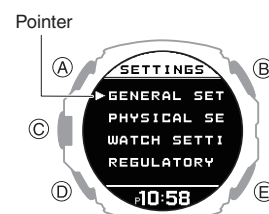
### Important!

- When Tokyo (TOKYO) is the Home City, value units are fixed as metric (km, m, cm, kg) and cannot be changed.

1. Display the current time screen.  
[Watch Mode](#)
2. Hold down (A) for at least two seconds.  
This enters the Control Mode.
3. Use (A) and (D) to select [SETTING].



4. Press (C).  
This displays the setting menu screen.



5. Use (A) and (D) to move the pointer to [GENERAL SETTINGS].
6. Press (C).  
This displays the GENERAL SETTINGS screen.



7. Use (A) and (D) to move the pointer to [UNITS].
8. Press (C).
9. Use (A) and (D) to move the pointer to [LENGTH & WEIGHT].
10. Press (C).
11. Use (A) and (D) to select the length and weight units you want.

|                   |                 |
|-------------------|-----------------|
| [km/m/cm & kg]    | Metric System   |
| [mile/yd/ft & lb] | Imperial System |

12. Press (C) to complete the setting operation.  
After the setting operation is complete, a check mark appears for a few seconds, and then the unit setting screen re-appears.
13. Hold down (E) for at least one second to return to the current time screen.

## Note


- If you do not perform any operation for two or three minutes while the setting screen is displayed, the watch automatically returns to the current time screen.
- You can also use the CASIO WATCHES phone app to change the length unit.

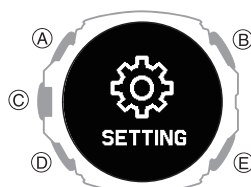
## Specifying the Calorie Display Unit

You can use the procedure below to select either calories (kcal) or joules (kJ) as the calories burned unit.

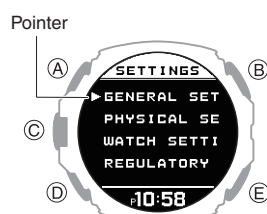
### Important!

- When Tokyo (TOKYO) is the Home City, the calories burned unit is fixed as kilocalories (kcal) and cannot be changed.

1. Display the current time screen.  
 [Watch Mode](#)
2. Hold down (A) for at least two seconds.  
This enters the Control Mode.
3. Use (A) and (D) to select [SETTING].



4. Press (C).  
This displays the setting menu screen.



5. Use (A) and (D) to move the pointer to [GENERAL SETTINGS].
6. Press (C).  
This displays the GENERAL SETTINGS screen.



7. Use (A) and (D) to move the pointer to [UNITS].
8. Press (C).
9. Use (A) and (D) to move the pointer to [ENERGY].
10. Press (C).
11. Use (A) and (D) to select the calorie unit you want.

|        |              |
|--------|--------------|
| [kcal] | Kilocalories |
| [kJ]   | Kilojoules   |

12. Press (C) to complete the setting operation.  
After the setting operation is complete, a check mark appears for a few seconds, and then the unit setting screen re-appears.
13. Hold down (E) for at least one second to return to the current time screen.

## Note

- If you do not perform any operation for two or three minutes while the setting screen is displayed, the watch automatically returns to the current time screen.
- You can also use the CASIO WATCHES phone app to change the calories burned unit.



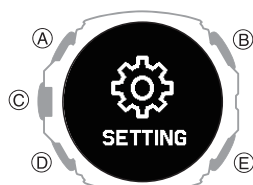
## Specifying the Barometric Pressure Unit

You can specify either hectopascals (hPa) or inches of mercury (inHg) as the display unit for barometric pressure values.

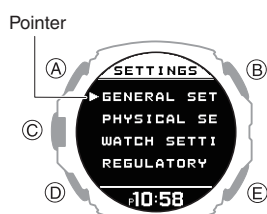
### Important!

- When Tokyo (TOKYO) is the Home City, the barometric pressure unit is fixed as hectopascals (hPa) and cannot be changed.

- Display the current time screen.  
[Watch Mode](#)
- Hold down (A) for at least two seconds.  
This enters the Control Mode.
- Use (A) and (D) to select [SETTING].



- Press (C).  
This displays the setting menu screen.



- Use (A) and (D) to move the pointer to [GENERAL SETTINGS].
- Press (C).  
This displays the GENERAL SETTINGS screen.



- Use (A) and (D) to move the pointer to [UNITS].
- Press (C).
- Use (A) and (D) to move the pointer to [BAROMETER].
- Press (C).
- Use (A) and (D) to select a barometric pressure unit.

|        |                   |
|--------|-------------------|
| [hPa]  | Hectopascals      |
| [inHg] | Inches of mercury |

- Press (C) to complete the setting operation.  
After the setting operation is complete, a check mark appears for a few seconds, and then the unit setting screen re-appears.
- Hold down (E) for at least one second to return to the current time screen.

### Note

- If you do not perform any operation for two or three minutes while the setting screen is displayed, the watch automatically returns to the current time screen.
- You can also use the CASIO WATCHES phone app to change the barometric pressure unit.

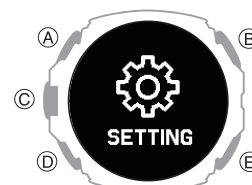
## Specifying the Temperature Unit

You can select either Celsius (°C) or Fahrenheit (°F) as the temperature display unit.

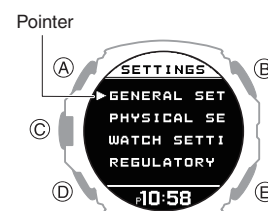
### Important!

- When Tokyo (TOKYO) is the Home City, the temperature unit is fixed as Celsius (°C) and cannot be changed.

- Display the current time screen.  
[Watch Mode](#)
- Hold down (A) for at least two seconds.  
This enters the Control Mode.
- Use (A) and (D) to select [SETTING].



- Press (C).  
This displays the setting menu screen.



- Use (A) and (D) to move the pointer to [GENERAL SETTINGS].
- Press (C).  
This displays the GENERAL SETTINGS screen.



7. Use (A) and (D) to move the pointer to [UNITS].
8. Press (C).
9. Use (A) and (D) to move the pointer to [TEMPERATURE].
10. Press (C).
11. Use (A) and (D) to select a temperature unit.

|      |            |
|------|------------|
| [°C] | Celsius    |
| [°F] | Fahrenheit |

12. Press (C) to complete the setting operation.  
After the setting operation is complete, a check mark appears for a few seconds, and then the unit setting screen re-appears.
13. Hold down (E) for at least one second to return to the current time screen.

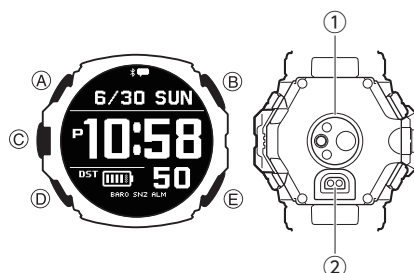
## Note

- If you do not perform any operation for two or three minutes while the setting screen is displayed, the watch automatically returns to the current time screen.
- You can also use the CASIO WATCHES phone app to change the temperature unit.

## Basic Information

This section provides the names of each watch part, as well as basic information and operations you need to know.

## General Guide



### A button

While the current time screen is displayed, press and hold this button for at least two seconds to switch to the Control Mode.

While a setting screen is displayed, pressing this button scrolls available menu items upwards.

### B button

Press to turn on illumination.

### C button

Press this button while the current time screen is displayed to switch to Activity Mode.

Pressing this button while any mode setting screen is displayed applies all of the screen's pending settings and changes.

### D button

Pressing this button while a setting screen is displayed scrolls available menu items downwards.

### E button

Hold down this button for at least one second to return to the current time screen.

While configuring settings, pressing this button goes back to the previous screen.

### ① Optical sensor (heart rate detection)

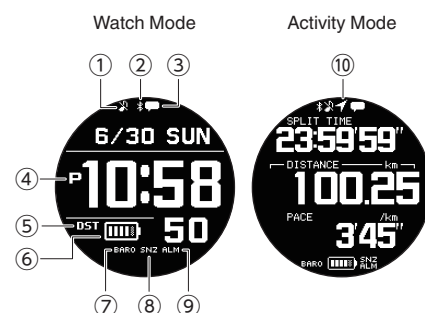
Detects your pulse for heart rate measurement.

### ② Charging terminal

Plug in the charger cable here to connect to a device with a USB terminal for charging.

[Charging with the Charger Cable](#)

## Indicators



- ① Indicates the watch is in Silent Mode.
- ② Airplane Mode/Bluetooth icon  
: Displayed while the Airplane Mode is enabled.  
: Displayed while there is a connection between the watch and a phone.
  - While re-connection with your phone is being attempted after loss of the connection, this indicator flashes at one-second intervals.
  - While re-connection with your phone is not being attempted after loss of the connection, this indicator flashes at two-second intervals.
- ③ Appears when there are new notifications on your phone.
- ④ Displayed during p.m. times while 12-hour timekeeping is being used.
- ⑤ Displayed when the indicated time is summer time.
- ⑥ Shows the current battery level.
- ⑦ Displayed while barometric pressure change indication is enabled.
- ⑧ Displayed when an alarm or the smart alarm snooze function is turned on.
- ⑨ Displayed when an alarm or the smart alarm is turned on.
- ⑩ Airplane Mode/GPS icon  
: Displayed while the Airplane Mode is enabled.  
: Indicates GPS receive is in progress.

## Viewing the Face in the Dark

The watch has a light that illuminates the face for viewing in the dark.

- The light turns on each time you perform a button operation.
- Illumination is turned on when the sounds or vibrations start by Auto Lap, notification or alarm etc. Illumination that is turned on by a notification operation cannot be turned off.

### ● To illuminate the face manually

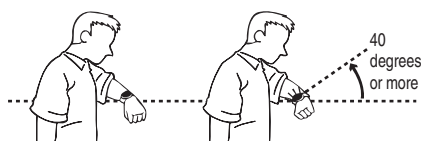
Press (B) to turn on illumination.

- Illumination will turn off automatically if an alarm starts to sound.



### ● Using Auto Light

If Auto Light is enabled, face illumination will turn on automatically whenever the watch is positioned at an angle of 40 degrees or more.



For information about enabling Auto Light, see the information below.

[Configuring the Auto Light Setting](#)

### Important!

- Auto Light may not operate properly when the watch is at a horizontal angle of 15 degrees or greater from horizontal as shown in the illustration below.



- Electro-static charge or magnetism can interfere with proper auto light operation. If this happens, try lowering your arm and then angle it towards your face again.
- When moving the watch you may note a slight rattling sound. This is due to operation of the auto light switch, which determines the current orientation of the watch. It does not indicate malfunction.

### Note

- If Auto Light is enabled, face illumination may be delayed if you angle the watch towards your face while a compass, altitude, barometric pressure, or temperature reading operation is being performed.

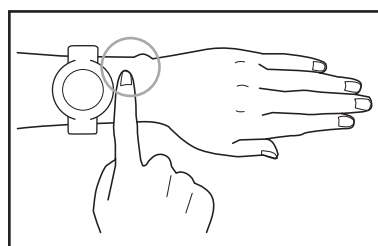
## Fastening the Watch to Your Wrist

Correctly wearing the watch on your wrist is essential to obtain accurate heart rate, breathing exercise, and sleep measurements. Especially when using the watch while running or performing other strenuous exercises, make the adjustments described below to ensure that the watch does not shake or shift.

1. With the watch fastened loosely on your wrist, place at least one finger to the right of the watch\* (Figure).

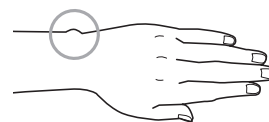
\* If you wear the watch on your right wrist, place your finger(s) to the left of the (C) button (left side of the watch).

Figure



2. Position the watch so there is at least one finger width between it and the bone that protrudes from the side of your wrist (Figure).

- The location and shape of this bone (circled in the illustration) differ from person to person.



3. After you determine the best wrist position for the watch, tighten the band securely enough to keep the watch from sliding on your wrist.

### Important!

- A band that is snugly tightened for heart rate or other measurements can make it difficult for air to pass under the band and cause you to sweat, which can lead to skin irritation. After measuring your heart rate, loosen the band enough so you can insert a finger between it and your wrist.
- Wearing the watch for long periods, sweat, or certain usage environments create the risk of skin rash. To prevent skin problems, regularly remove your watch from your wrist to give your skin some time to rest.
- The watch is not fastened correctly to your wrist if you can see green light coming out from behind the watch.
- Keep your arms still during breathing exercise measurement.
- For details about how to wear the watch during blood oxygen level measurements, see the information below.

[Measuring Your Blood Oxygen Level](#)

## Updating the Watch's Software Version



Updating (upgrading) the watch software improves function and watch operation. Makes sure that you keep watch software updated to the latest version.

### ● Updating Watch Software

You should use the CASIO WATCHES phone app to update (upgrade) your watch's software.

A notification on the CASIO WATCHES phone app screen lets you know when a software update is available. Follow the instructions on the screen to update the software.

#### Check the connection

- Make sure the  symbol is shown on the watch display when you perform the procedure below. If  is not displayed, refer to the information at the link below.  
[Connecting with a Phone Paired With the Watch](#)

1. Tap the "CASIO WATCHES" icon.
2. Tap the "My Watch" tab.
3. Select "GPR-H1000" and tap it.
4. Perform the operation shown on the screen to update the watch software version.

#### Important!


- Ensure the Watch Mode timekeeping screen is displayed when updating the watch software.
- Software updating can take up to 30 minutes.
- It is recommended that you have the watch connected to its charging cable and charging before you start a software update operation.
- If you are unable to update the software for some reason, visit the website below.


<https://support.casio.com/wat/app/3554/en/>

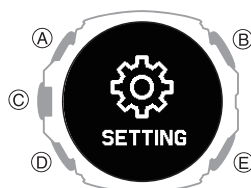
## Resetting Watch Settings

This section explains how to return the watch time, date, and other settings, as well as the log to their initial factory defaults.

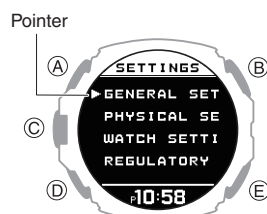
#### Important!

- Once you perform a reset operation, you cannot restore pre-reset settings.
- Reset the watch settings is not possible under the conditions described below.
  - While the battery level indicator is  or lower

1. Display the current time screen.  
 [Watch Mode](#)
2. Hold down (A) for at least two seconds.  
This enters the Control Mode.
3. Use (A) and (D) to select [SETTING].



4. Press (C).  
This displays the setting menu screen.



5. Use (A) and (D) to move the pointer to [GENERAL SETTINGS].
6. Press (C).  
This displays the GENERAL SETTINGS screen.
7. Use (A) and (D) to move the pointer to [RESET].
8. Press (C).

9. Use (A) and (D) to move the pointer to [YES].

- To stop the reset operation, move the pointer to [NO].

10. Press (C).

After the reset operation is complete, the watch will return to the current time screen. The reset operation is complete when [AC] appears in the lower right corner of the display.

11. Press (A) to clear [AC] from the display.

#### Note

- Resetting the watch will also delete information for pairing the watch with a phone, and unpair them.

## Phone Finder

You can use phone finder to trigger a sound on the paired phone to help you find it. The sound operation is performed even if your phone is in vibrate mode.

### Important!

- Phone finder will not sound the tone unless the CASIO WATCHES phone app is running on the phone.
- Do not use this function in areas where phone call tones are restricted.
- The tone sounds at a high volume. Do not use this function when listening to phone output over earphones.

1. Display the current time screen.  
[Watch Mode](#)
2. Hold down (A) for at least two seconds.  
This enters the Control Mode.
3. Use (A) and (D) to move the pointer to [PHONE FINDER].



4. Press (C).  
This will establish a connection between the watch and phone, and sound the phone's ringtone.
  - It will take a few seconds before the phone tone sounds.
  - [FAILED] appears when a phone finder operation is unsuccessful.
5. Press any button to stop the sound.
  - You can press any watch button to stop the phone tone only during the first 30 seconds after it starts to sound.

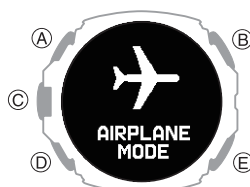
### Note

- Connection with your phone is not possible while the watch's Airplane Mode is enabled. To connect with your phone, disable the Airplane Mode.  
[Entering the Watch Airplane Mode](#)

## Entering the Watch Airplane Mode

When you are in a hospital, on an aircraft, or in any other location where connection with a phone or reception of GPS signals may cause problems, turn on the watch's Airplane Mode. To turn off the Airplane Mode, perform the same operation again.

1. Display the current time screen.  
[Watch Mode](#)
2. Hold down (A) for at least two seconds.  
This enters the Control Mode.
3. Use (A) and (D) to select [AIRPLANE MODE].



4. Press (C).
5. Use (A) and (D) to select an Airplane Mode setting.

|       |                        |
|-------|------------------------|
| [OFF] | Exits Airplane Mode.   |
| [ON]  | Enables Airplane Mode. |

6. Press (C) to complete the setting operation.  
After the setting operation is complete, a check mark appears for a few seconds, and then the Airplane Mode screen reappears.
7. Press (E) to exit the setting screen.
  - is displayed while the watch is in the Airplane Mode.

## Other Information

This section provides non-operational information you also need to know. Refer to this information as required.

### City Table

| City                |                            | Offset |
|---------------------|----------------------------|--------|
| UTC                 | Coordinated Universal Time | 0      |
| LONDON              | London                     | 0      |
| PARIS               | Paris                      | +1     |
| ATHENS              | Athens                     | +2     |
| JEDDAH              | Jeddah                     | +3     |
| TEHRAN              | Tehran                     | +3.5   |
| DUBAI               | Dubai                      | +4     |
| KABUL               | Kabul                      | +4.5   |
| KARACHI             | Karachi                    | +5     |
| DELHI               | Delhi                      | +5.5   |
| KATHMANDU           | Kathmandu                  | +5.75  |
| DHAKA               | Dhaka                      | +6     |
| YANGON              | Yangon                     | +6.5   |
| BANGKOK             | Bangkok                    | +7     |
| HONG KONG           | Hong Kong                  | +8     |
| EUCLA               | Eucla                      | +8.75  |
| TOKYO               | Tokyo                      | +9     |
| ADELAIDE            | Adelaide                   | +9.5   |
| SYDNEY              | Sydney                     | +10    |
| LORD HOWE ISLAND    | Lord Howe Island           | +10.5  |
| NOUMEA              | Noumea                     | +11    |
| WELLINGTON          | Wellington                 | +12    |
| CHATHAM ISLAND      | Chatham Islands            | +12.75 |
| NUKU'ALOFA          | Nuku'alofa                 | +13    |
| KIRITIMATI          | Kiritimati                 | +14    |
| BAKER ISLAND        | Baker Island               | -12    |
| PAGO PAGO           | Pago Pago                  | -11    |
| HONOLULU            | Honolulu                   | -10    |
| MARQUESAS ISLANDS   | Marquesas Islands          | -9.5   |
| ANCHORAGE           | Anchorage                  | -9     |
| LOS ANGELES         | Los Angeles                | -8     |
| DENVER              | Denver                     | -7     |
| CHICAGO             | Chicago                    | -6     |
| NEW YORK            | New York                   | -5     |
| HALIFAX             | Halifax                    | -4     |
| ST. JOHN'S          | St. John's                 | -3.5   |
| RIO DE JANEIRO      | Rio de Janeiro             | -3     |
| FERNANDO DE NORONHA | Fernando de Noronha        | -2     |
| PRAIA               | Praia                      | -1     |

- The information in the above table is current as of July 2023.
- Time zones may change and UTC differentials may become different from those shown in the table above. If this happens, connect the watch with a phone to update the watch with the latest time zone information.

## Summer Time Table

When [AUTO] is selected for a city that observes summer time, switching between standard time and summer time will be performed automatically at the timing shown in the table below.

### Note

- Summer time start and end dates for your current location may be different from those shown below. If this happens, you can have new summer time information for your Home City and World Time City sent to the watch by connecting the watch with a phone. If the watch is not connected with a phone, you can change the summer time setting manually.

| City Name        | Summer Time Start               | Summer Time End                 |
|------------------|---------------------------------|---------------------------------|
| London           | 01:00, last Sunday in March     | 02:00, last Sunday in October   |
| Paris            | 02:00, last Sunday in March     | 03:00, last Sunday in October   |
| Athens           | 03:00, last Sunday in March     | 04:00, last Sunday in October   |
| Tehran           | 00:00, March 22 or 21           | 00:00, September 22 or 21       |
| Sydney, Adelaide | 02:00, first Sunday in October  | 03:00, first Sunday in April    |
| Lord Howe Island | 02:00, first Sunday in October  | 02:00, first Sunday in April    |
| Wellington       | 02:00, last Sunday in September | 03:00, first Sunday in April    |
| Chatham Islands  | 02:45, last Sunday in September | 03:45, first Sunday in April    |
| Anchorage        | 02:00, second Sunday in March   | 02:00, first Sunday in November |
| Los Angeles      | 02:00, second Sunday in March   | 02:00, first Sunday in November |
| Denver           | 02:00, second Sunday in March   | 02:00, first Sunday in November |
| Chicago          | 02:00, second Sunday in March   | 02:00, first Sunday in November |
| New York         | 02:00, second Sunday in March   | 02:00, first Sunday in November |
| Halifax          | 02:00, second Sunday in March   | 02:00, first Sunday in November |
| St. John's       | 02:00, second Sunday in March   | 02:00, first Sunday in November |

- The information in the above table is current as of July 2023.

## Fitness Categories

### Men

| Age         | Evaluation | Value |
|-------------|------------|-------|
| 24 or below | VERY LOW   | <32   |
|             | LOW        | 32-37 |
|             | FAIR       | 38-43 |
|             | MODERATE   | 44-50 |
|             | GOOD       | 51-56 |
|             | VERY GOOD  | 57-62 |
| 25-29       | ELITE      | >62   |
|             | VERY LOW   | <31   |
|             | LOW        | 31-35 |
|             | FAIR       | 36-42 |
|             | MODERATE   | 43-48 |
|             | GOOD       | 49-53 |
| 30-34       | VERY GOOD  | 54-59 |
|             | ELITE      | >59   |
|             | VERY LOW   | <29   |
|             | LOW        | 29-34 |
|             | FAIR       | 35-40 |
|             | MODERATE   | 41-45 |
| 35-39       | GOOD       | 46-51 |
|             | VERY GOOD  | 52-56 |
|             | ELITE      | >56   |
|             | VERY LOW   | <28   |
|             | LOW        | 28-32 |
|             | FAIR       | 33-38 |
| 40-44       | MODERATE   | 39-43 |
|             | GOOD       | 44-48 |
|             | VERY GOOD  | 49-54 |
|             | ELITE      | >54   |
|             | VERY LOW   | <26   |
|             | LOW        | 26-31 |
| 45-49       | FAIR       | 32-35 |
|             | MODERATE   | 36-41 |
|             | GOOD       | 42-46 |
|             | VERY GOOD  | 47-51 |
|             | ELITE      | >51   |
|             | VERY LOW   | <25   |
| 50-54       | LOW        | 25-29 |
|             | FAIR       | 30-34 |
|             | MODERATE   | 35-39 |
|             | GOOD       | 40-43 |
|             | VERY GOOD  | 44-48 |
|             | ELITE      | >48   |
| 55-59       | VERY LOW   | <24   |
|             | LOW        | 24-27 |
|             | FAIR       | 28-32 |
|             | MODERATE   | 33-36 |
|             | GOOD       | 37-41 |
|             | VERY GOOD  | 42-46 |
|             | ELITE      | >46   |
|             | VERY LOW   | <22   |
|             | LOW        | 22-26 |
|             | FAIR       | 27-30 |
|             | MODERATE   | 31-34 |
|             | GOOD       | 35-39 |
|             | VERY GOOD  | 40-43 |
|             | ELITE      | >43   |



| Age         | Evaluation | Value |
|-------------|------------|-------|
| 60 or above | VERY LOW   | <21   |
|             | LOW        | 21-24 |
|             | FAIR       | 25-28 |
|             | MODERATE   | 29-32 |
|             | GOOD       | 33-36 |
|             | VERY GOOD  | 37-40 |
|             | ELITE      | >40   |

## Women

| Age         | Evaluation | Value |
|-------------|------------|-------|
| 24 or below | VERY LOW   | <27   |
|             | LOW        | 27-31 |
|             | FAIR       | 32-36 |
|             | MODERATE   | 37-41 |
|             | GOOD       | 42-46 |
|             | VERY GOOD  | 47-51 |
|             | ELITE      | >51   |
| 25-29       | VERY LOW   | <26   |
|             | LOW        | 26-30 |
|             | FAIR       | 31-35 |
|             | MODERATE   | 36-40 |
|             | GOOD       | 41-44 |
|             | VERY GOOD  | 45-49 |
|             | ELITE      | >49   |
| 30-34       | VERY LOW   | <25   |
|             | LOW        | 25-29 |
|             | FAIR       | 30-33 |
|             | MODERATE   | 34-37 |
|             | GOOD       | 38-42 |
|             | VERY GOOD  | 43-46 |
|             | ELITE      | >46   |
| 35-39       | VERY LOW   | <24   |
|             | LOW        | 24-27 |
|             | FAIR       | 28-31 |
|             | MODERATE   | 32-35 |
|             | GOOD       | 36-40 |
|             | VERY GOOD  | 41-44 |
|             | ELITE      | >44   |
| 40-44       | VERY LOW   | <22   |
|             | LOW        | 22-25 |
|             | FAIR       | 26-29 |
|             | MODERATE   | 30-33 |
|             | GOOD       | 34-37 |
|             | VERY GOOD  | 38-41 |
|             | ELITE      | >41   |
| 45-49       | VERY LOW   | <21   |
|             | LOW        | 21-23 |
|             | FAIR       | 24-27 |
|             | MODERATE   | 28-31 |
|             | GOOD       | 32-35 |
|             | VERY GOOD  | 36-38 |
|             | ELITE      | >38   |
| 50-54       | VERY LOW   | <19   |
|             | LOW        | 19-22 |
|             | FAIR       | 23-25 |
|             | MODERATE   | 26-29 |
|             | GOOD       | 30-32 |
|             | VERY GOOD  | 33-36 |
|             | ELITE      | >36   |

| Age         | Evaluation | Value |
|-------------|------------|-------|
| 55-59       | VERY LOW   | <18   |
|             | LOW        | 18-20 |
|             | FAIR       | 21-23 |
|             | MODERATE   | 24-27 |
|             | GOOD       | 28-30 |
|             | VERY GOOD  | 31-33 |
|             | ELITE      | >33   |
| 60 or above | VERY LOW   | <16   |
|             | LOW        | 16-18 |
|             | FAIR       | 19-21 |
|             | MODERATE   | 22-24 |
|             | GOOD       | 25-27 |
|             | VERY GOOD  | 28-30 |
|             | ELITE      | >30   |

Source:

Shvartz E Reibold RC: Aerobic fitness norms for males and females aged 6 to 75 years: a review. Aviat Space Environ Med;61:3-11 1990 Shvartz E, Reibold RC.

## Supported Phones

For information about phones that can connect with the watch, visit the CASIO website.

[https://world.casio.com/os\\_mobile/wat/](https://world.casio.com/os_mobile/wat/)

## Specifications

### Accuracy :

±15 seconds per month when time adjustment by communication with a phone is not possible.

### Basic Functions :

Hour, minute, second, month, day, day of the week

a.m./p.m. (P), 24-hour timekeeping

Full Auto Calendar (2000 to 2099)

### GPS :

GNSS

GPS, QZSS, Galileo, Beidou, GLONASS

Bandwidth

L1/L5

### Mobile Link :

Function linking by wireless connection with Bluetooth® compatible devices\*

\* Operation enhanced by Mobile Link

Auto Time Correction

Simple time setting

Function re-ordering and number of function specification

World Time: Current time in 300 cities (38 time zones, auto summer time switching), and UTC (Coordinated Universal Time) time

Watch settings

Tide Graph: Information on approximately 3,300 global points

Data updating

Updating of time zone and summer time rule information

Activity function setup

Activity re-ordering and number of activity

Activity display customization

Target alert setting (time, distance, altitude, calories burned)

Altitude navigation settings

Activity log data management

Activity log data, lap data management

Training analysis results

Notifications

Phone finder

Communication Specifications

Bluetooth®

Frequency band: 2400 MHz to 2480 MHz

Transmission power: 1.6 mW (2 dBm)

Communication range: Up to 2 meters (depends on environment)



## Activity Function :

Multi-sports (running, trekking, walking, biking, swimming, etc.)  
Distance, speed, pace, and other information calculated using GPS and accelerometer data  
Auto/Manual lap  
Auto Pause

## Training Analysis :

Cardio load status

## Activity log data :

Up to 100 runs, up to 200 lap records per run  
Measurement time, distance, pace, running index, calories burned, energy source used, heart rate, maximum heart rate, cardio load, cadence, maximum cadence, stride, altitude gained, stroke count, SWOLF

## Digital Compass :

Measurement range: 0° to 359°  
16-direction display  
Auto level correction

## Barometric Pressure Measurement :

Measurement range: 260 to 1,100 hPa (or 7.65 to 32.45 inHg)  
Display range: 260 to 1,100 hPa (or 7.65 to 32.45 inHg)  
Measurement unit: 1 hPa (or 0.05 inHg)  
Auto measurement interval: 2 hours  
Barometric pressure graph  
Barometric pressure change indication

## Temperature Measurement :

Measuring range: -10.0 to 60.0 °C (or 14.0 to 140.0 °F)  
Display range: -10.0 to 60.0 °C (or 14.0 to 140.0 °F)  
Measuring unit: 0.1 °C (or 0.2 °F)

## Altimeter :

Measuring range: -700 to 10,000 m (or -2,300 to 32,800 ft.)  
Display range: -10,000 to 10,000 m (or -32,800 to 32,800 ft.)  
Measuring unit: 1 m (or 5 ft.)  
Measuring interval: 2 minutes/5 seconds  
Altitude differential measurement: -3,000 to +3,000 m (or -9,840 to 9,840 ft.)  
Altitude graph

## Wrist heart rate measurement :

Measurement range: 30 to 220 bpm  
Target heart rate setting  
Graphic heart rate zones  
Heart rate graph  
Maximum/minimum heart rate

## Sensor Accuracy :

Temperature  
Measurement accuracy: Within  $\pm 2.0$  °C ( $\pm 3.6$  °F)  
Guaranteed accuracy temperature range: -10 to 60 °C (14 to 140 °F)  
Pressure  
Measurement accuracy: Within  $\pm 3$  hPa (0.1 inHg) (Altimeter measurement accuracy: Within  $\pm 75$  meters (246 ft.))  
Accuracy guaranteed temperature range: -10 to 40 °C (14 to 104 °F)

## Step Count :

Step count measurement using a 3-axis accelerometer  
Step count display range: 0 to 99,999 steps  
Step count reset: Auto reset at midnight each day

## Blood Oxygen Level\* :

Measurement range: 80% to 100%  
Measurement unit: 1%  
\* The blood oxygen level measurement function is not intended as a medical device for diagnosing specific diseases. It is intended for general health maintenance only.

## Sleep Measurement :

Sleep recovery status: 6 stages  
Sleep recovery level display  
Sleep status: 5 stages  
Sleep score display range: 1 to 100  
Measurement unit: 1  
Autonomic nerve status: 5 stages  
ANS score range: -10 to +10  
Measurement unit: 0.1

## Breathing Exercise :

Setting range: 2 to 20 minutes  
Setting unit: 1 minute  
Biofeedback  
Summary of time spent in each zone

## Life Log :

Step Count  
Step graph (week, month, 6 months)  
Calories burned measurement  
Active time measurement

## Almanac :

Sunrise/Sunset times display ([--:--]) displayed when calculation results cannot be output for some reason or in regions outside of 65.0° south to 65.0° north latitude.)  
Moon age

## Tide Function :

Tide Graph

## Stopwatch :

Measuring unit: 1 second  
Measuring capacity: 99:59:59" (100 hours)  
Split times

## Timer :

Setting unit: 1 second  
Measuring unit: 1 second  
Maximum setting: 60 minutes

## World Time :

Displays current time in 38 cities (38 time zones)\* and UTC, Auto DST  
\* Subject to updates by connection between the watch and a phone.

## Other :

Power Saving  
LED backlight (Full Auto Light, Super Illuminator, afterglow, 1.5 or 5-second selectable illumination duration)  
Charge Level Indication  
Operation sound enable/disable  
Vibration  
Airplane Mode  
4 alarms (with snooze)  
Smart alarm (with snooze)  
Step reminder  
Floor elevation measurement

## Accessories :

Charger cable  
When unpackaging, check to make sure everything is included. If something is missing, contact your original retailer.

## Power Supply :

Lithium-ion battery

## Power Consumption :

0.0W\*  
\* Measured standby power measurement per (EU)2023/826

## Battery Operating Time :

The battery operating times in the table below are intended as general guidelines. Operating time differs according display time and how the watch is used.

### Watch Mode

| Settings                                                 | Battery Operating Time (Approx.) |
|----------------------------------------------------------|----------------------------------|
| Heart rate *1 + Sleep                                    |                                  |
| [ACTIVITY & NIGHT TIME ON] + Worn during sleep (8 hours) | 14 days                          |
| [ACTIVITY & NIGHT TIME ON] + Not worn during sleep       | 2 months                         |
| [ON] + Worn during sleep (8 hours)                       | 7 days                           |
| [ON] + Not worn during sleep                             | 10 days                          |
| [OFF]                                                    | 2 months                         |

### Activity Mode

- RUNNING/WALKING group, TREKKING, BIKING, OTHER ACTIVITY

| Settings                           | Battery Operating Time (Approx.) |
|------------------------------------|----------------------------------|
| Heart Rate *1                      | GPS *2                           |
| [ACTIVITY & NIGHT TIME ON] or [ON] | [HIGH] 14 hours                  |
|                                    | [NORMAL] 16 hours                |
|                                    | [LONG] 19 hours                  |

- GYM WORKOUT

| Settings                           | Battery Operating Time (Approx.) |
|------------------------------------|----------------------------------|
| Heart Rate *1                      | GPS *2                           |
| [ACTIVITY & NIGHT TIME ON] or [ON] | - 79 hours                       |

- POOL SWIMMING

| Settings      | Battery Operating Time (Approx.) |
|---------------|----------------------------------|
| Heart Rate *1 | GPS *2                           |
| -             | - 50 hours                       |

- OPEN WATER SWIMMING

| Settings      | Battery Operating Time (Approx.) |
|---------------|----------------------------------|
| Heart Rate *1 | GPS *2                           |
| -             | [NORMAL] 15 hours                |

### \*1 Heart rate measurement settings











- [ACTIVITY & NIGHT TIME ON]: Enable during activities and night time only
- [ON]: Always enabled
- [OFF]: Always off (No measurement while sleeping.)

### \*2 GPS

- [HIGH]: Continuous measurement with Band L1 or L5
- [NORMAL]: Continuous measurement with Band L1
- [LONG]: Intermittent measurement with Band L1 + Turn angle judgment


Specifications are subject to change without notice.

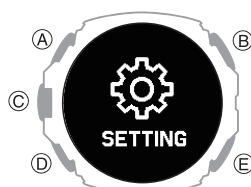
## Message Screen List

| Indicator:                                                                            | Meaning:                                      |
|---------------------------------------------------------------------------------------|-----------------------------------------------|
|    | Watch battery level is low. Charge the watch. |
|    | Watch battery level is low. Charge the watch. |
|    | Insufficient remaining memory capacity.       |
|    | Memory is full.                               |
|   | GPS signal reception starting                 |
|  | GPS signal reception in progress              |
|  | Receiving GPS                                 |
|  | GPS receive complete                          |
|  | Warning! GPS preparation failed               |
|  | Bluetooth reception in progress               |

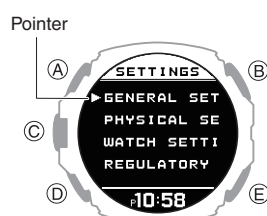
| Indicator:                                                                          | Meaning:                                                                        |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
|    | Phone connection complete.                                                      |
|    | Phone connection/pairing, or GPS signal reception failed. Try again.            |
|    | Keep the watch still during measurement.<br>Press (C) to start measurement.     |
|    | Measurement in progress. Please wait.                                           |
|   | Please wait                                                                     |
|  | No data                                                                         |
|  | Watch error. There may be a problem with the sensor. Remeasure or re-calibrate. |
|  | Watch setup reset in progress                                                   |

## Checking Wireless Compliance Information

1. Display the current time screen.  
 [Watch Mode](#)
2. Hold down (A) for at least two seconds.  
This enters the Control Mode.
3. Use (A) and (D) to select [SETTING].



4. Press (C).  
This displays the setting menu screen.



5. Use (A) and (D) to move the pointer to [REGULATORY].
6. Press (C).
7. Use (A) and (D) to select the information you want to view.
8. Hold down (E) for at least one second to return to the current time screen.

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## Software

Use the URL below to access information about software.

<https://s.casio.jp/w/10382en/>

## Troubleshooting

### Charging with the Charger Cable

**Q1** The watch won't charge with the charger cable.

Is the end of the charger cable with the special watch connector securely aligned with the watch charger terminal?

Charging may fail if there is space between the terminals.

↓ [Precautions When Charging](#)

Did you leave the watch attached to the charger cable after charging was complete?

Charging stops automatically after the watch becomes fully charged. If you want to charge again, unplug the charger cable from the watch and then re-attach it.

Is charging still impossible after checking the above points?

Check to make sure that the USB device or power source is functioning normally.

**Q2** Charging stops before it is complete.

Charging may stop if some temporary abnormality occurs. Unplug the charger cable from the watch and check for abnormalities. If there is nothing wrong, try charging again. If the above does not eliminate the problem, contact your original retailer or a CASIO service center.

### GPS Signals

**Q1** The watch cannot perform a GPS signal receive operation.

Is the watch's battery charged?

GPS signal reception is not possible while the battery indicator is **LOW** or lower.

Charge the watch.

↓ [Charging the Watch](#)

Is the watch's Airplane Mode enabled?

GPS signal reception is not possible while the watch's Airplane Mode is enabled. Disable the Airplane Mode.

↓ [Entering the Watch Airplane Mode](#)

After checking the above, the watch still cannot perform a GPS signal receive operation.

GPS signal reception is not possible under the conditions described below.

- During power saving

**Q2** The GPS signal receive operation always fails.

Is the watch in a location that is appropriate for signal reception?

Check your surroundings and move the watch to a location where GPS signal reception is better.

↓ [Appropriate Signal Reception Location](#)

Is the LCD of the watch pointed straight up at the sky?

Minimize movement of the watch while the receive operation is in progress.

Also, avoid covering the watch LCD with the sleeve of your clothing.

### Adjusting Current Time Settings Using GPS

**Q1** The watch is not receiving time information.

This model does not support auto GPS signal reception for time adjustment. If you want to receive GPS signals for time adjustment, perform a manual receive operation.

↓ [Adjusting Time Settings by Performing a Manual GPS Signal Receive Operation](#)

**Q2** A screen showing that a receive operation is in progress has been on the display for a long time.

The watch may be receiving leap second information.

↓ [Leap Second Reception](#)

**Q3** Signal reception should have been successful, but the watch's time and/or day is wrong.

Is your Home City (time zone) setting correct for your location?

Change your Home City (time zone) setting so it correctly indicates your location.

↓ [Adjusting Time Settings by Performing a Manual GPS Signal Receive Operation](#)

↓ [Setting a Home City](#)

After checking the above, the time and/or day settings is still wrong.

Adjust time and day settings manually.

## I can't pair the watch with a phone.

**Q1** I've never been able to establish a (pairing) connection between the watch and phone.

Are you using a supported phone model?

Check if the phone model and its operating system are supported by the watch.  
For information about supported phone models, visit the CASIO Website.

↓ [https://world.casio.com/os\\_mobile/wat/](https://world.casio.com/os_mobile/wat/)

Did you install the CASIO WATCHES phone app on your phone?

The CASIO WATCHES phone app needs to be installed on your phone in order to connect with the watch.

↓ [④ Pair the watch with your phone](#)

Did you enable location services?

On your phone, configure the settings below. For details about setting procedures, see your phone documentation.

- Enable your phone's location services.
- Give your phone rights to use the phone app's location information.

Are your phone's Bluetooth settings configured correctly?

Configure the phone's Bluetooth settings. For details about setting procedures, see your phone documentation.

### iPhone Users

- "Settings" → "Bluetooth" → On
- "Settings" → "Privacy" → "Bluetooth" → "CASIO WATCHES" → On

### Android Users

- Enable Bluetooth.

Other than the above.

Some phones need to have BT Smart disabled to use the CASIO WATCHES phone app. For details about setting procedures, see your phone documentation.

On the Home Screen, tap: "Menu" → "Settings" → "Bluetooth" → "Menu" → "BT Smart settings" → "Disable".

## I can't reconnect the watch and phone.

**Q1** The watch will not re-connect with the phone after they are disconnected.

Is the CASIO WATCHES phone app running?

The watch cannot re-connect with your phone unless the CASIO WATCHES phone app is running on the phone. On your phone's home screen, tap the CASIO WATCHES icon. Perform the operation shown on the screen that appears to pair with the watch.

↓ [④ Pair the watch with your phone](#)

Have you tried turning your phone off and then back on again?

Turn your phone off and then back on again, and then tap the CASIO WATCHES icon. Perform the operation shown on the screen to pair with the watch.

↓ [④ Pair the watch with your phone](#)

**Q2** I can't connect while my phone is in the Airplane Mode.

Connection with the watch is not possible while the phone's Airplane Mode is enabled. Disable your phone's Airplane Mode. On its home screen, tap the "CASIO WATCHES" icon. Next, perform the operation shown on the screen to pair with the watch.

↓ [④ Pair the watch with your phone](#)

**Q3** I can't connect while the watch is in the Airplane Mode.

Exit the watch's Airplane Mode.

↓ [Entering the Watch Airplane Mode](#)

**Q4** I changed the phone's Bluetooth from enabled to disabled, and now I can't connect anymore.

On your phone, turn on Bluetooth. Then on its home screen, tap the "CASIO WATCHES" icon. Next, perform the operation shown on the screen to pair with the watch.

↓ [④ Pair the watch with your phone](#)

**Q5** I can't connect after turning off the phone.

Turn on your phone. On its home screen, tap the CASIO WATCHES icon. Next, perform the operation shown on the screen to pair with the watch.

↓ [④ Pair the watch with your phone](#)

## I can't seem to be able to connect, or connection is unstable.

**Q1** I can't establish a connection between the phone and watch.

Have you tried turning your phone off and then back on again?

Turn your phone off and then back on again, and then tap the CASIO WATCHES icon. Perform the operation shown on the screen to pair with the watch.

↓ [④ Pair the watch with your phone](#)

Is the watch in the Airplane Mode?

Connection with your phone is not possible while the watch's Airplane Mode is enabled. To connect with your phone, disable the Airplane Mode.

↓ [Entering the Watch Airplane Mode](#)

Has the watch been re-paired with the phone?

After deleting the pairing information from the CASIO WATCHES phone app and your phone, re-pair the watch and phone.

↓ [Unpairing](#)

↓ [④ Pair the watch with your phone](#)

If you are unable to establish a connection...

After deleting pairing information from the watch, re-pair it with your phone.

↓ [Deleting Pairing Information from the Watch](#)

↓ [④ Pair the watch with your phone](#)

## Changing to a Different Phone Model

**Q1** How do I connect my watch to a different phone?

Pair the watch with the phone.

↓ [After Purchasing Another Phone](#)

## Auto Time Correction by Bluetooth Connection (Time Correction)

### Q1 When does the watch correct its time?

Your watch can connect with a paired phone to adjust its time setting. Auto time adjustment is performed at the times described below.

- After your phone's time zone or summer time setting is changed
- After 24 hours or more have passed since the last time adjustment using Bluetooth connection
- After 24 hours or more have passed since the last home city change or time adjustment using watch operation

### Q2 Auto time setting is not correct.

Is  displayed?

To preserve battery power, the watch will automatically terminate Bluetooth connection with your phone temporarily if it detects the connection has been unused for approximately one hour. Auto Time Correction is disabled while there is no connection. To reconnect, press any watch button or angle the watch towards your face.

Have 24 hours or more passed since the last time adjustment using Bluetooth connection?

Note that auto time correction is not performed for 24 hours after you adjust the time setting manually on the watch. Auto time correction will resume after 24 hours.

Have 24 hours or more passed since the last manual time adjustment or city change?

Auto time correction is not performed for 24 hours after a manual time adjustment or city change. Auto time correction will resume after 24 hours or more have elapsed after either of the above operations is performed.

Is the watch's Airplane Mode enabled?

Connection with your phone is not possible while the watch's Airplane Mode is enabled. To connect with your phone, disable the Airplane Mode.

 [Entering the Watch Airplane Mode](#)

### Q3 Time is not displayed correctly.

The phone's time setting may be incorrect because it is unable to connect with its network due to being out of range, etc. If this happens, connect the phone to its network and then adjust the time setting.

## Activity Log and Life Log

### Q1 How much Activity Log and Life Log data does the watch store?

The data storage capacity of watch memory is shown below.

- Activity Log: 100 records
- Life Log: 3 days

If there is a lot of data, it will take time to transfer the data to the CASIO WATCHES phone app. Frequent connection to the CASIO WATCHES to transfer data is recommended.

## Nightly Recharge™

### Q1 Sleep measurement (Nightly Recharge™) results are not displayed.

Sleep data cannot be acquired when any of the following conditions exist.

- Your actual sleep time does not match the current bedtime/wake-up time setting
- Sleep (from bedtime to wake up) of less than 4 hours
- Wearing the watch only while asleep and taking it off immediately after awaking
- Something other than [ON] or [ACTIVITY & NIGHT TIME ON] is selected for the heart rate measurement setting
- The watch is not fastened securely to your wrist while sleeping
- A minimum of three sleep measurement operations (one of which was the night before) not performed within the past 28 days



## Heart Rate Measurement

**Q1** [ERROR] is displayed during measurement.

There may be a problem with the sensor. Try taking another measurement. If [ERROR] keeps appearing after multiple measurement attempts, contact a CASIO service center or your original retailer.

## Altitude Measurement

**Q1** Readings produce different results at the same location.  
Watch readings are different from altitude information available from other sources.  
Correct altitude readings are not possible.

Relative altitude is calculated based on changes in barometric pressure measured by the watch's pressure sensor. This means that barometric pressure changes can cause readings taken at the same location to be different. Also note that the value displayed by the watch may be different from the actual elevation and/or sea level elevation indicated for the area where you are located. When using the watch's altimeter while mountain climbing, it is recommended that you regularly calibrate its readings in accordance with local altitude (elevation) indications.

🔗 [Calibrating Altitude Readings](#)

**Q2** [- - - -] appears on the display following altitude differential measurement.

[- - - -] appears on the display when the altitude differential is outside the allowable measuring range ( $\pm 3,000$  m ( $\pm 9,840$  feet)). If [ERROR] is displayed, there may be a problem with the sensor.

🔗 [Setting a Reference Altitude and Taking Altitude Differential Readings](#)

**Q3** [ERROR] is displayed during measurement.

There may be a problem with the sensor. Try taking another measurement. If [ERROR] keeps appearing after multiple measurement attempts, contact a CASIO service center or your original retailer.

## Digital Compass

**Q1** The symbol [∞] is shown on the display.

Accessing the compass function causes [∞] to appear on the display. This icon will disappear when you perform a bearing measurement operation.

🔗 [Taking a Compass Reading](#)

If [∞] appears on the display during bearing or activity measurements, it means abnormal magnetism was detected. Move away from any potential source of strong magnetism and try taking a reading again.

If [∞] appears again, it could mean that the watch body has become magnetized. Move away from any potential source of strong magnetism, perform direction calibration, and then try taking a reading again.

🔗 [Calibrating the Compass](#)

🔗 [Digital Compass Reading Precautions](#)

**Q2** [ERROR] is displayed during measurement.

There is a problem with the sensor or there may be a source of strong magnetic force nearby. Move away from any potential source of strong magnetism and try taking a reading again. If [ERROR] keeps appearing after multiple measurement attempts, contact a CASIO service center or your original retailer.

🔗 [Digital Compass Reading Precautions](#)

**Q3** [ERROR] appears on the display following direction calibration.

If [- - -] is followed by [ERROR] on the display, it could mean there is something wrong with the sensor.

- If [ERROR] disappears after about one second, try calibrating again.
- If [ERROR] keeps appearing after multiple attempts, contact a CASIO service center or your original retailer.

**Q4** Direction information indicated by the watch is different from that indicated by a backup compass.

Move away from any potential source of strong magnetism, perform direction calibration, and then try taking a reading again.

🔗 [Calibrating the Compass](#)

🔗 [Digital Compass Reading Precautions](#)

**Q5** Readings at the same location produce different results.  
Cannot take readings indoors.

Move away from any potential source of strong magnetism and try taking a reading again.

🔗 [Digital Compass Reading Precautions](#)

## Barometric Pressure Measurement

**Q1** [ERROR] is displayed during measurement.

There may be a problem with the sensor. Try taking another measurement. If [ERROR] keeps appearing after multiple measurement attempts, contact a CASIO service center or your original retailer.

## Temperature Measurement

**Q1** [ERROR] is displayed during measurement.

There may be a problem with the sensor. Try taking another measurement. If [ERROR] keeps appearing after multiple measurement attempts, contact a CASIO service center or your original retailer.



## Pedometer

### Q1 Displayed step count is not correct.

While the watch is on your wrist, it may detect non-step movements and count them as steps.

🔗 [Counting Steps](#)

Also, step count problems can also be caused by how the watch is being worn and abnormal arm movement while walking.

🔗 [Causes of Incorrect Step Count](#)

### Q2 The step count does not increase.

To prevent erroneous counting, the count display does not increase immediately after you start walking.

### Q3 [ERROR] appears when using the pedometer.

[ERROR] (error) is displayed when sensor operation is disabled because of sensor or internal circuitry malfunction.

If the indicator remains on the display for more than three minutes or if it frequently appears, it could indicate a faulty sensor.

Contact a CASIO service center or your original retailer.

## Tide Function

### Q1 There are errors in the tide information.

Since the high tide and low tide times and tide levels of the Tide Graph are calculated based on past data, the calculated data may be different from actual tide information.

Also note that the degree of the error can be affected by terrain, weather, and other conditions. Use the tide information of this watch for reference only.

Be sure to check accurate tide forecast information issued by various organizations, and do not use the tide information of this watch to determine tide levels used for navigation or any other purpose where there is the risk of danger.

## Alarm

### Q1 There is no sound and/or vibration operation performed for alarms.

Is the watch's battery charged?

Charge the watch until the battery is sufficiently recharged.

↓ 🔗 [Charging the Watch](#)

Is alarm sound and/or vibration enabled?

Enable the alarm.

🔗 [Turning Off an Alarm](#)

## Other

### Q1 I can't find the information I need here.

Visit the website below.

<https://world.casio.com/support/>