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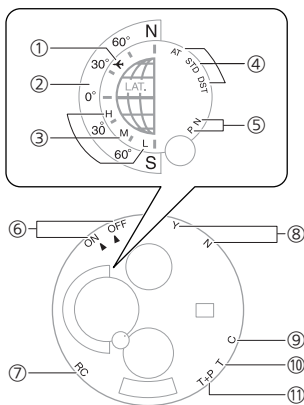
## Basic Operations

This section provides an overview of the watch and its operations.

### Note

- The illustrations included in this operation guide have been created to facilitate explanation. An illustration may differ somewhat from the item it represents.

## Watch Face Items

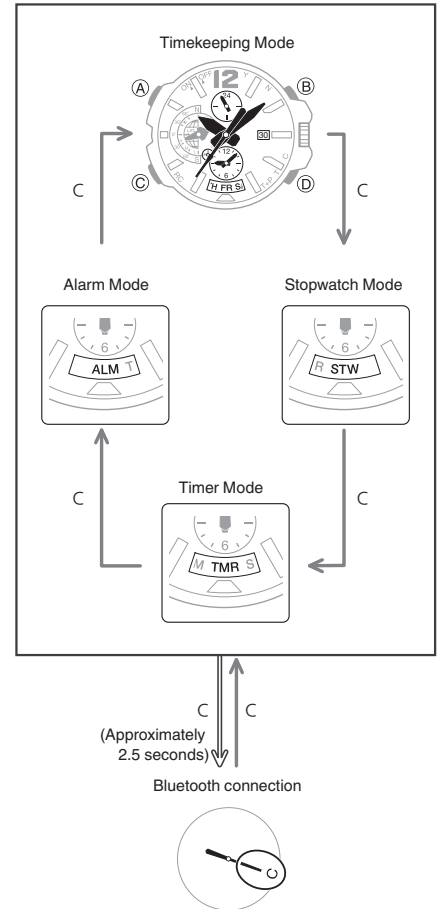


- Airplane Mode mark**  
While the watch is in the Airplane Mode, the mode hand points to ✈️.
- Latitude**  
Shows the approximate latitude of your Home City or World Time City.
- Battery level**  
The current charge level is temporarily indicated by the mode hand after you enter the Timekeeping Mode.
- Summer time setting**  
The mode hand points to the summer time setting for the currently selected Home City.

- Signal receive status, location information availability**  
When checking the last receive result  
The mode hand indicates the information that was received or acquired for the last time adjustment.  
“P”: GPS signal time or phone time information and location information  
“N”: GPS signal time information or time calibration signal  
When setting the Home City or World Time City  
The mode hand indicates whether or not location information is available for the Home City or World Time City.  
“P”: Location information available  
“N”: Location information not available
- Alarm on/off setting**  
In the Alarm Mode, the second hand indicates if the alarm is enabled or disabled.  
“ON”: Alarm enabled  
“OFF”: Alarm disabled
- RC mark**  
The second hand points to this mark while calibration signal reception is in progress.
- Last signal receive result**  
The second hand points to the letter that indicates the result of the last time adjustment operation by receipt of a signal or connection with a phone.  
“Y(YES)”: Last time adjustment operation successful.  
“N(NO)”: Last time adjustment operation failed.
- C mark**  
The second hand points to this mark while there is a connection between the watch and a phone.
- T (Time) mark**  
The second hand points to this mark while GPS (time information) signal reception is in progress.
- T+P mark**  
The second hand points to this mark while GPS (location information) signal reception is in progress.

## Navigating Between Modes

Your watch has the modes shown below.



Use the (C) button to navigate between modes.

Hold down (C) for at least one second to return to the Timekeeping Mode.

To connect with a phone, hold down (C) for about 2.5 seconds.

## Mode Overview

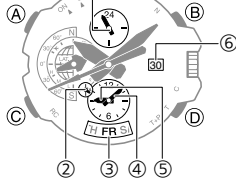
### ● Timekeeping Mode

The main hour, minute, and second hands indicate the current time.

The small hour and minute hands indicate the current World Time.

Press to display UTC (Universal Coordinated Time) for about one second.

Current location time/World Time swapping (Hold down about 3 seconds.)

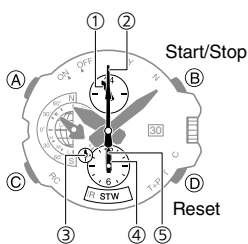


- ① Current location time (24-hour time)  
One revolution every 24 hours.
- ② World Time hour (24-hour time)  
The hand points to the A-side for a.m. times, and to the P-side for p.m. times.
- ③ Day of the week at current location
- ④ World Time minute
- ⑤ World Time hour
- ⑥ Current location date

### ● Stopwatch Mode

The main hour and minute hands indicate the current time.

The second hand, and the small hour and minute hands indicate the elapsed stopwatch time.

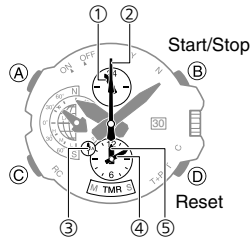


- ① Current location time (24-hour time)  
One revolution every 24 hours.
- ② Stopwatch seconds
- ③ Stopwatch hours (24-hour time)  
The hand points to the A-side for hours 0 through 12, and to the P-side for hours 12 through 24.
- ④ Stopwatch hours
- ⑤ Stopwatch minutes

### ● Timer Mode

The main hour and minute hands indicate the current time.

The second hand, and the small hour and minute hands indicate the current countdown time.



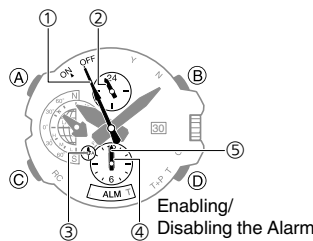
- ① Current location time (24-hour time)  
One revolution every 24 hours.
- ② Timer seconds
- ③ Timer hours (24-hour time)  
The hand points to the A-side for hours 0 through 12, and to the P-side for hours 12 through 24.
- ④ Timer minutes
- ⑤ Timer hours

### ● Alarm Mode

The main hour and minute hands indicate the current time.

The small hour and minute hands indicate the alarm time.

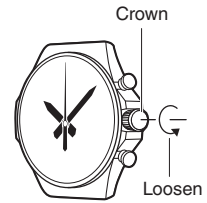
The second hand indicates the alarm enabled/disabled setting.



- ① Alarm enabled/disabled
- ② Current location time (24-hour time)  
One revolution every 24 hours.
- ③ Alarm hour (24-hour time)  
The hand points to the A-side for a.m. times, and to the P-side for p.m. times.
- ④ Alarm hour
- ⑤ Alarm minute

## Using the Crown

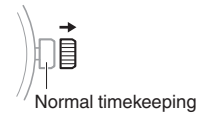
The watch's crown is a screw-in (screw lock) type. To use the crown, you first need to rotate it towards you (leftwards) to loosen it.



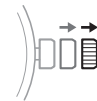
### ● Pulling Out and Pushing In the Crown

To perform a crown operation, pull it out to the first or second click and then rotate it. Do not pull the crown with too much force.

#### First click

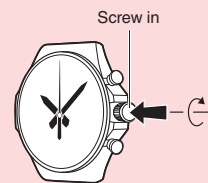


#### Second click



### Important!

- To prevent loss of water resistance and/or damage due to impact, be sure to screw the crown in by rotating it away from you as you push it in.



- When pushing the crown back in, take care not to apply too much force.

## ● Fast Forward/Fast Reverse

After pulling out the crown, rotating it quickly in succession in either direction will cause the hands to move forward or back at high speed. While the hands are moving forward at high speed, quickly rotating the crown in succession again will increase the speed even further.

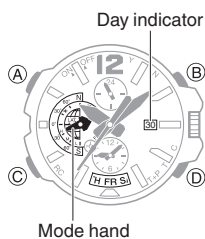
## ● Stopping Fast Forward/Fast Reverse

Rotate the crown in the direction opposite that of the ongoing operation or press any button.

### Note

- If you do not perform any operation for about two minutes after pulling out the crown, crown operations will automatically become disabled. If that happens, push the crown back in and then pull it out again.

## Hand and Day Indicator Movement



### ● Mode Hand and Day Indicator Movement

Changing the day setting of the watch will also cause the mode hand to move.

### ● Day

- It can take anywhere from about 10 to 40 seconds for the day indicator to change after timekeeping reaches midnight. The mode hand moves as the day indicator changes.
- The day may not be indicated correctly while the watch's crown is pulled out.

## Solar Charging

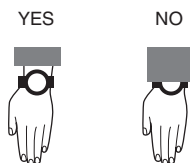
This watch runs on power supplied from a rechargeable (secondary) battery that is charged by a solar panel. The solar panel is integrated into the face of the watch, and power is generated whenever the face is exposed to light.

### ● 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 face (solar panel) is not blocked from light by the sleeve of your clothing. Power generation efficiency is reduced even when the face of the watch is blocked only partially.

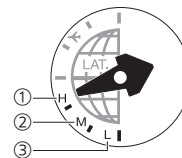


### Important!

- 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 position of the mode hand.



① Good

② Good

③ Low

### ● Remaining Charge and Dead Battery

You can determine if the charge level is low by checking the hand movement. Functions become disabled as battery power goes low.

### Important!

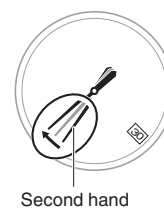
- Should the battery go low or go dead, expose the face (solar panel) to light as soon as possible.

### Note

- Exposing the watch face to light after the battery goes dead will cause the second hand to revolve counterclockwise until it stops at second 57. This indicates charging has started.

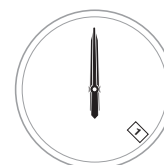
### Low Battery Power

The second hand jumps at two-second intervals.



### Dead Battery

All hands and the day indicator are stopped.



## ● Charging Time Guidelines

The table below shows guidelines for approximate charging times.

### Charging Times Required for 1 Day of Operation

Light Intensity	Approximate Charging Time	
High ↓ Low	①	8 minutes
	②	30 minutes
	③	48 minutes
	④	8 hours

### Charge Recovery Times

Light Intensity	Approximate Charging Time	
	Charge Level 1	Charge Level 2
High ↓ Low	①	2 hours
	②	6 hours
	③	10 hours
	④	106 hours

#### Charge Level 1 :

Time from dead battery until watch operation starts.

#### Charge Level 2 :

Time from watch operation start until a full charge.

#### Light Intensity

- ① Sunny day, outdoors (50,000 lux)
- ② Sunny day, near a window (10,000 lux)
- ③ Overcast day, near a window (5,000 lux)
- ④ Indoor fluorescent lighting (500 lux)

### Note

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

## ● Power Saving

Leaving the watch in a dark location for about one hour between the hours of 10 p.m. and 6 a.m. will cause the second hand to stop, and the watch will enter Level 1 power saving. If the watch is left in this condition for six or seven days, all hands will stop and the watch will enter Level 2 power saving.

#### Level 1 :

Basic timekeeping functions are operational.

#### Level 2 :

Only the day indicator is operational.

### Note

- Note that the watch also may enter the power saving state if its face is blocked from light by your sleeve while you are wearing it.
- The watch will enter power saving from the Timekeeping Mode only.

## ● Recovering from Power Saving Operation

Press any button or place the watch in a well-lit area to recover from power saving.

## Auto Time Adjustment

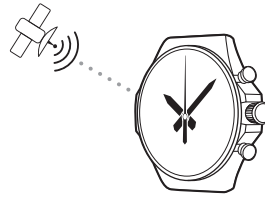
Your watch can receive time calibration signals and connect with a phone to obtain information that it uses to adjust its date and time setting.

### ● First Use of the Watch

Immediately after purchasing the watch, it will acquire GPS location information and configure a Home City based on your current location.

#### 🔗 Acquiring GPS Location Information Manually

GPS signal (location information)



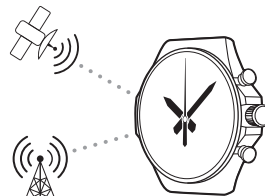
### ● Normal Use of the Watch

Your watch automatically receives a time calibration signal or GPS signal (time information) regularly each day and adjusts its time setting. This means its time setting is always accurate without the need for any adjustment by you.

#### 🔗 Receiving a Time Information Automatically

#### 🔗 Auto Time Calibration Signal Receive

GPS signal (time information)



Time calibration signal

### Note

- If the watch is unable to adjust its time setting automatically for some reason, you can trigger a GPS signal receive operation manually.
  - 🔗 Acquiring GPS Time Information Manually
  - 🔗 Acquiring GPS Location Information Manually

## Using a Phone to Adjust the Watch's Time

You can pair the watch with a phone to have the watch adjust its time setting in accordance with the phone time.

#### 🔗 Auto Time Adjustment



### ● If the watch is not showing the correct time...

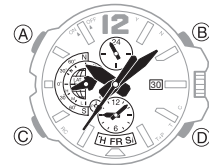
If the watch does not indicate the correct time even after it receives a signal or connects with the phone, correct the hand and date indicator positions.

#### 🔗 Using CASIO WATCHES to Correct Hand Positions

#### 🔗 Using Watch Operations to Correct Hand Positions

## Checking the Last Time Adjustment Method Used

1. Enter the Timekeeping Mode.
  - 🔗 Navigating Between Modes



2. Press (D).

The second hand will indicate the last time correction operation result. The watch hands will return to indicating the current time if you do not perform any operation for nine or ten seconds.

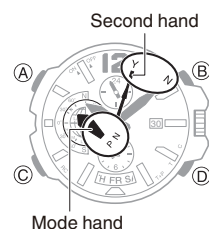
[Y(YES)]: Last time correction operation successful.

[N(NO)]: Last time correction operation failed.

The mode hand indicates details about the receive (acquisition) operation.

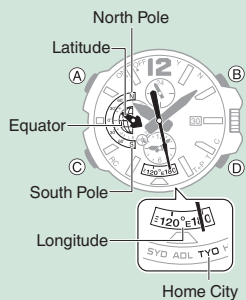
“P”: Time information and location information (GPS signal), connection with a phone

“N”: Time information (GPS signal) or time calibration signal



## Note

- Even if there was a successful receive operation, the second hand will point to “N(NO)” if you adjusted the time setting manually.
- If you do not perform any watch operation for about one or two seconds after location information is acquired or after establishing a connection with a phone and adjusting the time, the watch will display the acquired Home City and the approximate latitude and longitude of your current location.



## Using the Watch in a Medical Facility or Aircraft

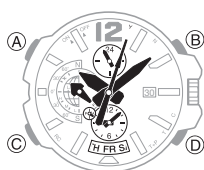
Whenever you are in a hospital, on an aircraft, or in any other location where auto signal receive or connection with a phone may cause problems, you can perform the procedure below to disable it (Airplane Mode). To re-enable auto time adjustment, perform the same operation again.

1. Enter the Timekeeping Mode.  
[🔗 Navigating Between Modes](#)

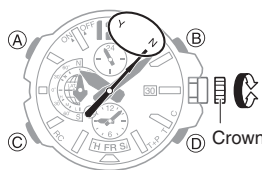


2. Press (D).

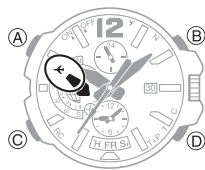
The second hand will indicate the last receive result for nine or ten seconds. If location information was received, the second hand will indicate the Home City time zone after indicating the receive result.



3. Within 10 seconds after pressing (D) above, pull out the crown to the first click.
  - If more than 10 seconds elapse before you pull out the crown after you press (D), the second hand will return to indicating seconds. If this happens, press (D) again.
4. Rotate the crown to enter the Airplane Mode.  
 N(NO): Airplane Mode enabled  
 Y(YES): Airplane Mode disabled



5. Push the crown back in.
  - When the watch is in the Airplane Mode, the mode hand points to ✈️.



## Time Adjustment (GPS, Time Calibration Signal)

The watch's time, day, and Home City settings can be configured in accordance with a received GPS signal or time calibration signal.

- GPS signal (location information): Used to update Home City, time, and day settings.
- GPS signal time information: Used to update time and day settings.
- Time calibration signal: Used to update time and day settings.

### Important!

- Before trying to receive GPS signal time information and/or a time calibration signal, first use GPS to acquire location information and configure Home Time settings.
- The watch will normally not perform auto signal receive while it is paired with a phone. However, auto receive will be performed if there is no connection between the watch and phone for more than one day.
- Put the watch into the Airplane Mode whenever you are inside an aircraft or in any other area where radio wave reception is prohibited or restricted.  
[🔗 Using the Watch in a Medical Facility or Aircraft](#)

## Note

- Areas where time calibration signal reception is supported are limited. When the watch is in an area where time calibration signal reception is not supported, adjust time and day settings based on GPS signals.  
[🔗 Time Calibration Signal Reception Ranges](#)
- If the watch does not indicate the correct time even after it receives a signal, correct the hand and date indicator positions.  
[🔗 Using CASIO WATCHES to Correct Hand Positions](#)  
[🔗 Using Watch Operations to Correct Hand Positions](#)

## Time Adjustment Using GPS

### 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 face oriented upwards and do not move the watch.
- When the watch is set up for auto receive, take care to avoid covering the watch face 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

### Acquiring GPS Location Information Manually

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

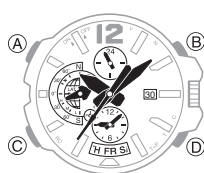
#### Note

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

#### Getting Ready

Enter the Timekeeping Mode.

[Navigating Between Modes](#)

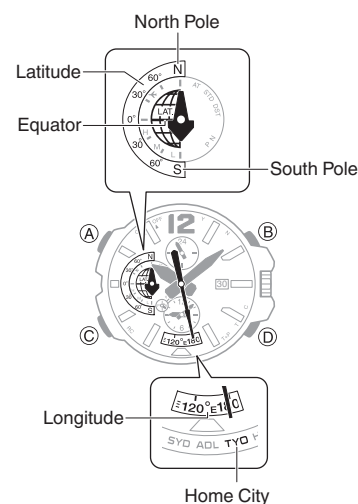


1. Move to a location appropriate for signal reception and orient the watch so its display is pointed straight up at the sky.
2. Hold down (D) for at least 1.5 seconds. Release the button as soon as the second hand points to "T (TIME)".
  - The second hand will move in the following sequence: "Y(YES)" or "N(NO)" → "T(TIME)".
3. Press (D).

This will cause the second hand to move to "T+P", indicating that location information acquisition has started. The disk alternates between 180°W and 180°E while acquisition is in progress.



- If location information acquisition is successful, the second hand will move to "Y(YES)" and then the watch will automatically adjust its time and day settings. The watch will also display the acquired Home City and the approximate latitude of your current location.



- If position information acquisition fails for some reason, the second hand will move to "N(NO)" and then the watch will indicate the current time and day without adjusting them.

#### Note

- Reception takes anywhere from about 40 to 90 seconds.
- It can take as long as 13 minutes when leap second information is included.
- You may experience location information acquisition problems when you are in the vicinity of a city borderline. The watch's time and day will not be indicated correctly if the Home City 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 acquired location information again. Or you can perform a time information receive operation to adjust time and day settings after configuring Home City and summer time settings manually.

[Setting a Home Time City](#)

[Acquiring GPS Time Information Manually](#)

## Acquiring GPS Time Information Manually

You can use a button operation on the watch to receive GPS signal time information. After reception is successful, the time and date are displayed for your currently selected Home City.

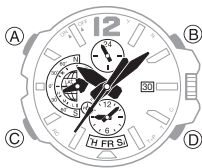
### Note

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

### Getting Ready

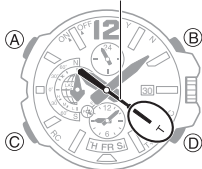
Enter the Timekeeping Mode.

🔍 Navigating Between Modes

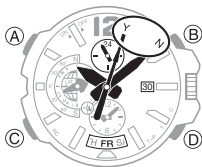


1. Move to a location appropriate for signal reception and orient the watch so its display is pointed straight up at the sky.
2. Hold down (D) for at least 1.5 seconds. Release the button as soon as the second hand points to "T (TIME)".
  - The second hand will move in the following sequence: "Y(YES)" or "N(NO)" → "T(TIME)".
  - This indicates that time information receipt has started.

Second hand



- If information acquisition is successful, the second hand will move to "Y(YES)", and then the watch will automatically adjust its time and day settings.



- If reception fails for some reason, the second hand will move to "N(NO)" and then the watch will indicate the current time and day without adjusting them.

### Note

- Receive takes anywhere from about six to 60 seconds.
- It can take as long as 13 minutes when leap second information is included.

## Receiving a Time Information Automatically

When the conditions below are satisfied, the watch will automatically receive time information from a GPS signal. If any time information receive operation is successful, the watch will no longer attempt to receive a signal for the rest of the day.

- In the Timekeeping Mode
- Current time is between 6:00 a.m. and 10:00 p.m.
- Light (near a window on a clear day) continually shining on the face of the watch for about one to two minutes.
- Time calibration signal reception was not successful during the previous evening.

### Note

- The time information receive operation takes anywhere from about six to 60 seconds.
- The receive operation can take as long as 13 minutes when leap second information is included.

## 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

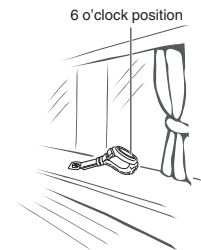
- It can take as long as 13 minutes to complete the leap second information receive operation.
- The leap second information receive operation is repeated until information receipt is complete.
- Once the leap second information receive operation is complete, the watch will not make any attempt to receive 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.

## Time Adjustment Using a Time Calibration Signal

### Appropriate Signal Reception Location

A time calibration signal can be received while the watch is near a window.

- Keep metal objects away from the watch.
- Do not move the watch.
- Do not perform any operation on the watch.



### Note

- You may experience time calibration signal reception problems in the areas described below.
  - Among or near buildings
  - While riding in a vehicle
  - Near household appliances, office machines, mobile phones, etc.
  - On a construction site, in an airport, or any other location where radio wave interference occurs
  - Near high-voltage lines
  - In mountainous areas or behind a mountain

## Time Calibration Signal Reception Ranges

### ● Japan (JJY)

The Japan time signal radio stations are located on Mt. Otakadoya in Fukushima and Mt. Hagane in Fukuoka/Saga.

The reception range of the Japanese time signals is approximately 1,000 km from each transmission station.

### ● China (BPC)

The China time signal radio station is located in Shangqiu, Henan Province, China.

The reception range of the Chinese time signal is approximately 1,500 km from the transmission station.

### ● United States (WWVB)

The United States time signal radio station is located in Fort Collins, Colorado.

The reception range of the U.S. time signal is approximately 3,000 km from the transmission station.

### ● U.K. (MSF)/Germany (DCF77)

The U.K. time signal radio station is located in Anthorn, Cumbria.

The German time signal radio station is located in Mainflingen, southeast of Frankfurt.

The reception range of the U.K. and German time signals is approximately 1,500 km from each transmission station.

### Note

- Even if you are within the normal reception range of a time calibration signal, reception may be made impossible by the following factors: geographic contours, weather, the season, the time of day, wireless noise.

## Auto Time Calibration Signal Receive

An automatic time calibration signal receive operation is performed and the time and day settings are corrected between midnight and 5:00 a.m. Once a signal receive operation is successful, no more auto receive operations are performed that day.

### Getting Ready

Enter the Timekeeping Mode.

[Navigating Between Modes](#)



Place the watch near a window or some other location appropriate for signal reception.

- The second hand points to [RC] while time calibration reception is in progress.
- When the receive operation is successful, the time and day settings will be adjusted automatically.

### Note

- Reception takes anywhere from about two minutes to about 10 minutes. It can take as long as 20 minutes.

## Signal Reception Precautions

- When the watch is unable to correct its time in accordance with a calibration 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 signal may cause the time setting to be slightly off (by less than one second).
- GPS signal and time calibration signal reception will not be possible under any of the watch conditions described below.
  - While battery power is low
  - While the watch is in the Airplane Mode, Stopwatch Mode, Timer Mode, or Alarm Mode
  - When power saving is at Level 2 (GPS signal reception also is not possible at Level 1.)
  - While the crown is pulled out
  - Timer countdown operation in progress
- If the receive operation is successful, the time and day settings will be adjusted automatically in accordance with the Home City 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.)
- As of January 2017, China does not observe summer time. If China starts to observe summer time in the future, the time displayed by the watch for China may not be correct.

## Using Mobile Link with a Mobile Phone

While there is a Bluetooth connection between the watch and phone, the watch time setting is adjusted automatically. You can also change the watch's other settings.

### Note

- This function is available only while CASIO WATCHES is running on the phone.
- This section describes watch and phone operations.
  - : Watch operation
  - : Phone operation

## Getting Ready

### 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 Configure Bluetooth settings.

Enable the phone's Bluetooth.

### Note

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

### ③ Pair the watch with a phone.

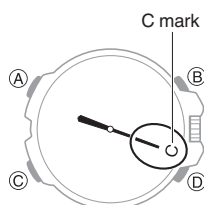
Before you can use the watch in combination with a phone, you first need to pair them.

1. Move the phone to be paired with close to (within one meter of) the watch.
2. Tap the "CASIO WATCHES" icon.
3. Tap the of the "My Watch" tab.
4. Perform the operation shown on the phone screen to register the watch to the CASIO WATCHES phone app.

5. Hold down (C) for at least 2.5 seconds until the second hand points to [C].

When a connection is established between the watch and phone, the second hand moves to [C].

- If pairing fails for some reason, the second hand will move to "N" and then return to its normal movement. 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.

## Auto Time Adjustment

You can configure watch settings to connect with a phone at preset times each day and adjust its time settings in accordance with information obtained from an online time server.

### ● Using This Function

Your watch adjusts its time setting four times a day according to a preset schedule. It performs 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

### Note

- If the watch does not indicate the correct time even if it is able to connect with a phone, correct the hand and date indicator positions.
  - [Adjusting Hand and Day Indicator Alignment](#)
- If there is a World Time City specified with the CASIO WATCHES phone app, its time will also be synchronized automatically.
- The watch will connect with the phone and perform auto time adjustment at around 12:30 a.m., 6:30 a.m., 12:30 p.m., and 6:30 p.m. The connection is automatically terminated after auto time adjustment is complete.

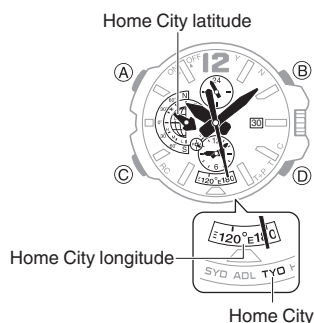
## ● Triggering Immediate Time Correction

The watch will synchronize its time setting to that of the phone immediately when they are connected with each other. Whenever you want to adjust the watch's time setting based on your phone's time, perform the procedure below to connect with a phone.

1. Hold down (D) for about 0.5 seconds. Release the button as soon as the second hand points to [C].

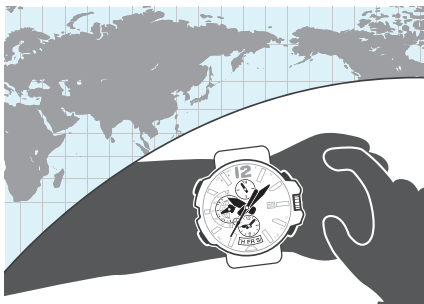
When the watch connects with a phone, the second hand will normally move to [Y(YES)] and then the watch's time setting will be adjusted.

- After time synchronization is complete, Home City information will be shown. Next, the connection will be terminated.
- If time synchronization fails for some reason, the second hand will move to [N(NO)].



## Configuring World Time Settings

Specifying a World Time City with CASIO WATCHES causes the city's time to be indicated by the small hour and minute hands. Watch settings can be configured for auto summer time switching for the World Time City.



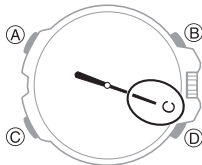
### Note

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

## ● To select a World Time City

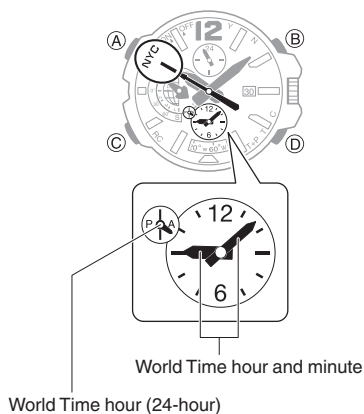
1. Tap the "CASIO WATCHES" icon.
2. Hold down (C) for about 2.5 seconds. This causes the second hand to move to [C] and establishes a connection between the watch and phone.

- The second hand will point to "N" if connection fails for some reason.



3. Perform the operation shown on the phone screen. The World Time setting will be reflected on the watch.

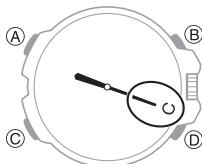
- You can determine whether a World Time is a.m. or p.m. by checking the position of the small 24-hour hand.



## ● Configuring the Summer Time Setting

1. Tap the "CASIO WATCHES" icon.
2. Hold down (C) for about 2.5 seconds. This causes the second hand to move to [C] and establishes a connection between the watch and phone.

- The second hand will point to "N" if connection fails for some reason.



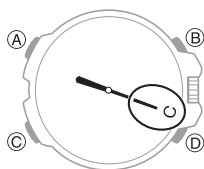
3. Perform the operation shown on the phone screen to configure the summer time setting.
  - "Auto"
    - The watch switches between standard time and summer time automatically.
  - "OFF"
    - The watch always indicates standard time.
  - "ON"
    - The watch always indicates summer time.

### Note

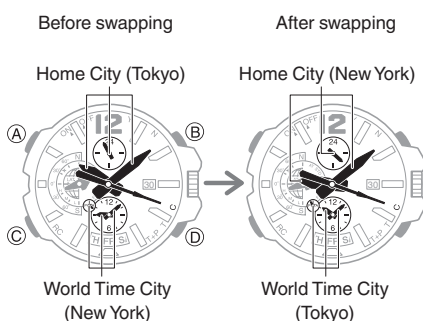
- While the summer time setting is "Auto", the watch switches between standard time and summer time automatically. You do not need to switch between standard time and summer time manually. Even if you are in an area that does not observe summer time, you can leave the watch's summer time setting as "Auto".
- Changing the time setting manually with a watch operation will cancel auto standard time/summer time switching.
- For information about summer time periods, refer the "Summer Time Table" or CASIO WATCHES.

## ● Swapping Your World Time and Home Time

1. Tap the "CASIO WATCHES" icon.
2. Hold down (C) for about 2.5 seconds.  
This causes the second hand to move to [C] and establishes a connection between the watch and phone.
  - The second hand will point to "N" if connection fails for some reason.



3. Perform the operation shown on the phone screen to swap your Home Time with your World Time.  
For example, if your Home City is Tokyo and the World Time City is New York, they will be swapped as shown below.
  - The second hand will point to the time zone of the currently selected World Time City for a few seconds after you swap times.

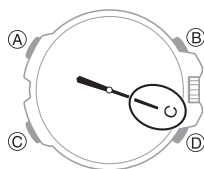


### Note

- Auto time correction does not work for 24 hours after swapping of the Home Time and World Time.

## Setting the Alarm

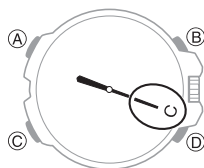
1. Tap the "CASIO WATCHES" icon.
2. Hold down (C) for about 2.5 seconds.  
This causes the second hand to move to [C] and establishes a connection between the watch and phone.
  - The second hand will point to "N" if connection fails for some reason.



3. Perform the operation shown on the phone screen to configure alarm time settings.
  - Change the alarm setting from off to on.
  - Set the hour and minute of the alarm time.

## Configuring Timer Settings

1. Tap the "CASIO WATCHES" icon.
2. Hold down (C) for about 2.5 seconds.  
This causes the second hand to move to [C] and establishes a connection between the watch and phone.
  - The second hand will point to "N" if connection fails for some reason.

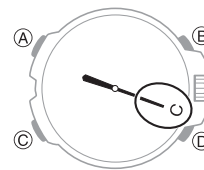


3. Perform the operation shown on the phone screen to configure the timer time setting.
  - Set the hours and minutes of the timer start time.

## Adjusting Hand and Day Indicator Alignment

If the hands and/or date indicator are out of alignment even though auto time adjustment is being performed, use CASIO WATCHES to adjust them.

1. Tap the "CASIO WATCHES" icon.
2. Hold down (C) for about 2.5 seconds.  
This causes the second hand to move to [C] and establishes a connection between the watch and phone.
  - The second hand will point to "N" if connection fails for some reason.

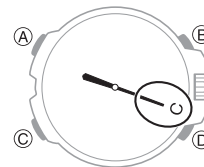


3. Perform the operation shown on the phone screen to correct hand and day indicator alignment.

## Configuring Watch Settings

You can use CASIO WATCHES to specify the amount of time until the Bluetooth connection is automatically terminated, and to configure other settings.

1. Tap the "CASIO WATCHES" icon.
2. Hold down (C) for about 2.5 seconds.  
This causes the second hand to move to [C] and establishes a connection between the watch and phone.
  - The second hand will point to "N" if connection fails for some reason.



3. Select the setting you want to change and then perform the operation shown on the phone screen.

## Recording Your Current Location (FLIGHT LOG)

While traveling or otherwise on the go, you can use the procedure below to record your current location, along with the time and date, on your phone. Recorded location information can be viewed on the CASIO WATCHES phone app map.

### ● Recording Your Current Location

1. Enter the Timekeeping Mode.  
[Navigating Between Modes](#)
2. When you are in the location you want to record, hold down (D) for at least 0.5 seconds until the second hand points to [C].

This records, in phone memory, the latitude and longitude of the location you are in when you press (D), along with the date and time of the recording.

### ● Viewing a Recorded Location on a Map

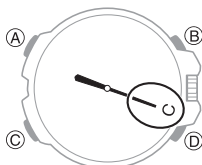
1. Tap the “CASIO WATCHES” icon.
2. Perform the operation shown on the phone screen to view recorded location information.

#### Note

- You can use the CASIO WATCHES phone app to delete recorded location information.

## Changing the Home City Summer Time Setting

1. On the Home Screen, tap the “CASIO WATCHES” icon.
2. Hold down (C) for about 2.5 seconds.  
This causes the second hand to move to [C] and establishes a connection between the watch and phone.
  - The second hand will point to “N” if connection fails for some reason.

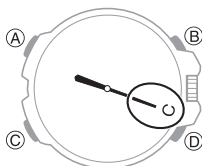


3. Perform the operation shown on the phone screen to change your Home City summer time setting.

## Checking the Watch Charge Level

Use the procedure below to check the current charge level with the CASIO WATCHES phone app.

1. On the Home Screen, tap the “CASIO WATCHES” icon.
2. Hold down (C) for about 2.5 seconds.  
This causes the second hand to move to [C] and establishes a connection between the watch and phone.
  - The second hand will point to “N” if connection fails for some reason.



3. Use the CASIO WATCHES phone app to check the charge level.

## Connection

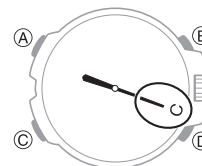
### Connecting with a Phone

This section explains how to establish a Bluetooth connection with a phone that is paired with the watch.

- If the watch is not paired with the phone you want to connect with, perform the procedure under “[3 Pair the watch with a phone.](#)” to pair them.

1. Move the phone close to (within one meter of) the watch.
2. While the second hand is not pointing to [C], hold down (C) for about 2.5 seconds.  
This causes the second hand to move to [C] and establishes a connection between the watch and phone.

- The second hand will point to “N” if connection fails for some reason.



#### Important!

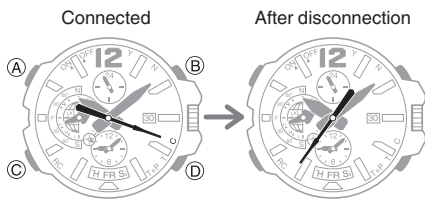
- If you have problems establishing a connection, it could mean that CASIO WATCHES is not running on the phone. On the phone’s home screen, tap the “CASIO WATCHES” icon. After the app starts up, hold down the watch’s (C) button for about 2.5 seconds.

#### Note

- The connection is terminated if you do not perform any operation on the watch or phone for a fixed amount of time. To specify the connection limit time, perform the following operation with the CASIO WATCHES phone app: “Watch settings” → “Connection time with the app”. Next, select a setting of 3 minutes, 5 minutes, or 10 minutes.

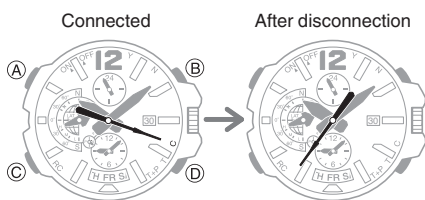
## Disconnecting from a Phone

Pressing any button terminates the Bluetooth connection and returns the second hand to its normal operation.



## Unpairing

1. If the watch is connected with a phone, press any button to terminate the connection.

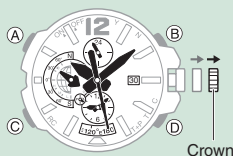


2. On the Home Screen, tap the "CASIO WATCHES" icon.
3. Perform the operation shown on the phone screen to unpair.

### Note

- If you are unable to re-pair the watch with a phone after unpairing them, use the procedure below to delete pairing information from the watch and then perform the pairing operation again.

1. Pull out the crown to the second click.



2. Hold down (D) for about 10 seconds.

This deletes the pairing information. The second hand will point to [C].

3. Push the crown back in.

## If you purchase another phone

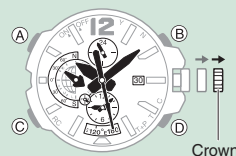
You need to perform the pairing operation whenever you want to establish a Bluetooth connection with a phone for the first time.

3. Pair the watch with a phone.

### Note

- If your previous phone is near the watch while you are trying to pair with a new phone, the watch will pair with the previous phone, which makes it impossible to pair with the new phone. If this happens, use the procedure below to delete the previous pairing information from the watch. Also, unregister the watch from the phone you will no longer connect with.

1. Pull out the crown to the second click.



2. Hold down (D) for about 10 seconds.

This deletes the pairing information. The second hand will point to [C].

3. Push the crown back in.

## Adjusting Time Settings Manually

You can use the procedure below to adjust the watch's time and day settings when GPS and time calibration signal reception is not possible, or communication with a phone is not possible for some reason.

## Setting a Home Time City

Use the procedure in this section to select a city to use as your Home City. If you are in an area that observes summer time, you can also enable or disable summer time.

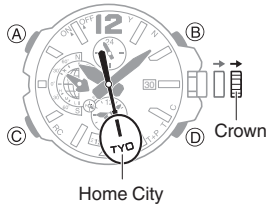
### Note

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

1. Pull out the crown to the second click.

The second hand will move to the currently set Home City.

- You can check the approximate latitude and longitude of your current location.
- Press (A) and the mode hand will indicate whether or not location information about your current Home City is available.  
“P”: Available  
“N”: Not available

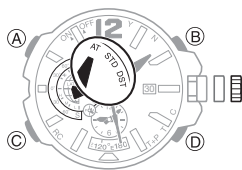


2. Rotate the crown to change the World Time City.

- For information about the Home City, see “City List”.

3. Press (B).

The mode hand will indicate the current summer time setting.



- “AT (AUTO)”  
The watch switches between standard time and summer time automatically.
- “STD”  
The watch always indicates standard time.
- “DST”  
The watch always indicates summer time.

4. Hold down (B) for about one second to change the summer time setting.

Each time you hold down (B) for about one second, the setting will cycle through options in the sequence shown below.

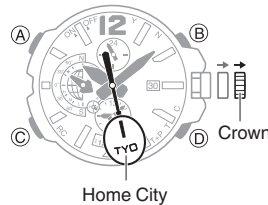
“AT (AUTO)”→“STD”→“DST”

5. Push the crown back in.

## Changing Your Home City Time Setting in 15-minute Steps

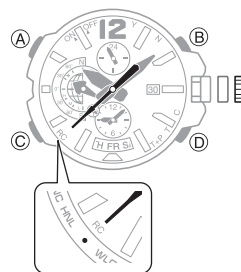
1. Pull out the crown to the second click.

The second hand will move to the current Home City.



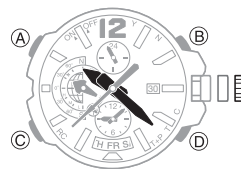
2. Hold down (C) for about one second.

This will cause the mode hand to move to ●.



3. Rotate the crown to change the time and day settings.

The data setting will change in 15-minute increments.



4. Push the crown back in.

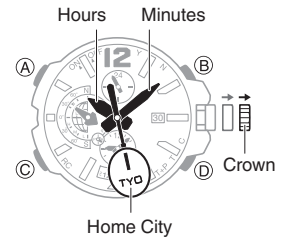
### Note

- Changing the time setting with this operation will cause Home City location information to be deleted from the watch.

## Adjusting the Time and Day Setting

1. Pull out the crown to the second click.

The second hand will move to the current Home City.



2. Hold down (C) for about 10 seconds.

This causes the second hand to move to 12 o'clock, and enables the minute setting operation.

3. Rotate the crown to change the minute setting.

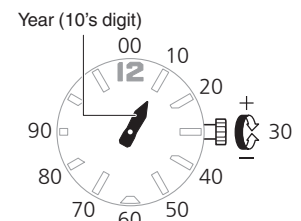
4. Press (C).

The hour hand will move slightly, indicating that the hour setting operation is enabled.

5. Rotate the crown to change the hour setting.

6. Press (C).

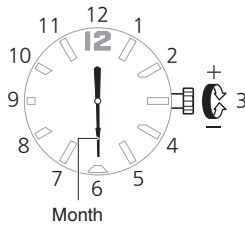
This changes to the year setting operation.



7. Rotate the crown to move the hour hand to the desired setting for the year ten's digit, and the minute hand to the desired one's digit.

8. Press (C).

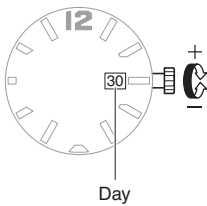
This enables the month setting operation.



9. Rotate the crown to change the month.

10. Press (C).

The mode hand will move slightly, indicating that the day setting operation is enabled.



- The mode hand will rotate repeatedly as you are adjusting the date setting.

[Hand and Day Indicator Movement](#)

11. Rotate the crown to change the day.

12. On a time signal at the top of a minute, push the crown back in.

### Note

- If the watch does not indicate the correct time even after you adjust it, correct the hand and date indicator positions.

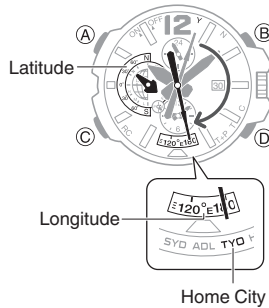
[Using CASIO WATCHES to Correct Hand Positions](#)

[Using Watch Operations to Correct Hand Positions](#)

## Checking the Current Home City

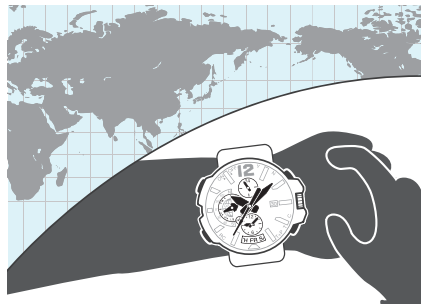
Pressing (D) will cause the second hand to move to a letter that indicates the result of the last time adjustment operation. After that, it will move to the time zone of the current Home City. At that time the disk will show your longitude, while the mode hand will indicate your latitude.

- The watch hands will return to indicating the current time if you do not perform any operation for nine or ten seconds.



## World Time

You can view the current time in 28 cities and UTC (Coordinated Universal Time) time.



### Getting Ready

Enter the Timekeeping Mode.

[Navigating Between Modes](#)



## Specifying a World Time City

Use the procedure in this section to select a World Time city. If you are in an area that observes summer time, you can also enable or disable summer time.

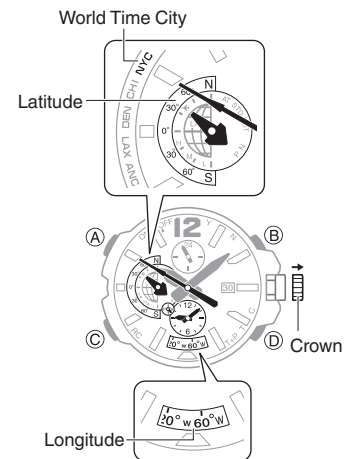
### Note

- The initial factory default summer time setting for all cities is [AT (AUTO)]. In many cases, the [AT (AUTO)] setting lets you use the watch without switching between summer time and standard time.

1. Pull out the crown to the first click.

The second hand will move to the currently selected World Time City.

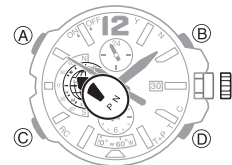
You can check the approximate latitude and longitude of your current location of your World Time City.



- Press (A) and the mode hand will indicate whether or not location information about your current World Time City is available.

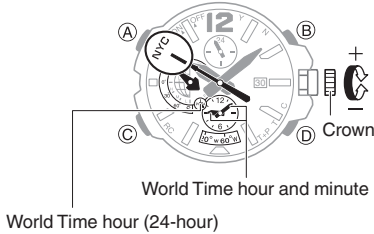
"P": Available

"N": Not available

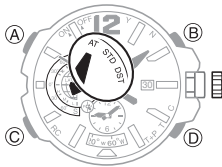


2. Rotate the crown to change the World Time City.

The small hour and minute hands will indicate the current time in the World Time city you selected.



- Pressing (B) will cause the mode hand to move to the current summer time setting.



- “AT (AUTO)”  
The watch switches between standard time and summer time automatically.
- “STD”  
The watch always indicates standard time.
- “DST”  
The watch always indicates summer time.

3. Hold down (B) for about one second to change the summer time setting.
  - Each time you hold down (B) for about one second, the summer time setting will cycle to the next available option.
4. Push the crown back in.

### Note

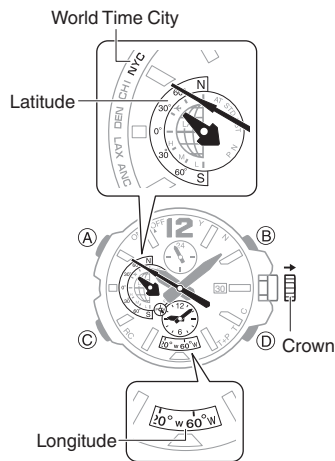
- You cannot switch between “STD” and “DST” while “UTC” is selected as the city.

## Changing the World Time Setting in 15-minute Steps

If the city you want is not available on the watch, you can use the procedure below to configure World Time settings.

1. Pull out the crown to the first click.
 

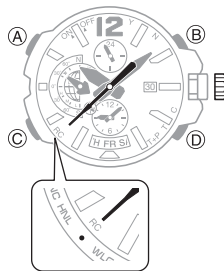
This will cause the second hand to move to the current World Time time zone. The disk will indicate the approximate longitude while the mode hand will indicate the approximate latitude.



2. Hold down (C) for about one second.
 

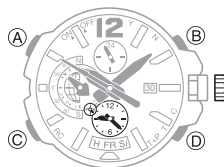
This will cause the mode hand to move to

  -



3. Rotate the crown to change the time and day settings.
 

The World Time setting change in 15-minute increments.



4. Push the crown back in.

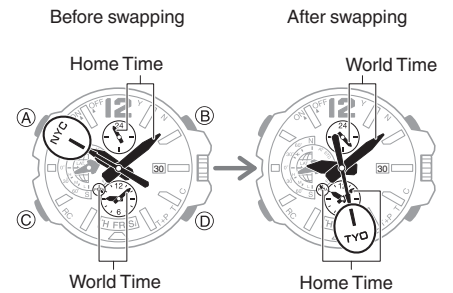
### Note

- Changing the World Time setting with this operation will cause World Time city location information to be deleted from the watch.
- This operation cannot be performed while UTC is selected as the World Time City.

## Swapping Your Home City Time and World Time

Holding (B) for about three seconds will swap your Home City time with your World Time.

- Pressing (B) will cause illumination to turn on. Keep the button depressed for three seconds.



- If a swapping operation causes a change in the day indicator setting, the mode hand will rotate repeatedly.

[Hand and Day Indicator Movement](#)

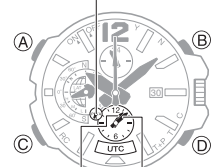
### Note

- This function comes in handy when you need to move to another time zone. For details about how to use it, see “Moving to Another Time Zone”.

## Selecting UTC (Universal Coordinated Time) as Your World Time City

Hold down (A) for about one second to change the World Time setting to UTC (Universal Coordinated Time). The small hour and minute hands (24-hour) will indicate the current UTC (Universal Coordinated Time).

Small Hour Hand (24-hour)



Small hour hand Small minute hand

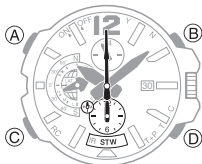
## Stopwatch

The stopwatch measures elapsed time in units of one second up to 23 hours, 59 minutes, 59 seconds (24 hours).

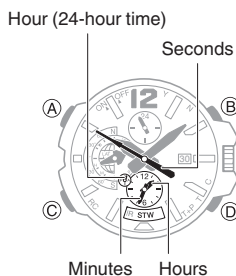
### Getting Ready

Enter the Stopwatch Mode.

[Navigating Between Modes](#)



## Measuring Elapsed Time



- Use the operations below to measure elapsed time.

- Start
- ↓
- Stop
- ↓
- Resume
- ↓
- Stop

- Press (D) to reset the elapsed time to all zeroes.
- Press (C) three times to return to the Timekeeping Mode.

## Timer

The timer counts down from a start time specified by you. A beeper sounds when the end of the countdown is reached.

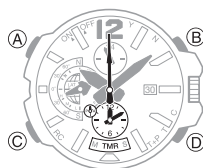
- The beeper is muted in the cases described below.
  - When battery power is low
  - When watch is at Level 2 power saving

[Power Saving](#)

### Getting Ready

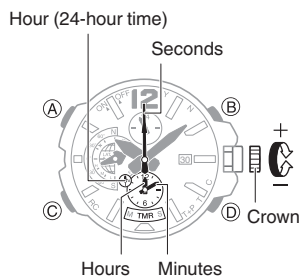
Enter the Timer Mode.

[Navigating Between Modes](#)



## Setting the Timer Start Time

- Pull out the crown to the first click.
- Rotate the crown to change the countdown start time setting.
  - The countdown start time can be set in 1-minute units up to 24 hours.



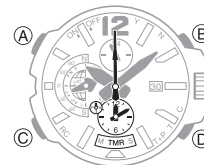
- Push the crown back in.

### Note

- When the small hour hand and small minute hand are at 12 o'clock, a countdown start time of 24 hours is specified.

## Using the Timer

- Press (B) to start the countdown.



A beeper will sound for 10 seconds to let you know when the end of a countdown is reached.

- To pause an ongoing countdown, press (B). To reset a paused countdown to the start time, press (D).

- Press any button to stop the tone.
- Press (C) twice to return to the Timekeeping Mode.

## Alarms

The watch will beep when the alarm time is reached.

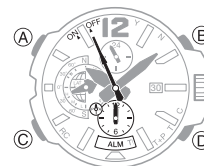
- The beeper is muted in the cases described below.
  - When battery power is low
  - When watch is at Level 2 power saving

[Power Saving](#)

### Getting ready

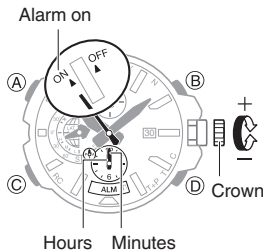
Enter the Alarm Mode.

[Navigating Between Modes](#)



## Configuring Alarm Settings

1. Pull out the crown to the first click.  
This turns on the alarm.
2. Rotate the crown to change the alarm time setting.



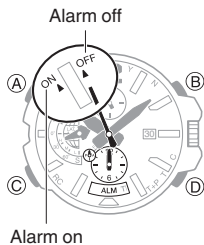
3. Push the crown back in.
4. Press (C) once to return to the Timekeeping Mode.

### Note

- A beeper will sound for 10 seconds to let you know when the alarm time is reached.

## Enabling/Disabling the Alarm

1. Press (D) to toggle the alarm between on and off.



2. Press (C) once to return to the Timekeeping Mode.

## Stopping an Alarm

While the alarm is sounding, press any button to stop it.

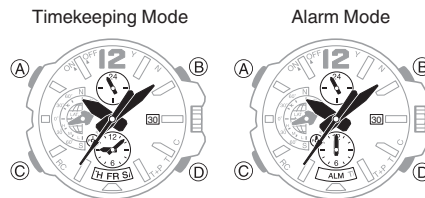
## Illumination Light

The watch has an LED light that you can turn on for reading in the dark. When you turn on the LED light, it gradually becomes brighter. After about two seconds, it gradually becomes dimmer until it turns off.

### Getting ready

Enter the Timekeeping Mode or Alarm Mode.

[Navigating Between Modes](#)



## Turning On the Illumination Light

Pressing (B) turns on the light.



- Illumination turns off automatically if an alarm starts to sound.
- Illumination is disabled while the hands are moving at high speed.

## Adjusting Hand and Day Indicator Alignment

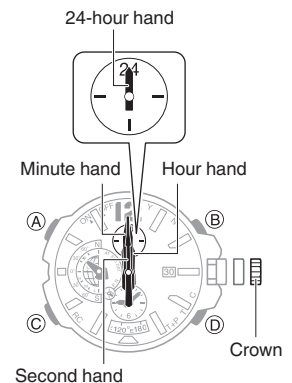
Strong magnetism or impact can cause the hands and/or the day indicator to go out of alignment. If this happens, correct hand and day indicator alignment.

- The watch performs alignment of the hour hand, minute hand, second hand, and 24-hour hand automatically.

## Adjusting Hand and Day Indicator Alignment

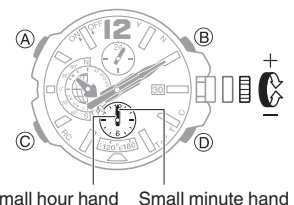
1. Pull out the crown to the second click.
2. Hold down (D) for about five seconds, until the second hand moves to 12 o'clock.  
This will start auto alignment of the hour hand, minute hand, second hand, and 24-hour hand.

- After auto alignment is complete, the hands should be in the positions shown below.



3. Press (C).

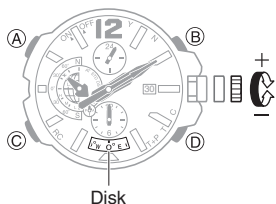
Confirm that the small hour hand and small minute hand are stopped at 12 o'clock.



4. If the small hour hand and small minute hand are not at 12 o'clock, rotate the crown to align them correctly.

5. Press (C).

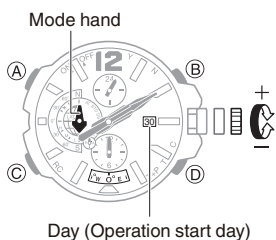
Confirm that the disk is positioned so "0" is in the center.



6. If "0" is not positioned in the center of the disk, rotate the crown until it is.

7. Press (C).

Confirm that the mode hand is stopped at 12 o'clock, and check if the day is indicated properly.

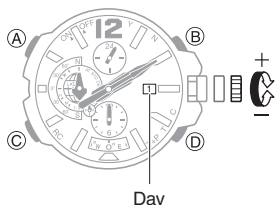


8. If the mode hand and or the day indicator is out of alignment, rotate the crown to move the mode hand to 12 o'clock and the day to the center of the indicator window.

- The movement range of the mode hand and day indicator is limited when you rotate the crown. The maximum left-right movement of the mode hand is 180 degrees in either direction. The day indicator moves only slightly.
- After the mode hand and day indicator are in the positions you want, advance to step 11 of this procedure. If you are unable to make the adjustments you want, go to step 9.

9. Press (C).

Confirm that the day indicator shows "1".



- Changing the date setting will cause the mode hand to rotate repeatedly. In some cases, the mode dial may continue to rotate for about 5 minutes.

[Hand and Day Indicator Movement](#)

10. If "1" is not shown for the day, rotate the crown until "1" is shown for the day.

- The mode hand moves in conjunction with crown rotation. Move the mode hand to 12 o'clock.

11. Push the crown back in.

### Note

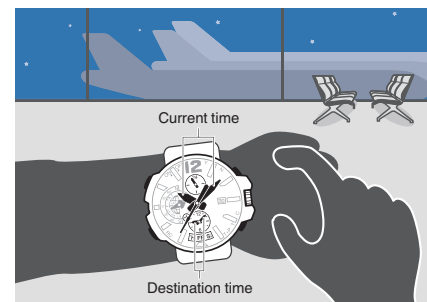
- Leaving the crown pulled out for more than approximately 30 minutes without performing any operation will automatically cause the adjustment operation to become disabled. If this happens, push the crown back in to its normal position and then pull it out again to restart the procedure from the beginning. Pushing the crown in to its normal position part way through the alignment procedure will cause the hands to return to their normal position. Any alignment you performed up to that point will be applied.

## Moving to Another Time Zone

Use the procedure below to easily change day and time settings of the watch to a destination location.

### ● Before Boarding

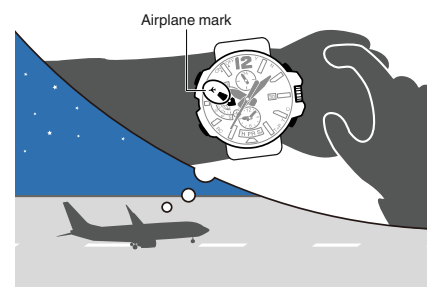
Configure the World Time to the current time at your destination.



### [Specifying a World Time City](#)

### ● Prior to Takeoff

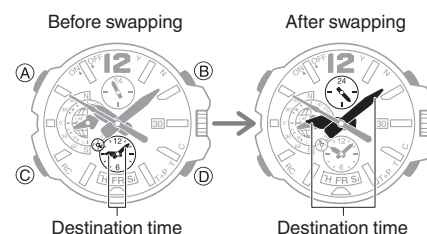
Enter the watch's Airplane Mode when instructed to do so by airline personnel.



### [Using the Watch in a Medical Facility or Aircraft](#)

### ● After Arriving

1. Swap the origin time zone time with the destination time zone time.



### [Swapping Your Home City Time and World Time](#)

2. Exit the Airplane Mode.

### [Using the Watch in a Medical Facility or Aircraft](#)

## Other Information

This section provides non-operational information you also need to know. Refer to this information as required.

### City List

City code	City Name	Second Hand Position	UTC Offset
UTC	Coordinated Universal Time	Second 0	0
LON	London	Second 2	0
PAR	Paris	Second 4	+1
ATH	Athens	Second 6	+2
JED	Jeddah	Second 8	+3
THR	Tehran	Second 10	+3.5
DXB	Dubai	Second 12	+4
KBL	Kabul	Second 14	+4.5
KHI	Karachi	Second 16	+5
DEL	Delhi	Second 18	+5.5
DAC	Dhaka	Second 20	+6
RGN	Yangon	Second 22	+6.5
BKK	Bangkok	Second 24	+7
HKG	Hong Kong	Second 26	+8
TYO	Tokyo	Second 28	+9
ADL	Adelaide	Second 30	+9.5
SYD	Sydney	Second 32	+10
NOU	Noumea	Second 34	+11
WLG	Wellington	Second 36	+12
HNL	Honolulu	Second 40	-10
ANC	Anchorage	Second 42	-9
LAX	Los Angeles	Second 44	-8
DEN	Denver	Second 46	-7
CHI	Chicago	Second 48	-6
NYC	New York	Second 50	-5
YHZ	Halifax	Second 52	-4
RIO	Rio de Janeiro	Second 54	-3
FEN	Fernando de Noronha	Second 56	-2
RAI	Praia	Second 58	-1

- The information in the above table is current as of January 2017.
- 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 [AT (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

- If the summer time start and end dates for your current location have been changed, they may be different from those indicated in the table 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 you cannot connect with a phone for some reason, you can change the summer time setting to "STD" or "DST" 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
Wellington	02:00, last Sunday in September	03:00, 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
Rio de Janeiro	00:00, third Sunday in October	00:00, third Sunday in February or 00:00, fourth Sunday in February

- The information in the above table is current as of January 2017.

## Map Data Source

This watch uses the map database of Tokyo Cartographic Co., Ltd.

## Supported Phone Models

For information about supported phone models, visit the CASIO Website.

[https://world.casio.com/os\\_mobile/wat/](https://world.casio.com/os_mobile/wat/)

## Specifications

### Accuracy at normal temperature :

±15 seconds per month when time correction by time calibration signal reception or by communication with a phone is not possible.

### Timekeeping :

Hour, minute, second, day (2000 to 2099 full auto calendar), day of the week

### Signal Receive Functions :

GPS signals: Auto Receive, manual receive  
Time calibration signal: Auto Receive  
Auto transmitter selection (for JJY, MSF/DCF77)

Receivable call signs:

JJY (40kHz/60kHz), BPC (68.5kHz), WWVB (60kHz), MSF (60kHz), DCF77 (77.5kHz)

Last reception result display

Automatic and manual switching between standard time and summer time.

### Mobile Link :

Auto Time Correction

Time setting corrected automatically at preset time

Auto Summer Time Switching

Automatic switching between standard time and summer time

Hand alignment correction

Data Communication Specifications

Bluetooth®

Frequency Band: 2400MHz to 2480MHz

Maximum Transmission: 0 dBm (1 mW)

Communication range: Up to 2 meters (depends on environment)

## World Time :

Current time in 39 time zones \* and Coordinated Universal Time (UTC) time display, summer time auto switching

\* Subject to updated by connection between the watch and a phone.

## Stopwatch :

Measurement unit: 1 second  
Measuring capacity: 23:59'59" (24 hours)  
Measurement function: Elapsed time

## Timer :

Setting unit: 1 minute  
Countdown range: 24 hours  
Countdown unit: 1 second

## Alarm :

Daily alarm  
Setting units: Hours, minutes  
Beeper: 10 seconds

## Other :

LED light; auto hand position correction;  
Power Saving; Low Battery Alert; Airplane Mode (disables data communication)

## Power Supply :

Solar panel and one rechargeable battery (Type: CTL1616)  
Battery nominal voltage: 2.3V  
Battery operating time: Approximately 6 months  
Conditions:  
Not exposed to light under the conditions below.  
GPS time information receive (approximately 10 seconds): 1 operation/ 2 days  
GPS location information receive (approximately 45 seconds): 1 operation/ month  
Light: 1 operation/day  
Alarm: 1 operation/day

Specifications are subject to change without notice.

## 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

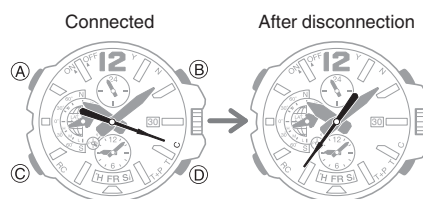
- When using this watch in combination with a phone, keep the watch and phone close to each other. A range of two meters is recommended as a guideline, but the local environment (walls, furniture, etc.), the structure of a building, and other factors may require a much closer range.
- This watch can 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 whenever the second hand is pointing to [C]. Even if the second hand is not pointing at [C], the watch will automatically attempt to connect with a phone four times a day to adjust its time settings.

When in a hospital, on an aircraft, or in any other area where the use of radio waves is not allowed, use the operation below to stop radio wave generation.

- Stopping Radio Wave Generation  
Press any button to terminate the Bluetooth connection.



- Disabling Auto Time Adjustment  
Configure CASIO WATCHES settings to disable synchronization between the watch and phone.  
[Using the Watch in a Medical Facility or Aircraft](#)

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## Troubleshooting

### Signal Reception (GPS)

**Q1** The watch cannot perform a receive operation.

Is the watch's battery charged?

Signal reception is not possible while battery power is low. Keep the watch exposed to light until it recharges sufficiently.

[Solar Charging](#)

Is the watch in the Timekeeping Mode?

Signal reception is not possible unless the watch is in the Stopwatch Mode. Note that signal reception is also disabled in the Airplane Mode. Return to the Timekeeping Mode and/or exit the Airplane Mode.

[Navigating Between Modes](#)

After checking the above, the watch still cannot perform a receive operation.

GPS signal reception is not possible under the conditions described below.

- During power saving
- While the crown is pulled out
- Timer countdown operation in progress

**Q2** The second hand remains at “T+P” or “T(TIME)” during the signal receive operation.

The watch may be receiving leap second information.

🔗 [Leap Second Reception](#)

**Q3** The 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 signal reception is better.

🔗 [Appropriate Signal Reception Location](#)

Is the face of the watch pointed straight upwards at the sky?

Minimize movement of the watch while the receive operation is in progress. When the watch is set up for auto receive, take care to avoid covering the watch face with the sleeve of your clothing.

An alarm started sounding while the receive operation was in progress.

Receive stops if an alarm operation starts while it is being performed. Disable the alarm.

🔗 [Enabling/Disabling the Alarm](#)

**Q4** Signal reception should have been successful, but the watch's time and/or day is wrong.

Is your Home City setting correct for your location?

Change your Home City setting so it correctly reflects your location.

🔗 [Acquiring GPS Location Information Manually](#)

🔗 [Setting a Home Time City](#)

Is the hand and/or day indicator alignment correct?

Adjust hand and/or day indicator alignment.

🔗 [Adjusting Hand and Day Indicator Alignment](#)

After checking the above, the time and/or day settings is still wrong.

Adjust time and day settings manually.

## Signal Reception (Time Calibration Signal)

**Q1** The watch cannot perform a receive operation.

Is the watch's battery charged?

Signal reception is not possible while battery power is low. Keep the watch exposed to light until it recharges sufficiently.

🔗 [Solar Charging](#)

Is the watch in the Timekeeping Mode?

Signal reception is not possible unless the watch is in the Stopwatch Mode. Note that signal reception is also disabled in the Airplane Mode. Return to the Timekeeping Mode and/or exit the Airplane Mode.

🔗 [Navigating Between Modes](#)

Is your Home City setting correct for your location?

The watch will not indicate the correct time if the Home City setting is wrong. Change your Home City setting so it correctly reflects your location.

🔗 [Acquiring GPS Location Information Manually](#)

🔗 [Setting a Home Time City](#)

After checking the above, the watch still cannot perform a receive operation.

Time calibration signal reception is not possible under the conditions described below.

- When watch is at Level 2 power saving
- When the crown is pulled out
- Timer countdown operation in progress

If successful reception is not possible for some reason, you can adjust the time and day settings manually.

**Q2** The 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 signal reception is better.

🔗 [Appropriate Signal Reception Location](#)

Did you avoid touching the watch while the receive operation was in progress?

Minimize movement of the watch and do not perform any watch operation while a receive operation is in progress.

Is there an alarm configured to sound during the same period that the signal receive operation is performed?

Receive stops if an alarm operation starts while it is being performed. Disable the alarm.

🔗 [Enabling/Disabling the Alarm](#)

Is the signal transmitter in your area transmitting a signal?

The transmitter of the time calibration may not be transmitting a signal. Try again later.

**Q3** Signal reception should have been successful, but the watch's time and/or day is wrong.

Is the hand and/or day indicator alignment correct?

Adjust hand and/or day indicator alignment.

🔗 [Adjusting Hand and Day Indicator Alignment](#)

After checking the above, the time and/or day settings is still wrong.

Adjust time and day settings manually.

🔗 [Adjusting Time 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 CASIO WATCHES on your phone?

CASIO WATCHES needs to be installed on your phone in order to connect with the watch.

🔍 ① [Install the required app on your phone.](#)

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 Sharing" → "CASIO WATCHES" → On

### Android Users

- Enable Bluetooth.

Other than the above.

Some phones need to have BT Smart disabled to use CASIO WATCHES. 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 CASIO WATCHES running?

The watch cannot re-connect with the phone unless CASIO WATCHES is running on the phone. On the phone's Home Screen, tap the CASIO WATCHES icon. Then on the watch, hold down the MODE button (C) for about 2.5 seconds.



Have you tried turning your phone off and then back on again?

Turn the phone off and then back on, and then tap the CASIO WATCHES icon. Next, on the watch, hold down the MODE button (C) for about 2.5 seconds.



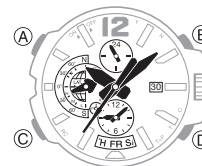
**Q2** I can't connect while my phone is in the Airplane Mode.

Connection with the watch is not possible while the phone is in the Airplane Mode. After exiting the phone's Airplane Mode, go to its Home Screen and tap the "CASIO WATCHES" icon. Then on the watch, hold down the MODE button (C) for about 2.5 seconds.



**Q3** I can't connect while the watch is in the Airplane Mode.

Exit the watch's Airplane Mode. Then hold down the MODE button (C) for about 2.5 seconds.



**Q4** I changed the phone's Bluetooth from enabled to disabled, and now I can't connect anymore.

On the phone, re-enable Bluetooth, and then go to the Home Screen and tap the "CASIO WATCHES" icon. Next, on the watch, hold down the MODE button (C) for about 2.5 seconds.



**Q5** I can't connect after turning off the phone.

Turn on the phone and tap the CASIO WATCHES icon. Then on the watch, hold down the MODE button (C) for about 2.5 seconds.

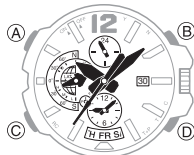


## Phone-Watch Connection

**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 the phone off and then back on, and then tap the CASIO WATCHES icon. Next, on the watch, hold down the MODE button (C) for about 2.5 seconds.



Has the watch been re-paired with the phone?

After unpairing the watch and phone, re-pair them again.

[Unpairing](#)

If you are unable to establish a connection...

Delete the pairing information from the watch, and then re-pair the watch and phone.

[See the Note under "Unpairing".](#)

## Changing to a Different Phone Model

**Q1** Connecting the current watch to another phone.

Pair the watch with the phone.

[Pair the watch with a phone.](#)

## Auto Time Correction by Bluetooth Connection (Time Correction)

**Q1** When does the watch sync its time setting with the phone?

The watch connects with the phone and performs auto time correction at around 12:30 a.m., 6:30 a.m., 12:30 p.m. and 6:30 p.m. The connection is automatically terminated after auto time correction is complete.

**Q2** Auto time correction is performed, but the time setting is not correct.

Is auto time correction not being performed according to its normal schedule?

Note that auto time correction is not performed for 24 hours after swapping of the Home Time and World Time, or after the time setting is corrected manually on the watch. Auto time correction will resume 24 hours after either of the above operations is performed.

Is the watch in the Airplane Mode?

Auto time adjustment will not be performed at the scheduled times if the watch is in the Airplane Mode. Exit the watch's Airplane Mode.

[Using the Watch in a Medical Facility or Aircraft](#)

**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.

## Alarms

**Q1** The alarm does not sound.

Is the watch's battery charged?

Keep the watch exposed to light until it recharges sufficiently.

[Solar Charging](#)

The crown is pulled out.

The alarm will not sound while the crown is pulled out. Push the crown back in to its normal position.

Is the alarm enabled?

Enable the alarm.

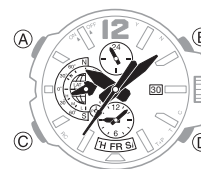
[Enabling/Disabling the Alarm](#)

## Hand Movement and Indications

**Q1** I don't know what mode the watch is in.

You can determine the current mode by checking the disk. Use (C) to navigate between modes.

[Navigating Between Modes](#)



**Q2** The second hand is jumping at two-second intervals.

Battery power is low. Keep the watch exposed to light until it recharges sufficiently.

[Solar Charging](#)

**Q3** All hands are stopped and buttons do not work.

The battery is dead. Keep the watch exposed to light until it recharges sufficiently.

[Solar Charging](#)

**Q4** The hands suddenly start moving at high speed.

This is due to the reason (or one of the reasons) below, and does not indicate malfunction. Simply wait until normal hand movement resumes.

- The watch is recovering from a power saving state.  
[🔗 Power Saving](#)
- The hands are moving to their new positions following a GPS signal or time calibration signal receive operation.  
[🔗 Time Adjustment \(GPS, Time Calibration Signal\)](#)
- Watch is connected with a phone to correct its time setting.  
[🔗 Auto Time Adjustment](#)

**Q5** Hands are stopped and buttons do not work.

The watch is in the charge recovery mode. Wait until the recovery process is complete (for about 15 minutes). The watch will recover more quickly if you place it in a brightly lit location.

**Q6** Why is the current time indicated by the watch is off by a certain amount of time (nine hours, three hours and 15 minutes, etc.)?

The city setting is not correct. Select the correct setting.

- 🔗 [Acquiring GPS Location Information Manually](#)
- 🔗 [Setting a Home Time City](#)

**Q7** The current time indicated by the watch is off by one hour or 30 minutes.

The summer time setting is not correct. Select the correct setting.

- 🔗 [Acquiring GPS Location Information Manually](#)
- 🔗 [Setting a Home Time City](#)

**Q8** The hand and/or day indicator are not aligned correctly.

Strong magnetism or impact can cause the hands and/or the indicator to go out of alignment. Correct hand and/or day indicator alignment.

- 🔗 [Adjusting Hand and Day Indicator Alignment](#)

## Crown Operations

**Q1** Nothing happens when I rotate the crown.

If you do not perform any operation for about two minutes after pulling out the crown (approximately 30 minutes in the case of hand and day indicator alignment), crown operations will automatically become disabled. Push the crown back in to its normal position and then pull it out again to re-enable crown operations.

- 🔗 [Using the Crown](#)