Operation Guide 5531

CASIO®

Contents

CASIO®

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
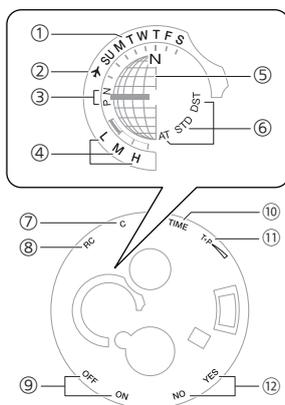
① Day of week
In the Timekeeping Mode, the day of the week hand indicates the day of the week in the current Home City.

② Airplane Mode mark
While the watch is in the Airplane Mode, the day of the week hand points to ✈.

③ Signal receive status, location information availability
When checking the last receive result
The day of the week 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 day of the week 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

④ Battery level
The current charge level is temporarily indicated by the mode hand immediately after you enter the Timekeeping Mode.

⑤ Latitude
When the watch acquires location information, or connects with a phone and adjusts its time setting, the day of the week hand will indicate the rough latitude of the city for which information was acquired.

⑥ Summer time setting
The day of the week hand points to the summer time setting for the current Home City.

⑦ C mark
The second hand points to this mark while there is a connection between the watch and a phone.

⑧ RC mark
The second hand points to this mark while calibration signal reception is in progress.

⑨ 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

⑩ T (Time) mark
The second hand points to this mark while GPS (time information) signal reception is in progress.

⑪ T+P mark
The second hand points to this mark while GPS (location information) signal reception is in progress.

⑫ 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.

Navigating Between Modes

Your watch has the modes shown below.
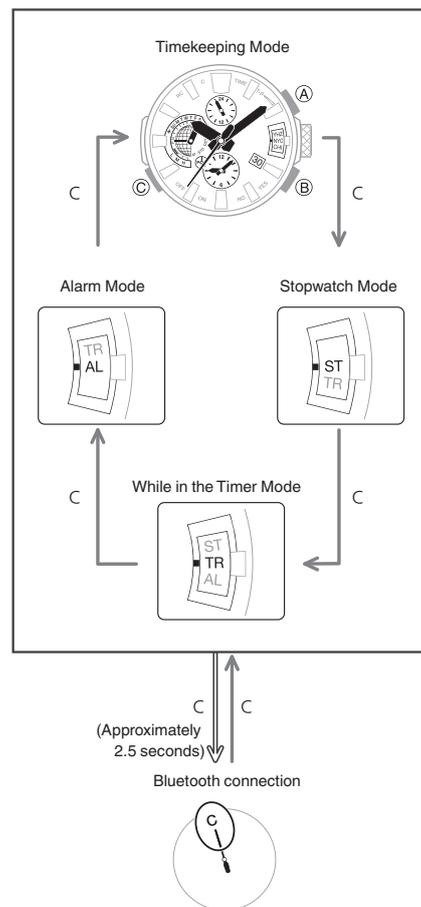
Use the (C) button to navigate between modes.

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.

Current location time / World Time swapping (Hold down about 3 seconds.)
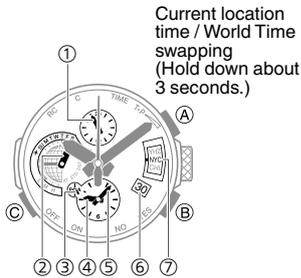
① Current location time (24-hour time)
One revolution every 24 hours.

② Day of the week at current location

③ 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.

④ World Time hour

⑤ World Time minute

⑥ Current location date

⑦ World Time City

● 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.

Start / Stop
Reset
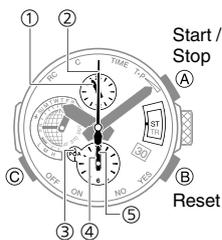
① Current location time (24-hour time)
One revolution every 24 hours.

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.

Start / Stop
Reset
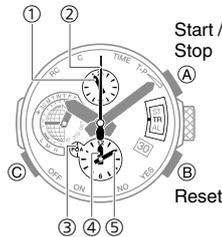
① Current location time (24-hour time)
One revolution every 24 hours.

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 hours

⑤ Timer minutes

● 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.

Enabling / Disabling the Alarm
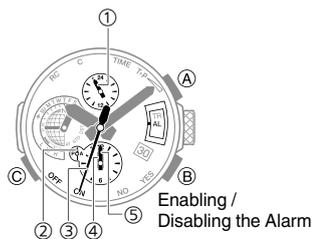
① Current location time (24-hour time)
One revolution every 24 hours.

② 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.

③ Alarm enabled/disabled

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.
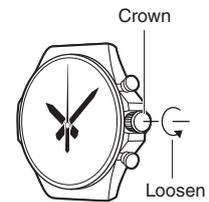
Crown
Loosen

● 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

Normal timekeeping
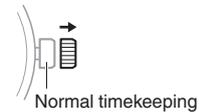
Second click

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.

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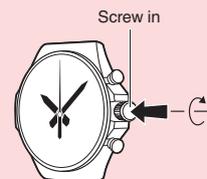
• When pushing the crown back in, take care not to apply too much force.

● **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

Day indicator
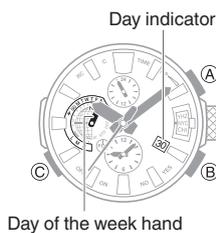
Day of the week hand

● **Day of the Week and Day Indicator Operation**

Changing the day setting of the watch will also cause the day of the week hand to move in conjunction with the day.

● **Day**

- It can take anywhere from about 10 to 40 seconds for the day indicator to change after timekeeping reaches midnight. The day of the week hand will move 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.

YES   NO
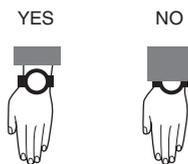
Important!

- 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**

Immediately after you press (C) to return to the Timekeeping Mode, the day of the week hand will indicate the battery charge level. After a short while, the day of the week hand will return to indicating the current day of the week.
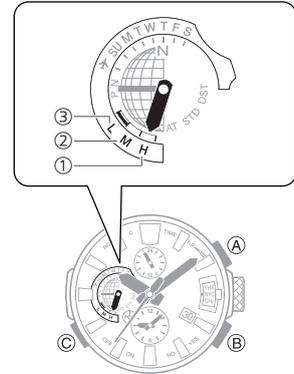
① Good (high charge)

② Good (medium charge)

③ Low Battery

● **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.
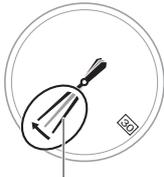
Second hand

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

Times Required to Achieve Next Charge Level

Light Intensity		Approximate Charging Time	
		Charge Level 1	Charge Level 2
High ↓ Low	①	2 hours	27 hours
	②	6 hours	101 hours
	③	10 hours	164 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 local charging environment.

● 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 Position Information Manually

GPS signal (location information)
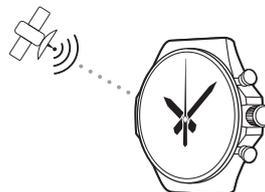
● Normal Use of the Watch

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)
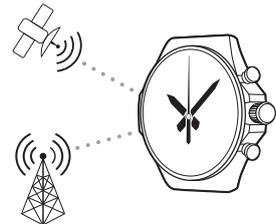
Time calibration signal

Note the following points that apply while the watch is paired with a phone.

- The watch does not perform auto receive of time calibration signal or GPS signals (time information).
- Auto receive of time calibration signal or GPS signals (time information) starts to be performed again after there is no connection between the watch and a phone for more than one day.

> **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 Position 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
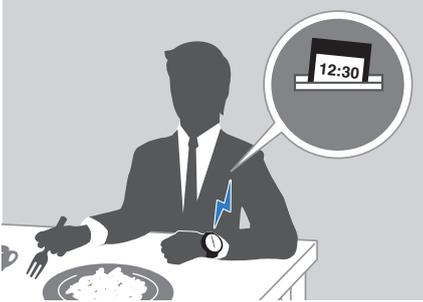
● **If the watch is not showing the correct time...**

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 MR-G Connected to Make Adjustments

🔍 Using Watch Operations to Make Adjustments

Checking the Receive Operation Result

1. Enter the Timekeeping Mode.
   🔍 Navigating Between Modes

2. Press (B).

   The second hand points to the letter that indicates the result of the last time adjustment operation that was performed by receipt of a signal or connection with a phone.

   [Y(YES)]: Last time adjustment operation successful.
   [N(NO)]: Last time adjustment operation failed.

   The day of the week hand indicates details about the receive (acquisition) operation.

   "P": GPS signal time or phone time information and location information
   "N": GPS signal time information or time calibration signal

Second hand

Day of the week hand
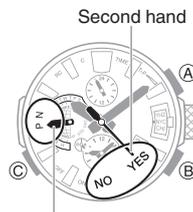
Note

- 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 day of the week hand will indicate the rough latitude of your current location.

North Pole
Latitude
Equator
South Pole
Home City
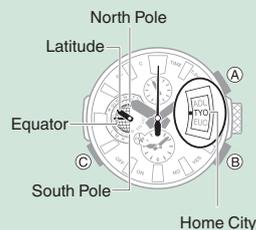
Using the Watch in a Medical Facility or Aircraft

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 (B).

   The second hand points to the letter that indicates the result of the last time adjustment operation that was performed by receipt of a signal or connection with a phone.

3. Within 10 seconds after pressing (B) above, pull out the crown to the first click.

   - If more than 10 seconds elapse before you pull out the crown after you perform the operation in step 2, the second hand will return to indicating seconds. If this happens, perform step 2 again.

4. Rotate the crown to enter the Airplane Mode.

   N(NO): Airplane Mode enabled
   Y(YES): Airplane Mode disabled
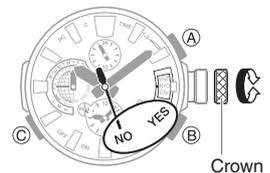
Crown

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

Checking the Current Home City

Pressing (B) will cause the second hand to indicate the result of the last receive operation. The indicator window will show the current Home City setting, while the day of the week hand will indicate the approximate latitude of the Home City.

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

Latitude — Home City
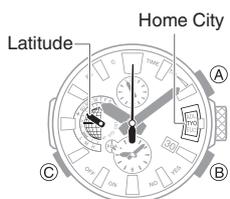
Note

- The Home City will not be displayed if the watch has not acquired an location information. If this happens, pull out the crown to the second click. This will cause the indicator window to show the current Home City setting.

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 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 MR-G Connected to Make Adjustments
  - 🔍 Using Watch Operations to Make Adjustments

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 Position 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 (B) 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 (B).

   This will cause the second hand to move to "T+P", indicating that location information acquisition has started. The position of the second hand during reception will depend on the current reception conditions.

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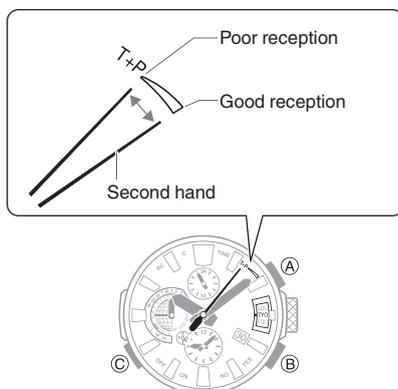
• If location information acquisition is successful, the second hand will move to "Y(YES)" and then the watch will automatically adjust its time and day settings. The watch will display the acquired Home City and the day of the week hand will indicate the approximate latitude of your current location.

North Pole
Equator
Latitude
Home City
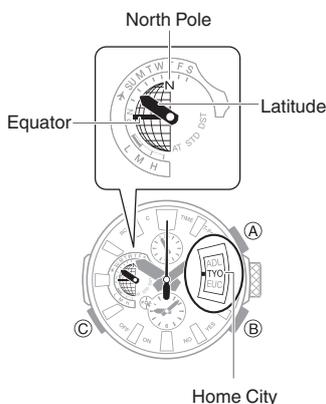
• If position information acquisition fails for some reason, the second hand will move to "N(NO)" and then the watch will indicate the current time and day without adjusting them.

> **Note**
>
> • Reception takes anywhere from about 30 to 80 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. When the receive operation is successful, the watch's Home City, day, and time settings will be adjusted accordingly.

> **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 (B) 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.
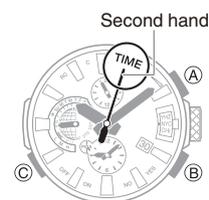
Second hand
TIME

• 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.

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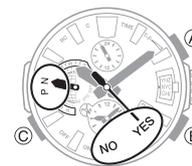
• If reception fails for some reason, the second hand will move to "N(NO)" and then the watch will indicate the current time and day without adjusting them.

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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.

6 o'clock position

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.

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Auto Time Calibration Signal Receive

An automatic time calibration signal receive operation is performed and the time and day settings are adjusted 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 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 adjust its time in accordance with a calibration signal for some reason, average timekeeping accuracy is within ±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 MR-G Connected is running on the phone.
> - This section describes watch and phone operations.
>   ⌚ : Watch operation
>   📱 : Phone operation

Getting Ready

① Installing the Required App on Your Phone

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

② Configuring Bluetooth Settings

Enable the phone's Bluetooth.

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

③ Pairing 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. 📱 On the Home Screen, tap the "MR-G Connected" icon.

3. 📱 Perform the operation shown on the screen of the phone to be paired with.
   - If a pairing prompt message appears, perform the operation shown on the phone screen.
   - 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.

C mark
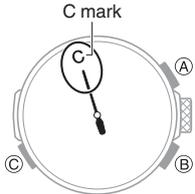
> **Note**
>
> - The first time you start up MR-G Connected, a message will appear on your phone asking if you want to enable location information acquisition. Configure settings to allow background use of location information.

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.

12:30
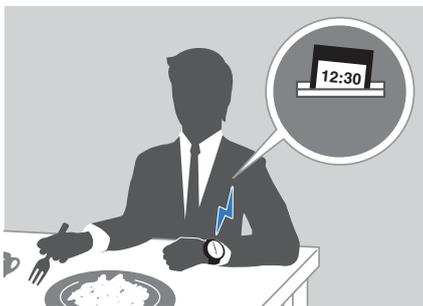
> **Important!**
>
> - The watch may not be able to perform auto time adjustment under the conditions described below.
>   - While the watch is too far away from its paired phone
>   - While communication is not possible due to radio interference, etc.
>   - While the phone is updating its system

> **Note**
>
> - If the watch does not indicate the correct time even if is able to connect with a phone, adjust the hand and date indicator positions.
>   - 🔍 Adjusting Hand and Day Indicator Alignment
> - If there is a World Time City specified with MR-G Connected, 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.
> - GPS signal or time calibration signal auto receive will be performed if there has been no auto time adjustment based on connection between the watch and phone for more than one day.

● Triggering Immediate Time Adjustment

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 (B) 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, the watch will display the acquired Home City and the day of the week hand will indicate the approximate latitude of your current location. Next, the connection will be terminated.
   - If time synchronization fails for some reason, the second hand will move to "N" (NO).

North Pole

Equator

Latitude
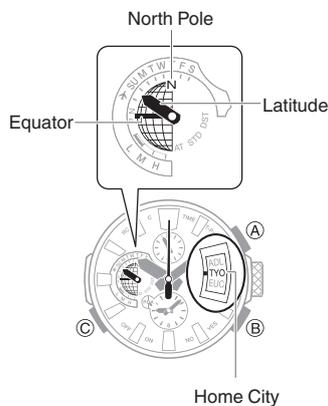
Home City

Configuring World Time Settings

Specifying a World Time City with MR-G Connected 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.
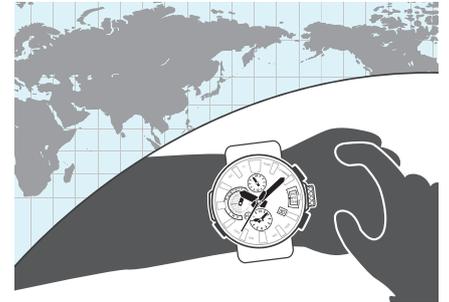
> **Note**
>
> - MR-G Connected World Time lets you select from among approximately 300 cities as the World Time City.

● Selecting a World Time City

1. 📱 Tap the "MR-G Connected" 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.

World Time hour and minute

World Time hour (24-hour)
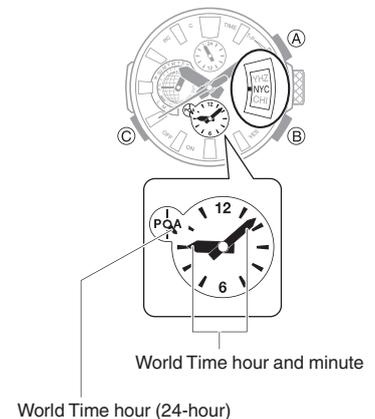
● **Configuring the Summer Time Setting**

1. 📱 Tap the "MR-G Connected" 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 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.

> **Note**
>
> • While the summer time setting is "Auto", the watch will switch 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 MR-G Connected.

● **Swapping Your World Time and Home Time**

1. 📱 Tap the "MR-G Connected" 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.

    Before swapping   After swapping

    Home City (Tokyo)   Home City (New York)

    World Time City   World Time City
    (New York)   (Tokyo)
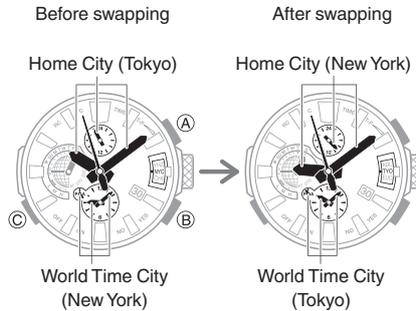
> **Note**
>
> • Auto time adjustment does not work for 24 hours after swapping of the Home Time and World Time.

Adjusting Hand and Day Indicator Alignment

If the hands and/or day indicator are out of alignment even though auto time adjustment is being performed, use MR-G Connected to adjust them.

1. 📱 Tap the "MR-G Connected" 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 MR-G Connected to specify the amount of time until the Bluetooth connection is automatically terminated, and to configure other settings.

1. 📱 Tap the "MR-G Connected" 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.

Changing the Home City Summer Time Setting

1. 📱 On the Home Screen, tap the "MR-G Connected" 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 MR-G Connected.

1. 📱 On the Home Screen, tap the "MR-G Connected" 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 MR-G Connected 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 Pairing 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 MR-G Connected is not running on the phone. On the phone's home screen, tap the "MR-G Connected" icon. After the app starts up, hold down the watch's (C) button for about 2.5 seconds.

Note

- The connection will be 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 MR-G Connected: "Watch settings" ➔ "Connection time". 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.

Connected   After disconnection
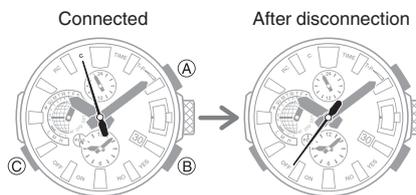
Unpairing

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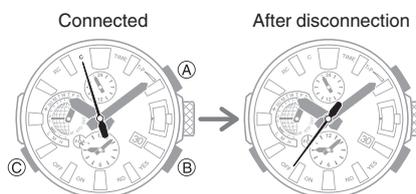
   Connected   After disconnection

2. 📱 On the Home Screen, tap the "MR-G Connected" 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.

  Crown

  ② ⌚ Hold down (B) 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 Pairing 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.

  Crown

  ② ⌚ Hold down (B) 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.

   This will cause the indicator window to show the current Home City.

   • You can find out whether or not location information about your current Home City is available by checking the day of the week hand position.
   "P": Available
   "N": Not available
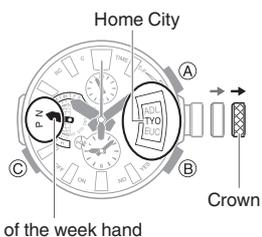
2. Rotate the crown to change the World Time City.

   • For information about the Home City, see "City List".

3. Press (A).

   You can find out the current summer time setting by checking the day of the week hand position.
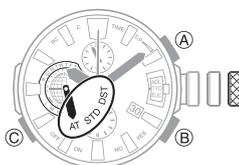
   • "AT (AUTO)"
   The watch switches between standard time and summer time automatically.
   • "STD"
   The watch always indicates standard time.
   • "DST"
   The watch always indicates summer time.

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

   Each time you hold down (A) 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 to its normal position.

Changing Your Home City Time Setting in 15-minute Steps

1. Pull out the crown to the second click.

   This will cause the indicator window to show the current Home City.
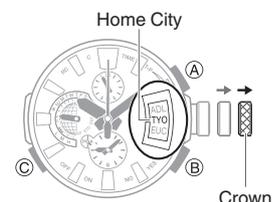
2. Hold down (C) for about one second.

   The indicator window will show ●.
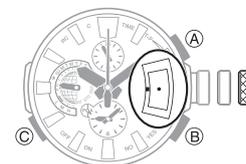
3. Rotate the crown to change the time and day settings.

   The data setting will change in 15-minute increments.
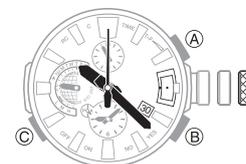
4. Push the crown back in.

> **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.

   This will cause the indicator window to show the current Home City.

Hours Minutes

Crown

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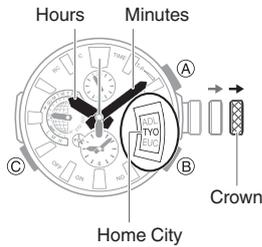
2. Hold down (C) for about 10 seconds.

   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.

Year (10's digit)
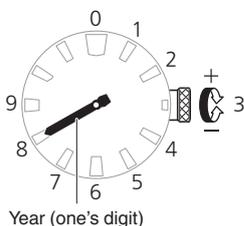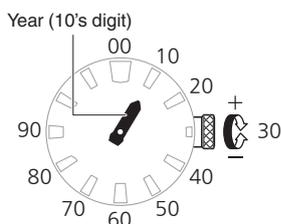
Year (one's digit)

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.
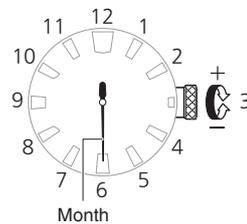
Month

9. Rotate the crown to change the month.

10. Press (C).

    The day of the week hand will move slightly, indicating that the day setting operation is enabled.
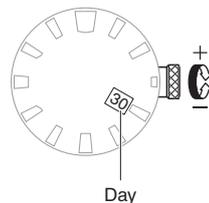
Day

   • Changing the date setting will cause the day of the week hand to rotate repeatedly.
     🔍 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 MR-G Connected to Make Adjustments
>   🔍 Using Watch Operations to Make Adjustments

World Time

World Time lets you look up the current time in any one of 39 cities around the globe, and UTC (Coordinated Universal Time).
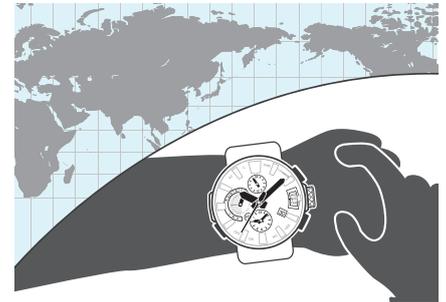
Getting Ready

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.

   • You can find out the availability of World Time location information by checking the day of the week hand.
     "P": Available
     "N": Not available

World Time City

Crown
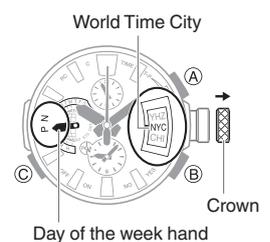
Day of the week hand

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.

World Time hour (24-hour)

Crown
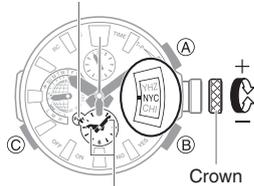
World Time hour and minute

- Pressing (A) will cause the day of the week hand to move to the current summer time setting.
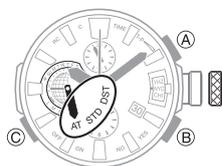
- "AT (AUTO)"
  The watch switches between standard time and summer time automatically.
- "STD"
  The watch always indicates standard time.
- "DST"
  The watch always indicates summer time.

3. Hold down (A) for about one second to change the summer time setting.
   - Each time you hold down (A) for about one second, the summer time setting will cycle to the next available option.

4. Push the crown back in.

> **Note**
>
> - While [UTC] is selected as the city, you will not be able to change or check the summer time setting.

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.
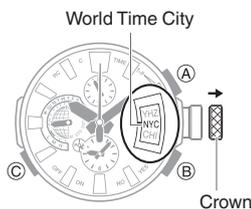
World Time City

Crown

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

   The indicator window will show ●.
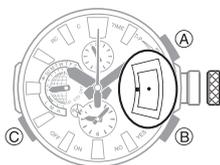
3. Rotate the crown to change the time and day settings.

   The World Time setting change in 15-minute increments.
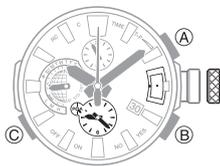
4. Push the crown back in.

> **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 down (A) for about three seconds will swap your Home City time with your World Time.

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

Before swapping   After swapping

Home Time   World Time

World Time   Home Time
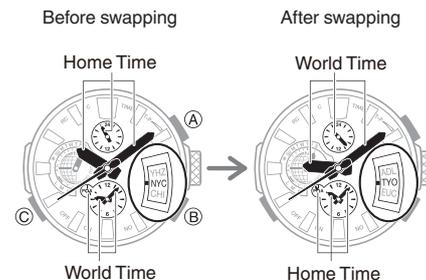
- If a swapping operation causes a change in the day indicator setting, the day of the week hand will rotate repeatedly.

  🔎 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".

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

Hour (24-hour time)

Seconds

Minutes Hours
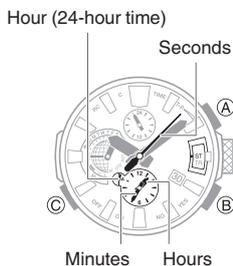
1. Use the operations below to measure elapsed time.

Ⓐ Start
⬇
Ⓐ Stop
⬇
Ⓐ Resume
⬇
Ⓐ Stop
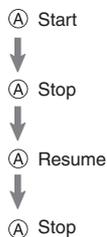
2. Press (B) to reset the elapsed time to all zeros.

3. 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

Getting Ready

Enter the Timer Mode.

🔍 Navigating Between Modes

Setting the Timer Start Time

1. Pull out the crown to the first click.

2. 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.

Hour (24-hour time)

Seconds

+

Ⓒ   Ⓑ Crown

Hours   Minutes
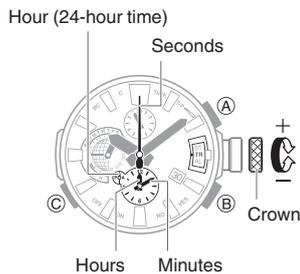
3. Push the crown back in.

> **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

1. Press (A) 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 (A). To reset a paused countdown to the start time, press (B).

2. Press any button to stop the tone.

3. 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.

Crown

Alarm on   Minutes

Hours
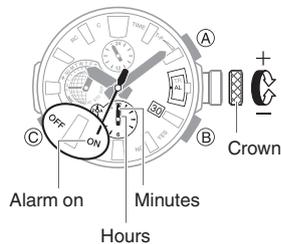
3. Push the crown back in.

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 (B) to toggle the alarm between on and off.

Alarm off

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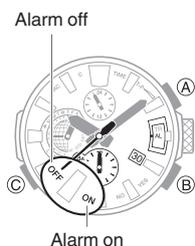
2. Press (C) once to return to the Timekeeping Mode.

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

Timekeeping Mode   Alarm Mode

Turning On the Illumination Light

Pressing (A) turns on the light.
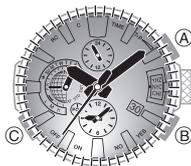
- Illumination will turn off automatically if an alarm starts to sound.
- Illumination is disabled while the hands are moving at high speed.

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, adjust 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 (B) for about five seconds, until the second hand moves to 12 o'clock.

   This will start 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.

24-hour hand

Minute hand   Hour hand

Crown

Second hand
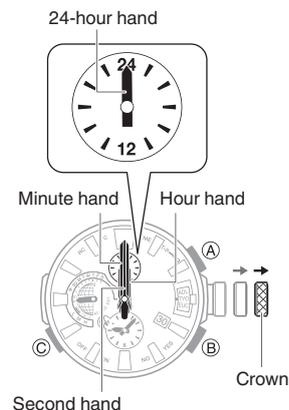
3. Press (C).

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

Small hour hand   Small minute hand

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 "UTC" is centered in the indicator window.
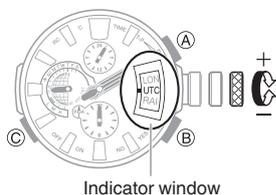
Indicator window

6. If "UTC" is not positioned in the center of the indicator window, rotate the crown until it is.

7. Press (C).

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

Day of the week hand

Day (Operation start day)
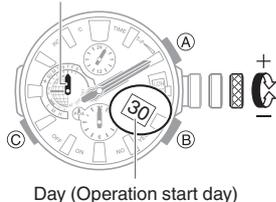
8. If the day of the week hand and or the day indicator is out of alignment, rotate the crown to move the day of the week hand to 12 o'clock and the day to the center of the indicator window.

   • The movement range of the day of the week hand and day indicator is limited when you rotate the crown. The maximum left-right movement of the day of the week hand is 180 degrees in either direction. The day indicator moves only slightly.

   • After the day of the week 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".

Day
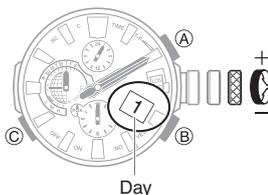
   • Changing the date setting will cause the day of the week hand to rotate repeatedly. In some cases, the day of the week hand may continue to rotate for about 5 minutes.
   🔍 Hand and Day Indicator Movement

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

    • The day of the week hand moves in conjunction with crown rotation. Move the day of the week 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.

Current time
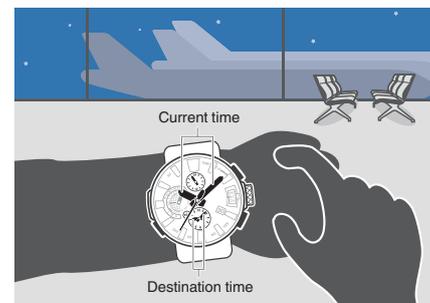
Destination time

🔍 Specifying a World Time City

● **Prior to Takeoff**

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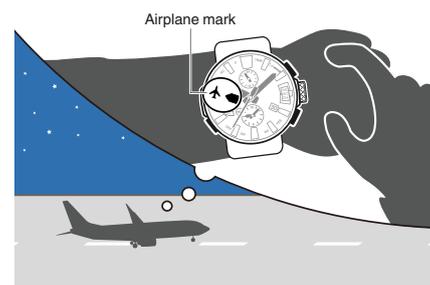
Airplane mark

🔍 Using the Watch in a Medical Facility or Aircraft

● **After Arriving**

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

Before swapping   After swapping

Destination time   Destination time
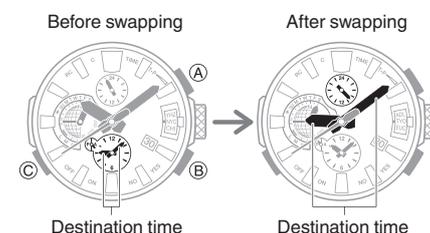
🔍 Swapping Your Home City Time and World Time

2. Exit the Airplane Mode.
   🔍 Using the Watch in a Medical Facility or Aircraft

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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	UTC Offset
UTC	Coordinated Universal Time	0
LON	London	0
PAR	Paris	+1
ATH	Athens	+2
JED	Jeddah	+3
THR	Tehran	+3.5
DXB	Dubai	+4
KBL	Kabul	+4.5
KHI	Karachi	+5
DEL	Delhi	+5.5
KTM	Kathmandu	+5.75
DAC	Dhaka	+6
RGN	Yangon	+6.5
BKK	Bangkok	+7
HKG	Hong Kong	+8
FNJ	Pyongyang	+8.5
EUC	Eucla	+8.75
TYO	Tokyo	+9
ADL	Adelaide	+9.5
SYD	Sydney	+10
LDH	Lord Howe Island	+10.5
NOU	Noumea	+11
WLG	Wellington	+12
CHT	Chatham Islands	+12.75
TBU	Nuku'alofa	+13
CXI	Kiritimati	+14
BAR	Baker Island	-12
PPG	Pago Pago	-11
HNL	Honolulu	-10
NHV	Marquesas Islands	-9.5
ANC	Anchorage	-9
LAX	Los Angeles	-8
DEN	Denver	-7
CHI	Chicago	-6
NYC	New York	-5
YHZ	Halifax	-4
YYT	St. John's	-3.5
RIO	Rio de Janeiro	-3
FEN	Fernando de Noronha	-2
RAI	Praia	-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
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
Nuku'alofa	02:00, first Sunday in November	03:00, third Sunday in January
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
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.

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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/

Specifications

Accuracy at normal temperature :

±15 seconds per month average when time adjustment 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.

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.

Mobile Link :

Auto Time Correction
Time setting adjusted 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)

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 :

Setting units: Hours, minutes

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

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 (C) to terminate the Bluetooth connection.

Connected   After disconnection
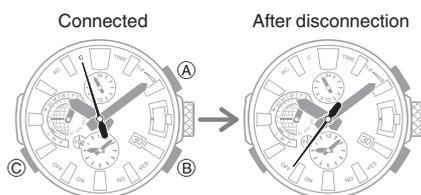
- Disabling Auto Time Adjustment
  Configure MR-G Connected settings to disable synchronization between the watch and phone.
  🔍 Using the Watch in a Medical Facility or Aircraft

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- Android is a trademark or registered trademark of Google Inc.
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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 Timekeeping 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 the watch connected with a phone?

Auto receive of signals by the watch is disabled while it is connected with a phone.

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 Position 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.

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Signal Reception (Time Calibration Signal)

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 Position Information Manually
🔍 Setting a Home Time City

Is the watch connected with a phone?

Auto receive of signals by the watch is disabled while it is connected with a phone.

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/

Did you install MR-G Connected on your phone?

MR-G Connected needs to be installed on your phone in order to connect with the watch.
🔍 ① Installing 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"➜"MR-G Connected"➜ On

Android Users
- Enable Bluetooth.

Other than the above.

Some phones need to have BT Smart disabled to use MR-G Connected. 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 MR-G Connected running?

The watch cannot re-connect with the phone unless MR-G Connected is running on the phone. On the phone's Home Screen, tap the MR-G Connected 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 MR-G Connected 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 "MR-G Connected" 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 "MR-G Connected" 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 MR-G Connected 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 MR-G Connected 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 "Unpairing".

Changing to a Different Phone Model

Q1 Connecting the current watch to another phone.

Pair the watch with the phone.
③ Pairing the Watch with a Phone

Auto Time Adjustment by Bluetooth Connection (Time Adjustment)

Q1 When does the watch adjust its time?

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. GPS signal or time calibration signal auto receive will be performed if there has been no auto time adjustment based on connection between the watch and phone for more than one day.

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

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

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

Is a timer countdown operation in progress?

Auto time adjustment will not start at the scheduled times if a timer countdown operation is in progress. Stop the timer countdown operation.
🔍 Using the Timer

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 The watch does not synchronize its time setting with a phone when I press (B).

The watch will not synchronize its time if you press (B) while a timer countdown operation is in progress. Wait until the timer countdown operation is complete and then press (B) again.

Q4 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

Home City and Latitude Indication

Q1 The current Home City and/or latitude is not indicated when I press (B).

If the day of the week hand points to "N" after you press (B), it means that no location information was acquired during the last receive operation, so the Home City will not be shown by the indicator window. If this happens, pull out the crown to the second click. This will cause the indicator window to show the current Home City setting.

Hand Movement and Indications

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

You can determine the current mode by checking the indicator window. 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 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 adjust 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 Position 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 Position 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. Adjust 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