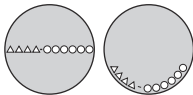


Thank you for your purchase of this Citizen watch.
Before using the watch, read this instruction manual carefully to ensure correct use. After reading the manual, store it in a safe place for future reference.
Be sure to visit the Citizen website at <http://www.citizenwatch-global.com/>.
Some models may be equipped with enhanced features functions such as slide rules and tachymeters. You can also see how to use such features and functions, which is not covered with the instruction manual, in the web site.

To check the movement number

A case number—4 alphanumeric characters and 6 or more alphanumeric characters—is engraved on the case back.
The first 4 characters of the case number represent the movement number of the watch.
In the example, “△△△△” is the movement number.

Engraving position
example



The engraving position may
differ depending on watch
model.

Safety precautions — IMPORTANT

This manual contains instructions that should be strictly followed at all times not only for optimal use, but to prevent any injuries to yourself, other persons or property. We encourage you to read the entire booklet (especially, pages 13 and 14) and understand the meaning of the following symbols:

■ Safety advisories are categorized and depicted in this manual as follows:

	DANGER	Highly likely to cause death or serious injury
	WARNING	Can cause serious injury or death
	CAUTION	Can or will cause minor or moderate injury or damage

■ Important instructions are categorized and depicted in this manual as follows:
(Following symbols are examples of Pictograms.)

	Warning (caution) symbol followed by prohibited matters.
	Warning (caution) symbol followed by instructions that should be followed or precautions that should be observed.

Features



■ Connection with smartphones through the dedicated app

Indicates notifications such as upcoming calls to the smartphone.
In addition, the watch has useful functions to prevent leaving the smartphone or search the phone missed.
To get the dedicated app, access download sites of apps for your smartphones.
For more information, see the web site below:
<http://www.citizenwatch-global.com/support/>



■ Eco-Drive

No periodical battery replacement is needed. This watch is fueled by light.



■ Alarm

You can set up to three alarm times by cooperating with the dedicated app on your smartphone.
You can also control its tone, volume and times of emitting sound.



■ World time

Cooperating with the dedicated app, the watch can indicate the same time as your smartphone's or times of various areas in the world.



■ Perpetual calendar

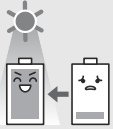
No need for monthly and leap-year date correction until February 28, 2100.

• "Eco-Drive" is an original technology of Citizen.

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Before using this watch



This watch has a rechargeable cell which is charged by exposing the dial to light.
Expose the dial to direct sunlight regularly to charge the watch. For details of charging, see page 10 -.

Dedicated app

Some functions of this watch can be controlled through the dedicated app. For details, see “Functions available with the connection”.



The icon indicates that an operation includes control from the dedicated app.

Band adjustment

We recommend seeking the assistance of an experienced watch technician for sizing of your watch. If adjustment is not done correctly, the bracelet may unexpectedly become detached leading to loss of your watch or injury. Consult an authorized service center.

Protective stickers





Be sure to remove any protective stickers that may be on your watch (case back, band, clasp, etc.). Otherwise, perspiration or moisture may enter the gaps between the protective stickers and the parts, which may result in a skin rash and/or corrosion of the metal parts.

How to use a specially designed crown/button

Some models are equipped with a specially designed crown and/or push button to prevent accidental operation.

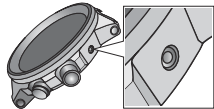
■ Screw down crown/button

Unlock the crown/button prior to operate your watch.

	Unlock	Lock
Screw down crown	 <p>Rotate the crown counterclockwise until it releases from the case.</p>	 <p>Push the crown in to the case. With gentle pressure towards the case, rotate the crown clockwise to secure it to the case. Be sure to tighten firmly.</p>
Screw down push button	 <p>Rotate the locking screw counterclockwise, and loosen until it stops.</p>	 <p>Rotate the locking screw clockwise, and tighten firmly.</p>

■ Recessed button

Press the button with a non-marring narrow-tipped object.

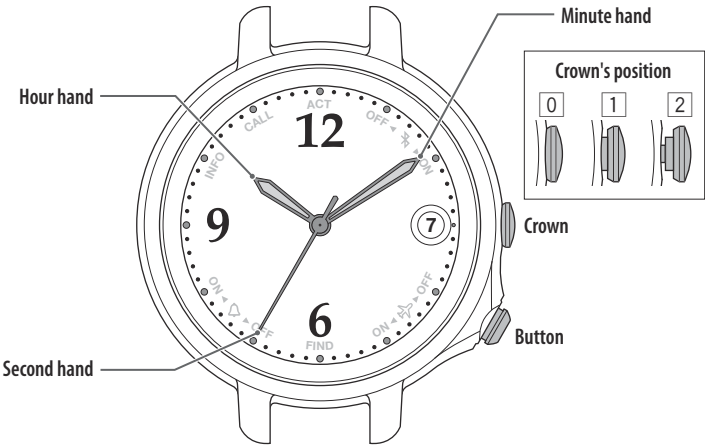


- Metal objects may cause marring or scratching of the button.

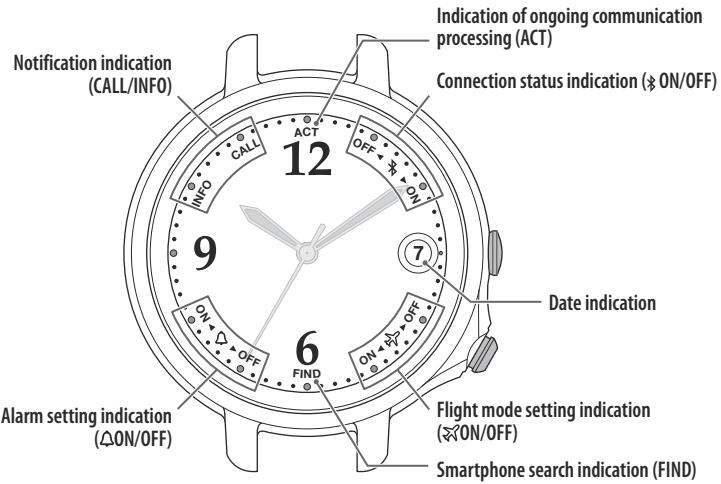
Component identification

- The illustrations in this instruction manual may differ from the actual appearance of your watch.

Hands and buttons



Indication



- A solar cell is placed under the dial.

Functions available with the connection

This watch can be connected with your smartphone through the dedicated app.

Functions available through the dedicated app

Power reserve check	You can check power reserve of the connected watch, which is indicated on the screen of the app. When disconnected, the latest power reserve before disconnection is indicated in pale tone.	5
Power generation amount check	You can check power generation amount of the watch on the screen of the app.	5
Time reception	The watch adjusts time and calendar automatically using time info provided from the smartphone.	3 6
World time	You can set times of various area in the world on the watch through the map on the screen of the app.	6
Alarm	You can set up to three alarm times, activate/deactivate alarm, and adjust alarm tone, volume and sound-emitting times.	7
Notification	You can set the watch to receive notification of incoming phone call, SNS messages or e-mails to your smartphone. When the watch receives a notification, the second hand points [CALL] (incoming phone call) or [INFO] (incoming SNS/e-mail message).	5
Notification setting	You can choose targets of notification and activate/deactivate sound for notification.	8
Protraction of connection time	You can extend connection time between the watch and your smartphone up to 12 hours in 2-hour increments.	8
Check and adjustment of the reference position of the watch (Reference position adjustment assistant)	The app assists adjustment of the reference position of the watch.	9

Functions available with the watch

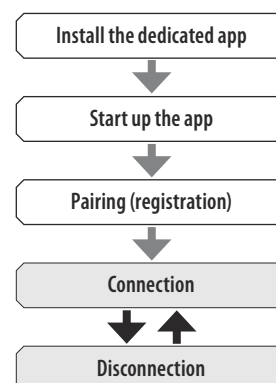
Pairing	Execute pairing when connecting the watch and your smartphone for the first time.	4
Connection/disconnection	You can connect/disconnect the watch and the registered smartphone.	4
Canceling the notification indication	The second hand does not move while indicating notification. In addition, some button operations cannot be executed without canceling the notification indication. You can cancel the indication by operating the watch.	5
Activating/deactivating alarm	You can activate/deactivate the alarm set through the dedicated app.	7
Smartphone search	You can make the registered smartphone emit sound with the watch to find it in a room.	9
Activating the flight mode	You can deactivate the function to connect with a smartphone when required such as in a plane or a hospital.	10

Before connecting with a smartphone

This watch communicates with smartphones through **Bluetooth Low Energy** power-saving communication technology.

You must install the dedicated app “**CITIZEN Eco-Drive Bluetooth S**” on your smartphone and start it to make pairing (registration) between the phone and the watch to connect them.

The flow of connection is as follows.



* The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc.

* Android is a registered trade mark of Google Inc.

* iOS is a name of an operating system of Apple Inc. IOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.

Compatible smartphones

You can see information about compatible smartphones (compatible with **Android OS 7.0/iOS 11.2** or newer) and the dedicated app at the link below.

<http://www.citizenwatch-global.com/support/>

About time reception

This watch receives time information from your smartphone at every connection and adjusts the time and calendar automatically.

In addition, the watch makes temporary connection with the smartphone automatically once a day to adjust time and calendar, even after disconnection (automatic time reception). This will take place when it is exposed with sufficient light after 3:00 AM on it.

- Pairing with a smartphone is required for the automatic time reception.
- When the watch is saving power (page 11), the automatic time reception will start after the power save is canceled.
- Automatic time information reception function does not work in the following cases:
 - When the crown is not at position [0].
 - Power reserve level of the watch is “0” (during insufficient charge warning).



Pairing (registering) the smartphone

Execute pairing at first when connecting the watch and your smartphone.

Before pairing

- Unique pairing information is saved on the watch and smartphone when pairing is executed.
- When you execute pairing anew on a watch which has pairing information, the existing information is removed and new one is saved.

Executing pairing

- For pairing, you have to operate both the watch and the smartphone.

■ Operation on the smartphone

1 Download the dedicated app "CITIZEN Eco-Drive Bluetooth S" at an app site and install it.

2 Start the dedicated app.

Keep the app screen displayed until pairing is finished.

- Agree when a dialog appears to request your permission to use Bluetooth connection. For other requests for permission, follow instructions on your smartphone.

3 Tap [Connect with your watch].

The pairing screen is displayed.

■ Operation of the watch

4 Confirm that the position of the crown is 0 and the second hand is moving every second.

- Press and hold the button for 1 second when the second hand is not moving.

5 Press and hold the button for 4 seconds or more.

- The second hand points "ACT" (0-second position), swings left and right and points "ACT" again. Release the button after the second pointing to "ACT" of the hand.

Pairing starts.

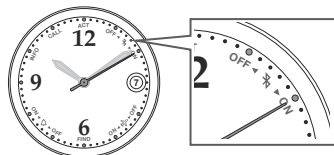
■ Smartphone

"Connected" appears as pairing is finished.

- It may take about 20 - 30 seconds to finish pairing.

■ When pairing finished successfully

The second hand of the watch points "ON" (10-second position) of the connection status indication temporarily and returns to normal movement.

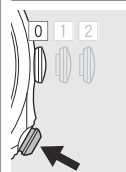


You must try pairing again when the second hand points "OFF" (5-second position) of the connection status indication.

- Press and hold the button of the watch for 1 second to cancel the "OFF" indication before you try pairing again.

Connecting/disconnecting the smartphone

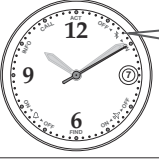
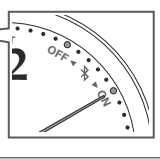
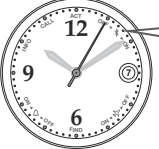
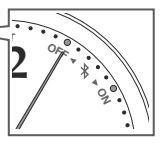
Checking connection status



1 Push the crown in to position 0.

2 Press and release the button.

The second hand indicates the current connection status (ON/OFF).

ON			Connected
OFF			Disconnected

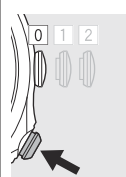
- The second hand returns normal indication automatically in 10 seconds. Press the button to return the second hand to normal indication immediately.
- The watch keeps correct time and calendar even while the second hand indicates connection status.

■ Connection status indication

The second hand automatically indicates connection status (ON/OFF) as the connection status between the watch and the smartphone changes.

Disconnecting

- Cancel indication of the second hand before operation when it points "CALL" (55-second position) or "INFO" (50-second position) of the notification indication (page 5).

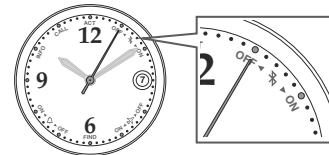


1 Push the crown in to position 0 while the watch is connected.

2 Press and hold the button for 2 seconds.

- Release the button when the second hand points "ACT" (0-second position) after pointing "ON" (10-second position).

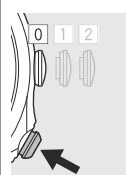
The connection is closed and the second hand points "OFF" (5-second position) of the connection status indication.



Connecting

Follow the steps below to connect the watch to a disconnected smartphone again.

- The watch cannot be connected with a smartphone without pairing.

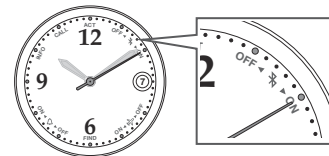


1 Push the crown in to position 0 while the watch is disconnected.

2 Press and hold the button for 2 seconds.

- Release the button when the second hand points "ACT" (0-second position) after pointing "OFF" (5-second position).

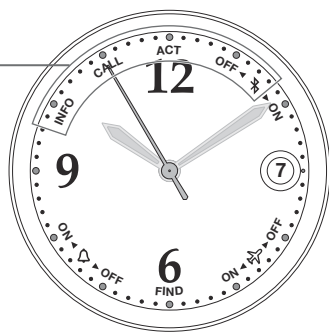
The watch is connected with the smartphone and the second hand points "ON" (10-second position) of the connection status indication.



Notification indication on the watch

The second hand points the notification indication corresponding to the type of received notification.

Notification indication by the second hand		
Indication	Second hand position	Notification type
CALL	55 seconds	Incoming phone calls
INFO	50 seconds	Various info notification
OFF	5 seconds	Disconnection notification (LINK LOSS) (doubled as connection status indication)
ACT	0 seconds	Receiving time info or connecting (Activation)



- Notification with the second hand is indicated only when the crown is in position [0]. When the watch receives notification when it cannot be indicated, notification indication is postponed until it can be indicated.
- When the watch receives a new notification while it indicates a notification, the old one is canceled and the new one is indicated.
- The watch keeps correct time and calendar even while the second hand indicates a notification.

Notification sound

You can control tone, volume and emitting times of notification sound on the [Notification] (notification) screen of the dedicated app.

- Notification sound is emitted even when the second hand cannot indicate notification.
- Notification sound is emitted again when a postponed notification is indicated by the second hand.
- Notification sound can previously be checked when setting it. For details, see “Alarm sound setting screen”.

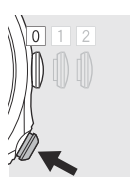
Notification reception area

Connectable distance between the watch and the smartphone is up to about 10 m (33 feet). Connectable range may be shorter due to obstacles such as walls. Do not block the watch with your body such as your arm.

Canceling the notification indication

The second hand does not return to normal movement without operation for canceling notification when it indicates following notifications: “CALL”, “INFO” and “OFF” (disconnection notification, LINK LOSS). Previous canceling of notification indication may be required for some operation.

- Canceled notification cannot be shown again.



1 Press and hold the button for 1 second while notification is indicated.

The notification indication is canceled and the second hand returns to normal movement.

- Changing the position of the crown also cancels the notification indication.

Using functions of the dedicated app

- The appearance and UI of the app used for explanation below may be changed for product improvement.

Checking the power reserve and power generation amount of the watch

The current power reserve of the watch ([Power reserve]) is indicated in 7 levels on the bottom of the home screen of the dedicated app while the watch is connected with the smartphone.

The current power generation amount of the watch is indicated in a light pattern on the center of the screen.



Indication of current power generation amount
The color of the pattern indicates the amount and it changes gradually from blue → green → yellow as the amount getting larger.

Indication of current power reserve
Power reserve level “3” is indicated on the illustration.

- Tap [Back] (back) or [Cancel] (cancel) on the upper left of the screen to show the home screen when the screen of the app does not indicate power reserve. Indication of power reserve in levels

Level	Indication	Duration (approx.)		Meaning
		When using connection	When not using connection	
6	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	13 - 12 months	24 - 18 months	Power reserve is sufficient.
5	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>			
4	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>			
3	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	12 - 11 months	18 - 14 months	Power reserve is not sufficient.
2	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	11 - 10 months	14 - 10 months	
1	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	10 months (Time reception only)	10 months - 3 days	Charge immediately.
0	<div><div></div><div></div><div></div><div></div><div></div><div></div></div>	Connection is unavailable.	3 days	
		No indication appears when the level is 0 as the watch cannot make connection with the phone. <ul style="list-style-type: none">At the level 0, the second hand starts to move once every two seconds (“When the watch reaches a low charge state (insufficient charge warning function)”).		

- See the table of “Standard use with the smartphone” in “Specifications” for details such as usage conditions of “When using connection” of duration.
- Connection is disconnected when the power reserve level becomes “1”. However, basic functions of the watch are still available.
- When you try to connect with the smartphone while power reserve level is “1”, the second hand “OFF” just after pointing “ON” to show connection is unavailable. However, the watch can get time information in that case.
- Some basic functions become unavailable while the insufficient charge warning function is active.
- The power reserve just before disconnection is indicated in level in pale colors while the watch is disconnected.

Using functions of the dedicated app (continued)

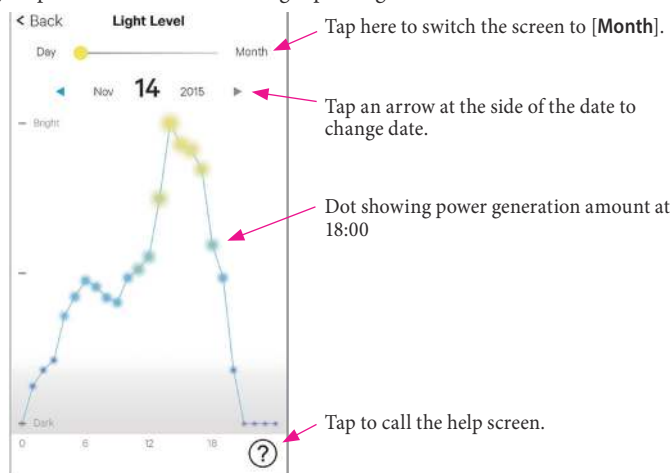
Checking the record of power generation amount of the watch

Tapping the [Light Level] icon on the home screen switches it to the [Light Level] screen.

You can see the record of power generation amount of the watch in a line graph on the [Light Level] screen. You can see daily record ([Day]) and monthly one ([Month]).

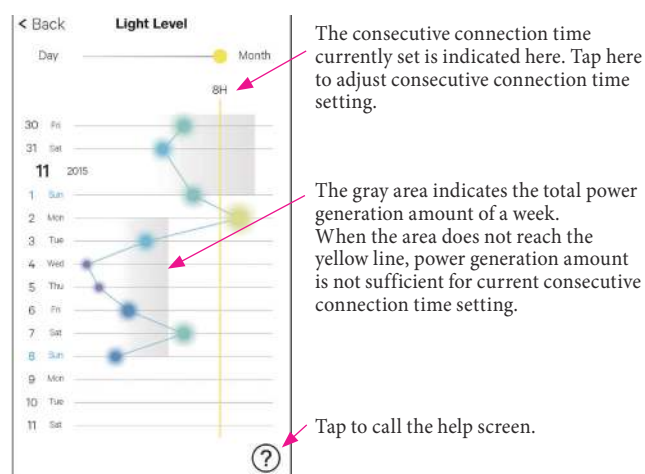
■ Indication of daily power generation amount ([Day])

Power generation amount of a day is indicated in a line graph with dots per hour. Higher position of a dot means larger power generation amount.



■ Indication of monthly power generation amount ([Month])

Power generation amount of a month is indicated in a line graph with dots per day. Position nearer to the right side of a dot means larger power generation amount.



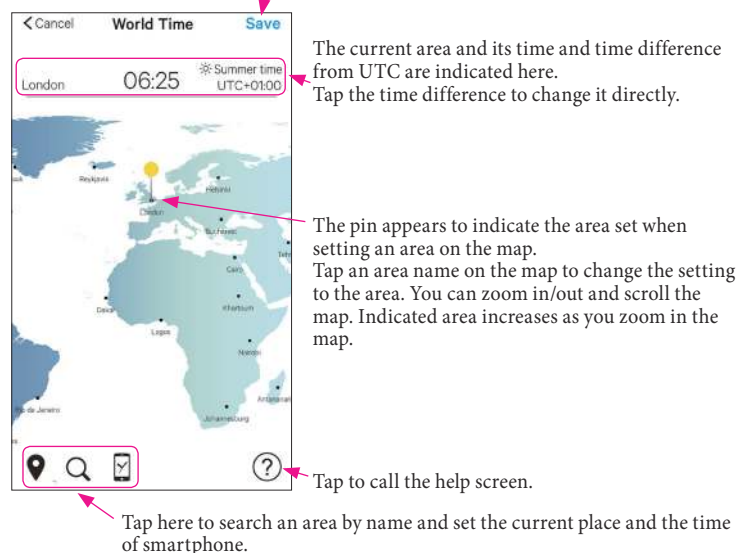
Using the world time

Tapping the [World Time] (world time) icon on the home screen switches it to the [World Time] screen.

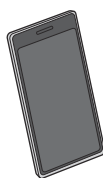
You can set the time and calendar indicated on the watch on the [World Time] screen.

- Use this screen also when setting the same time as that of the smartphone to the watch.
- Time difference indicated on the [World Time] screen is based on UTC (Coordinated Universal Time). For example, when time difference is +9 hours, "UTC+09:00" is indicated.

It turns blue as you change the setting. Tap it to save the setting when it is blue. When the watch is disconnected, the setting will be sent at its next connection.



■ Unifying the time of the watch with that of the smartphone



1 Connect the watch and the smartphone.

- Settings of the app can be changed even when the watch is disconnected.

2 Tap the [World Time] (world time) icon on the home screen.

The screen switch to the [World Time] screen.

- Tap [Back] (back) or [Cancel] (cancel) on the upper left of the screen to show the home screen when it is not displayed.

3 Tap the smartphone icon on the lower left of the [World Time] screen.

The smartphone icon turns blue and [Smart Phone Time] (time of the smartphone) appears on the left of the time indication on the top of the screen.



4 Confirm that the [Save] on the upper right of the screen has become blue and tap it.

The setting is sent to the watch and the time on it is adjusted.

- When the watch is disconnected, the setting will be sent at its next connection.

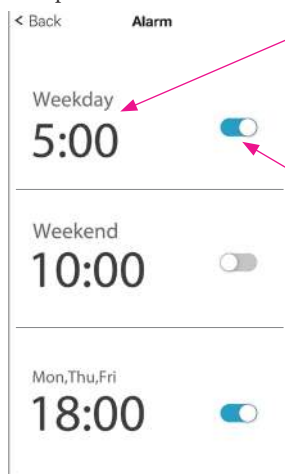
Using functions of the dedicated app (continued)

Setting alarm

Tapping the [Alarm] (alarm) icon on the home screen switches it to the [Alarm] screen.

You can set up to three alarm times on the [Alarm] screen. You can also activate/deactivate alarm and control its tone, volume and times of emitting sound here.

- The alarm emits sound based on the time indicated on the watch.
- The [Alarm] screen can be used only when the watch is connected with the smartphone.



Alarm time
Tap here when controlling alarm time. The screen switch to the alarm setting screen.

Alarm on/off setting
You can set on/off of three alarm times separately.

Alarm setting screen



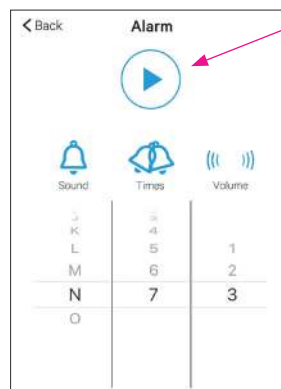
It turns blue as you change the setting. Tap it to send the setting to the watch when it is blue.

Alarm time to set
Move the hour and minute to set here.

[Sound] (alarm sound) setting
Tap here when controlling alarm sound.

[Repeat] (repetition) setting
Tap here when setting repetition of alarm.

Alarm sound setting screen



Tap here to check settings of alarm sound. The watch emits test sound.

[Sound] (tone of sound) setting
You can choose a tone from fifteen (A - O).

[Times] (number of times) setting
You can choose times of emitting sound from 1 to 7.
• For notification, you can choose from 1 to 3.

[Volume] (volume) setting
You can control volume of alarm sound in 3 levels (1 - 3).
• For notification, you can also choose silent (0 - 3).

Alarm repetition setting screen



Tap days of week you want from [Every Monday] (every Monday) to [Every Sunday] (every Sunday) to activate alarm repetition.

[Everyday] (every day) appears on the alarm setting screen when checking all days of week.

[Once] (one time) appears on the alarm setting screen when checking no days of week. The alarm emits sound only once after setting and deactivated in this setting.

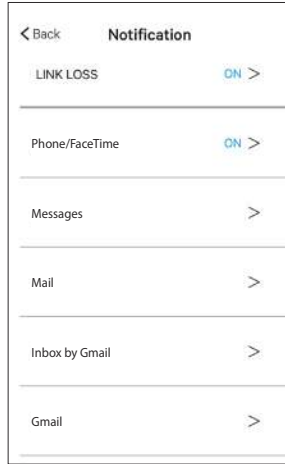
Using functions of the dedicated app (continued)

Setting notification

Tapping the [Notification] (notification) icon on the home screen switches it to the [Notification] screen.

On the [Notification] screen, you can manage and adjust settings of the notification of disconnection of the watch and incoming notification from other apps.

- Notification settings are those for the dedicated app and they can be adjusted even when the watch is disconnected. However, checking of the notification sound is available only when the watch is connected.



Tap the item you want and activate its notification on its advance setting screen to utilize the function.

On the screenshot, notifications of "LINK LOSS" and "Phone/FaceTime" are activated.

- * Android, Gmail, Hangout and Inbox by Gmail are trademarks or registered trademarks of Google, Inc.
- * Facebook is a registered trademark of Facebook Inc.
- * FaceTime is a trademark of Apple Inc., registered in the U.S. and other countries.
- * iOS is a name of an operating system of Apple Inc. IOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.
- * Names of companies and products on this instruction manual are trademarks or registered trademarks of the companies.

Advanced setting screen of notification

It activates/deactivates notification.

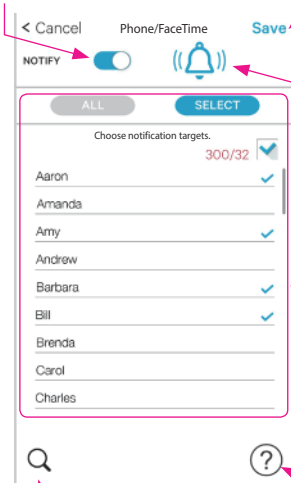
It turns blue as you change the setting. Tap it to save the setting when it is blue. When the watch is disconnected, the setting will be sent at its next connection.

Tap here to switch to the notification sound setting screen. You can set tone, volume and sound emitting times of notification sound. Choosing "0" for volume setting makes notification sound silent and only the second hand tells you notification.

Tap [ALL] (all) to set all the incoming call notification targets. No list appears in this case. Tap [SELECT] (select) to choose notification targets from the list displayed below the button.

Tap to call the help screen.

Tap here to search items on the list displayed.

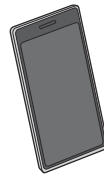


Extending the connection time

You can set connection time of the watch and the smartphone. The connection is automatically closed as the time previously set has passed since connection started.

Take care of power reserve of the watch and the smartphone when extending connection time setting. For the watch, especially, check power generation amount ("Indication of monthly power generation amount ([Month])") and keep sufficient charging and suitable connection time.

- Initial connection time setting is 4 hours.



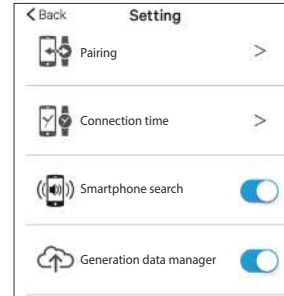
1 Tap the [Setting] (setting) icon on the home screen.

The screen switch to the [Setting] screen.

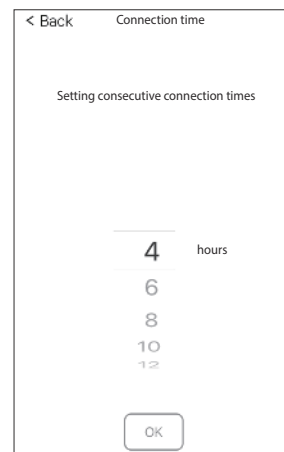
- Tap [Back] (back) or [Cancel] (cancel) on the upper left of the screen to show the home screen when it is not displayed.

2 Tap [Connection time].

The current setting of connection time is indicated.



3 Choose connection time.



- You can set connection time from 4 to 12 hours in 2-hour increments.

4 Tap [OK].



Using functions of the dedicated app (continued)

Checking and correcting the reference position (Reference position adjustment assistant)

You can check and adjust the reference position of the watch using the app. Execute operation following instructions on the app and watching the status of the watch.

- You can check and adjust the reference position without assistance of the app (page 11).

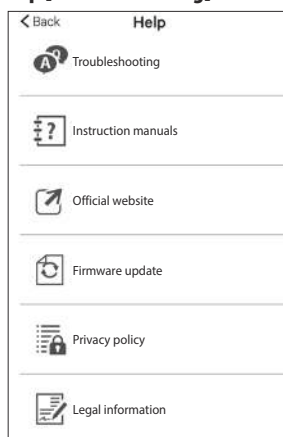
1 Connect the watch and the smartphone.

2 Tap the [Help] (help) icon on the home screen.

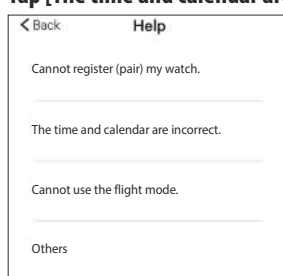
The screen switch to the [Help] screen.

- Tap [Back] (back) or [Cancel] (cancel) on the upper left of the screen to show the home screen when it is not displayed.

3 Tap [Troubleshooting].



4 Tap [The time and calendar are incorrect.].



Proceed operation hereafter following instructions on the screen of the app.

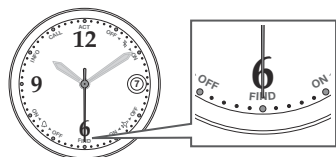
Searching the smartphone using the watch (smartphone search)

You can make the smartphone emit sound to find it using the watch when the phone is paired with the watch and is within connectable range.

- The setting of the function must be activated on the dedicated app previously.
- This function is available even when the phone is not connected.

1 Pull the crown out to position 2.

The second hand points "FIND" (30-second position) and the smartphone starts emitting sound.



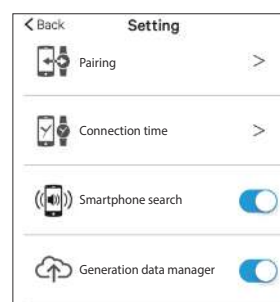
- The sound does not stop until it is stopped on the smartphone. Proceed to step 3 to cancel the operation.

2 Stop the sound following instructions on the screen of the smartphone.

3 Push the crown in to position 0.

Checking the smartphone search setting

Turn on [Smartphone search] on the [Setting] (setting) screen on the dedicated app.



Using alarm

You can activate/deactivate alarm on the watch.

- Use the dedicated app to adjust alarm time and alarm sound. You cannot set them on the watch.
- Alarm does not sound when the position of the crown is not 0.

The Alarm settings on the dedicated app must previously be turned on to turn on/off the alarm through operation on the watch.

- The alarm settings deactivated on the dedicated app cannot be activated from the watch. Take care.

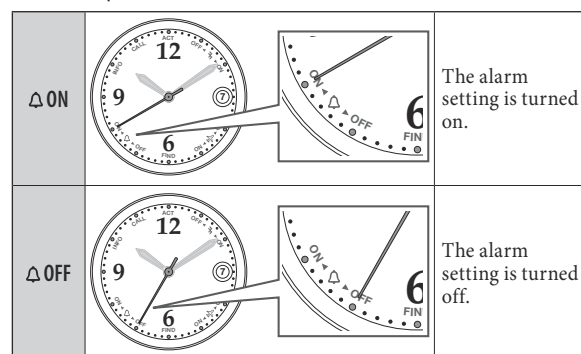


1 Pull the crown out to position 1.

The second hand indicates the alarm setting (Δ ON/OFF).

2 Press the button to switch on/off of the alarm setting.

- Each time you press the button, on/off of the setting changes alternately.



3 Push the crown in to position 0 to finish the procedure.

The watch returns to normal indication.

When the time set comes

When the time on the watch comes to that set for alarm while the alarm setting is turned on, the second hand stops and alarm emits sounds.

The second hand returns to normal movement as the alarm stops.

To stop alarm

Press the button.

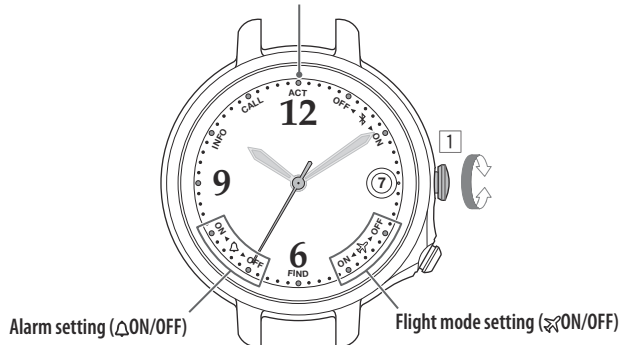
Turning the watch into the flight mode

You can deactivate the function to connect with a smartphone when required such as in a plane or a hospital.



- 1 Pull the crown out to position 1.**
The second hand indicates the alarm setting (△ ON/OFF).
- 2 Rotate the crown to make the second hand point the flight mode setting (✂ ON/OFF).**

ACT (0-second position)



- Each time you rotate the crown, the second hand moves as follows:
Alarm setting (△ ON/OFF) → ACT → flight mode setting (✂ ON/OFF) → (back to the top).

- 3 Press the button to switch on/off of the flight mode setting.**

- Each time you press the button, on/off of the setting changes alternately.

✂ ON		The flight mode setting is turned on and the connection function becomes unavailable.
✂ OFF		The flight mode setting is turned off and the connection function becomes available.

- 4 Push the crown in to position 0 to finish the procedure.**
The watch returns to normal indication.

After turning on the flight mode setting

- Connection to the smartphone is closed and the watch cannot connect with it.
- The second hand points "✂ ON" (25-second position) and returns to normal movement when you try to connect them.
- Automatic time reception also becomes unavailable.

After turning off the flight mode setting

The connection function of the watch becomes available as the flight mode setting is turned off.

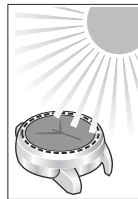
- Execute connection operation when you want to connect it with the smartphone.
- Check the time and calendar of the watch and adjust them if required.

Charging your watch

This watch has a solar cell under the dial and stores the power generated by the cell in its built-in rechargeable cell. The cell is charged by exposing the dial to light such as direct sunlight or fluorescent lamps.

For optimal performance, be sure to:

- Put the watch in a location where the dial is exposed to bright light such as by the window even when it is not used.
- Expose its dial to direct sunlight for 5 or 6 hours at least every week.
- Avoid leaving it in dark places for long periods of time.

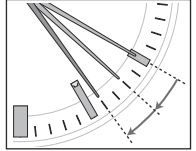


CAUTION

- Do not charge the watch at a high temperature (about 60°C (140°F) or higher) as doing so may cause movement malfunction.
- If the watch is obscured from light by long sleeves frequently, supplemental charging may be needed to ensure continual operation.
- The watch stops charging automatically after finishing (overcharging prevention function). The function prevents damage to performance of the watch and rechargeable cell due to overcharging.

When the watch reaches a low charge state (insufficient charge warning function)

When the power reserve becomes low, the second hand moves once every two seconds. This is the insufficient charge warning function. Be sure to fully charge your watch immediately as outlined above.



- When the watch is sufficiently charged, the second hand will move normally.
- If you do not charge the watch for 3 days or longer after the insufficient charge warning movement has begun, the watch will be depleted of all power and stop.

During the insufficient charge warning state

The time and date are indicated correctly.

Charging time by environment

Below are the approximate charging times when exposing to light continuously. Please use this table as a reference only.

Environment	Outdoors (sunny)	Outdoors (cloudy)	20 cm (7-7/8 inches) away from a fluorescent lamp (30W)	Interior lighting
Illuminance (lx)	100,000	10,000	3,000	500
To work for one day	3 minutes	25 minutes	1.5 hours	7 hours
To start working normally when the cell is discharged	40 minutes	2.5 hours	9 hours	45 hours
To use notification and other functions when the cell is discharged	4.5 hours	40 hours	130 hours	—
To become fully charged when the cell is discharged	7.5 hours	60 hours	—	—

- Exposing to direct sunlight is recommended to charge your watch.

A fluorescent lamp or interior lighting does not have sufficient illumination to charge the rechargeable cell efficiently.

After charged fully, the watch runs without additional charging

Using with a smartphone	Using with no smartphones
About 1 year*	About 2.5 years

* See the table of "Standard use with the smartphone" in "Specifications" for details such as usage conditions of "Using with a smartphone".

Cautions when connected with a smartphone

- Long-time connection with a smartphone, reception of many notification in a day and using alarm consume much amount of power. Be sure to keep your watch sufficiently charged when connecting the watch with your smartphone for a long time.
- We recommend disconnecting your smartphone (page 4) when connection is not needed.
- Take also care that your smartphone is charged enough.

Power save function

The second and minute hands stop automatically at 0:00 to save power when the dial of the watch has not been exposed to light for a long time.

- The watch works normally even while saving power.
- However, automatic time reception is not executed while saving power.
- The power save function is not activated when the position of the crown is not [0].

Canceling the power save function

The power save status ends and the hands return to normal indication as the dial is exposed to light and power generation starts.

- After power saving of a long period of time, check the time and calendar of the watch and adjust them if required.

Adjusting the time and calendar manually



1 Pull the crown out to position [1].

The second hand indicates the alarm setting (Δ ON/OFF).



2 Rotate the crown to make the second hand point "ACT" (0-second position).

- Each time you rotate the crown, the second hand moves as follows:

Alarm setting (Δ ON/OFF) → ACT →

flight mode setting (⌘ ON/OFF) → (back to the top).



3 Press and hold the button for 2 seconds or more.

- Release the button after the second hand swings left and right and points "ACT" (0-second position).

4 Press the button to change the target to correct.

- Each time you press button, the target changes as follows.
Minute → hour/date → year/month → (back to the top)
- The hands and indications slightly move when selected to show they become adjustable.

5 Rotate the crown to adjust the hand/indication.

- Minute/second hands and hour hand/date indication synchronously move respectively.
- Change of date indication shows it just became AM. Take care the time set is AM or PM.
- When you rotate the crown quickly a few times, the hands and date indication will move continuously. To stop the rapid movement, rotate the crown in either direction.
- Refer to "Month and year indications" to set the year and month.

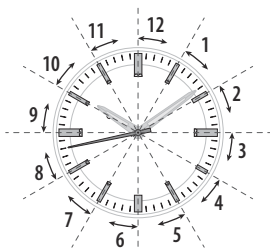
6 Repeat steps 4 and 5.

7 Push the crown in to position [0] in accordance with a reliable time source to finish the procedure.

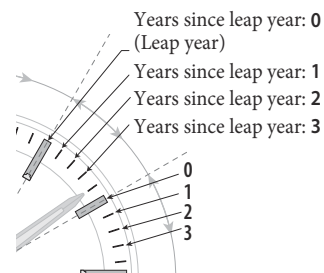
Month and year indications

Set the year and month with the position of the second hand.

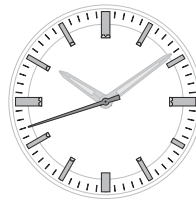
"Month" corresponds to one of the 12 zones shown in the figure below. Each number means month.



"Year" corresponds to the years since leap year and is indicated with markers in the zone of each month.



Actual year					Years since leap year	Second hand position
2016	2020	2024	2028	2032	0 (Leap year)	Hour marker
2017	2021	2025	2029	2033	1	1st min. marker
2018	2022	2026	2030	2034	2	2nd min. marker
2019	2023	2027	2031	2035	3	3rd min. marker



Ex.: Position of the second hand when setting August 2018
You can find that the years since leap year of 2018 is "2" from the table and the second hand must be set to the 2nd minute marker of August zone.

Troubleshooting

Checking and correcting the reference position

If the time or calendar is not shown correctly even after proper reception of the time info, check whether the reference position is correct.

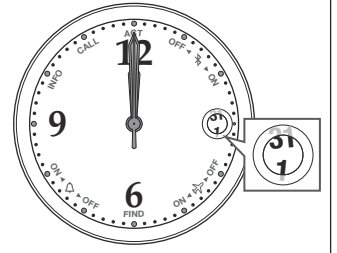
- If the hands and indication do not reflect the correct reference position, the time and calendar will not be indicated accurately even if the time info is received.

What is the reference position?

The base position of all hands and calendar to properly indicate the various functions of this watch.

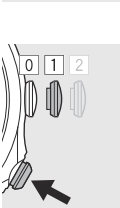
- Hour, minute and second hands: 0 hour 00 minute 0 second
- Date indication: midway between "31" and "1"

Correct reference positions



1 Pull the crown out to position [1].

The second hand indicates the alarm setting (Δ ON/OFF).



2 Rotate the crown to make the second hand point the flight mode setting (⌘ ON/OFF).

- Each time you rotate the crown, the second hand moves as follows:

Alarm setting(Δ ON/OFF) → ACT →

flight mode setting (⌘ ON/OFF) → (back to the top).

3 Press and hold the button for 5 seconds.

The hands and indication start to move to the current reference positions stored in memory.

- Release the button as the second hand start to move.

4 Check the reference positions of them referring to the illustration above.

Correct	Proceed to step 9 without adjusting the reference position.
Wrong	Proceed to step 5 and correct the reference position.



5 Pull the crown out to position [2].

6 Press and release the button repeatedly to change the hand/indication to be corrected.

- Each time you press the button, the target changes as follows.
Hour hand/date indication → minute/second hands → (back to the top)
- The hands slightly move when selected to show they become adjustable.

7 Rotate the crown to adjust the hand/indication.

- Minute/second hands and hour hand/date indication synchronously move respectively.
- When you rotate the crown quickly a few times, the hand/indication will move continuously. To stop the rapid movement, rotate the crown in either direction.



8 Repeat steps 6 and 7.

9 Push the crown in to position [0].

The watch keeps to indicate the reference position.

10 Press the button to finish the procedure.

- The hands and indication returns normal in 2 minutes without pressing the button.

Troubleshooting (continued)

Symptom and remedies

Symptom	Remedies	Page
Connection with the smartphone		
Connection is unsuccessful.	Check the position of the crown of the watch.	—
	Check power reserve.	5
	Check the flight mode setting of the watch.	10
	Cancel the notification indication.	5
	Start the dedicated app.	—
	Check the Bluetooth settings of your smartphone.	—
	Avoid anything that will block out the radio wave or generate noise.	—
	Remove pairing information on the smartphone (Eco-Drive W410) and execute pairing again at [Pairing] on the [Setting] screen on the app.	—
Cannot execute pairing.	Remove pairing information on the smartphone (Eco-Drive W410) and execute pairing again at [Pairing] on the [Setting] screen on the app.	—
	Charge the watch.	10
The icon is colored pale and some screens of the app cannot be opened.	Connect with the smartphone.	—
Not notified within connectable distance	Check the connection status (§ ON/OFF).	4
	Check the power reserve of the watch.	5
	Start the dedicated app.	—
	Check the notification setting of the dedicated app.	8
	Avoid anything that will block out the radio wave or generate noise.	—
Alarm setting cannot be activated on the watch.	Turn the alarm setting on on the app.	7
No notification sound is emitted.	Check the notification sound (alarm sound) setting of the dedicated app.	7
Connection breaks unintentionally.	Check the power reserve of the watch.	5
	Start the dedicated app.	—
	Check the setting of connection time.	8
	Check whether the smartphone exists within the connectable range (a few meters (some 10 feet) or so).	—
	Avoid anything that will block out the radio wave or generate noise.	—

Symptom	Remedies	Page
Connection with the smartphone (continued)		
Time info cannot be obtained automatically.	Check the position of the crown.	—
	Check the power reserve of the watch.	5
	Confirm that the watch is not in power save status.	11
	Start the dedicated app.	—
	Check whether the smartphone exists within the connectable range (a few meter (some 10 feet) or so).	—
	Avoid anything that will block out the radio wave or generate noise.	—
Smartphone search does not work.	Check the smartphone search setting on the dedicated app.	9
	The smartphone does not exist within the connectable range (a few meters (some 10 feet) or so).	—
	Execute pairing with the smartphone.	4
Movement of a hand seems strange		
The hands rotate rapidly soon after you take the watch out of a case or something similar.	The power save function is canceled. Wait until the current time is displayed.	—
The hands move in an unexpected direction.	Wait until the watch returns to normal movement.	—
The second hand does not move.	Cancel the notification indication.	5
	Charge the watch.	10
The second hand moves once every two seconds.	Charge the watch.	10
Connection status is not indicated.	Charge the watch.	10
The alarm setting is not indicated.	Charge the watch.	10
The flight mode setting is not indicated.	Charge the watch.	10
Time/calendar is abnormal.		
The indication of the time and date is incorrect.	Check settings on the [World Time] screen of the dedicated app.	6
	Check time and calendar of the smartphone.	—
	Obtain time info from the smartphone to adjust time and calendar.	—
	Adjust the time and calendar manually.	11
	Check and correct the reference position.	11



Resetting the watch — All Reset

When the watch does not work properly, you can reset all the settings. If the power reserve is insufficient, charge the watch first.

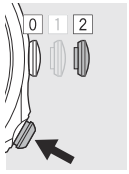
Be sure to perform the following operations after All Reset.

1. Correct the reference positions.

After All Reset, the watch is in the reference position adjustment mode. Refer to step 4 and after on page 11.

2. Adjust the time and calendar.

Adjust the time and calendar manually (page 11) or by connecting with your smartphone.



1 Pull the crown out to position 2.

The alarm sounds and the second hand points 30-second.

2 Press and hold the button for 7 seconds or more.

As you release the button, the alarm sounds and all reset is executed.

The setting values after All Reset	
Time	0:00:00AM
Calendar	January 1 of leap year, Sunday
Alarm setting	△ OFF
Alarm time	0:00 AM
Pairing information	Pairing information is not removed.
Connection status	✂ OFF
Record of power generation amount	Removed

Bluetooth 4.0 wireless technology

Before using this watch

Use of the Bluetooth communication technology is not legally permitted in some countries or regions. Visit our web site below to confirm the list of countries where Bluetooth is legally available.

<http://www.citizenwatch-global.com/support/>

- Using this watch in a country where it is not permitted may be punished under its law.
- Communication using Bluetooth may be monitored intentionally or accidentally. Do not use this watch for important communication or any communication involving human lives.

* The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc.

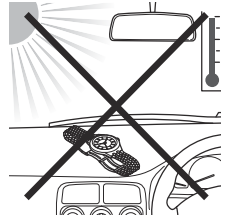
Eco-Drive watch handling precautions

<Always Make Sure to Recharge Frequently>

- For optimal performance, your watch should remain fully charged.
- Long sleeves may inhibit light transmission to your watch. This may result in your watch losing charge. In these cases supplemental charging may be necessary.
- When you take off the watch, place it in a bright location to ensure optimal performance.

CAUTION Recharging Precautions

- Do not charge the watch at a high temperature (about 60°C (140°F) or higher) as doing so may cause the movement to malfunction.
Examples:
- Charging the watch too close to a light source which generates a large amount of heat such as an incandescent lamp or halogen lamp. When charging under an incandescent lamp, be sure to leave 50 cm (20 inches) or more between the lamp and the watch to avoid exposing the watch to excessive heat.
- Charging the watch in a location where the temperature may become extremely high such as on the dashboard of a vehicle.



<Replacement of Rechargeable Cell>

- This watch utilizes a special rechargeable cell that does not require periodical replacement. However power consumption may increase after using the watch for a number of years due to wear of internal components and deterioration of oils. This may cause stored power to be depleted at a faster rate.

WARNING Handling of Rechargeable Cell

- The rechargeable cell should never be removed from the watch. If for any reason it becomes necessary to remove the rechargeable cell from the watch, keep out of the reach of children to prevent accidental swallowing. If the rechargeable cell is accidentally swallowed, consult a doctor immediately.
- Do not dispose of the rechargeable cell with ordinary garbage. Please follow the instructions of your municipality regarding collection of batteries to prevent the risk of fire or environmental contamination.

WARNING Use Only the Specified Battery

- Never use a battery other than the rechargeable cell specified for use in this watch. Although the watch structure is designed so that it will not operate when another type of battery is installed, if a conventional watch battery or other type of battery is installed in the watch and the watch is recharged, there is the risk of overcharging which may cause the battery to rupture. This can cause damage to the watch and injury to the wearer. When replacing the rechargeable cell, always make sure to use the designated rechargeable cell.

Water resistance

WARNING Water resistance

- Refer to the watch dial and/or the case back for the indication of the water resistance of your watch. The following chart provides examples of use for reference to ensure that your watch is used properly. (The unit "1bar" is roughly equal to 1 atmosphere.)
- WATER RESIST(ANT) ××bar may also be indicated as W.R.××bar.
- Non-water resistant models are not designed to come into contact with any moisture. Take care not to expose a watch with this rating to any type of moisture.
- Water resistance for daily use (to 3 atmospheres) means the watch is water resistant for occasional accidental splashing.
- Upgraded water-resistance for daily use (to 5 atmospheres) means that the watch may be worn while swimming, but is not to worn while skin diving.
- Upgraded water-resistance for daily use (to 10/20 atmospheres) means that the watch may be worn while skin diving, but not while scuba or saturated diving using helium gas.

Name	Indication	Specification	Water-related use					
	Dial or Case back		Minor exposure to water (washing face, rain, etc.)	Swimming and general washing work	Skin diving, marine sports	Scuba diving using an air tank	Saturation diving using helium gas	Operate the crown or button when the watch is wet
Non-water resistant	—	Non-water resistant	NO	NO	NO	NO	NO	NO
Everyday-use water resistant watch	WATER RESIST	Water-resistant to 3 atmospheres	OK	NO	NO	NO	NO	NO
Upgraded everyday use water resistant watch	W. R. 5 bar	Water-resistant to 5 atmospheres	OK	OK	NO	NO	NO	NO
	W. R. 10 bar W. R. 20 bar	Water-resistant to 10 and 20 atmospheres	OK	OK	OK	NO	NO	NO



Precautionary items and usage limitations



CAUTION To Avoid Injury

- Be particularly careful when wearing your watch while holding a small child, to avoid injury.
- Be particularly careful when engaged in strenuous exercise or work, to avoid injury to yourself and others.
- Do NOT wear your watch while in a sauna or other location where your watch may become excessively hot, since there is the risk of burns.
- Be careful when putting on and taking off your watch, since there is a risk of damaging your fingernails, depending on the manner in which the band is fastened.
- Take off your watch before going to bed.



CAUTION Precautions

- Always use the watch with the crown pushed in (normal position). If the crown is of the screw lock-type, make sure it is securely locked.
- Do not operate the crown or any push buttons when the watch is wet. Water may enter the watch causing damage to vital components.
- If water enters the watch or the watch fogs up and does not clear up even after a long time, consult your dealer or an authorized service center for inspection and/or repair.
- Even if your watch has a high level of water resistance, please be careful of the following.
 - If your watch is immersed in sea water, rinse thoroughly with fresh water and wipe with a dry cloth.
 - Do not pour water from a tap directly onto your watch.
 - Take off your watch before taking a bath.
- If seawater enters the watch, place the watch in a box or plastic bag and immediately take it in for repair. Otherwise, pressure inside the watch will increase, and parts (crystal, crown, push button, etc.) may come off.



CAUTION When Wearing Your Watch

<Band>

- Leather bands and rubber (urethane) bands will deteriorate over time due to perspiration or dirt. In addition, they are made of natural material and will be worn, deformed and discolored over time. It is recommended to replace the band periodically.
- The durability of a leather band may be affected when wet (fading, peeling of adhesive), owing to the properties of the material. Moreover, wet leather may cause a rash.
- Do not stain a leather band with substances containing volatile materials, bleach, alcohol (including cosmetics). Discoloration and premature aging may be occurred. Ultraviolet light such as direct sunlight may cause discoloration or deformation.
- It is recommended to take off the watch if it gets wet, even if the watch itself is water-resistant.
- Do not wear the band too tightly. Try to leave enough space between the band and your skin to allow adequate ventilation.
- The rubber (urethane) band may be stained by dyes or soil present in or on clothing or other accessories. Since these stains may not be removable, caution is required when wearing your watch with items that tend to easily transfer color (articles of clothing, purses, etc.). In addition, the band may be deteriorated by solvents or moisture in the air. Replace with a new one when it has lost elasticity or become cracked.
- Please request adjustment or repair of the band in the following cases:
 - You notice an abnormality with the band due to corrosion.
 - The pin of the band is protruding.
- We recommend seeking the assistance of an experienced watch technician for sizing of your watch. If adjustment is not done correctly, the bracelet may unexpectedly become detached leading to loss of your watch or injury. Consult an authorized service center.

<Temperature>

- The watch may stop or the function of the watch may be impaired in extremely high or low temperature. Do not use the watch in places where the temperature is outside the operating temperature range as stated in the specifications.

<Magnetism>

- Analog quartz watches are powered by a step motor that uses a magnet. Subjecting the watch to strong magnetism from the outside can cause the motor to operate improperly and prevent the watch from keeping time accurately. Do not allow the watch to come into close proximity to magnetic health devices (magnetic necklaces, magnetic elastic bands, etc.) or the magnets used in the latches of refrigerator doors, clasps used in handbags, the speaker of a cell phone, electromagnetic cooking devices and so on.

<Strong Shock>

- Avoid dropping the watch or subjecting it to other strong impact. It may cause malfunctions and/or performance deterioration as well as damage to the case and bracelet.

<Static Electricity>

- The integrated circuits (IC) used in quartz watches are sensitive to static electricity. Please note the watch may operate erratically or not at all if exposed to intense static electricity.

<Chemicals, Corrosive Gasses and Mercury>

- If paint thinner, benzene or other solvents or products containing these solvents (including gasoline, nail-polish remover, cresol, bathroom cleaners and adhesives, water repellent, etc.) are allowed to come into contact with the watch, they may discolor, dissolve or crack the materials. Be careful when handling these chemicals. Contact with mercury such as that used in thermometers may also cause discoloration of the band and case.

<Protective Stickers>

- Be sure to remove any protective stickers that may be on your watch (case back, band, clasp, etc.). Otherwise, perspiration or moisture may enter the gaps between the protective stickers and the parts, which may result in a skin rash and/or corrosion of the metal parts.



CAUTION Always Keep Your Watch Clean

- Rotate the crown while it is pressed in fully and press the buttons periodically so they do not become stuck due to accumulations of foreign matter.
- The case and band of the watch come into direct contact with the skin. Corrosion of the metal or accumulated foreign matter may result in black residue coming from the bracelet when exposed to moisture or perspiration unnoticed soiling such as that caused by perspiration. Be sure to keep your watch clean at all times.
- Be sure to periodically clean the bracelet and case of your watch to remove accumulated dirt and foreign matter. In rare circumstances, accumulated dirt, foreign matter may cause irritation with the skin. If you notice this, discontinue wearing the watch and consult your physician.
- Be sure to periodically clean foreign matter and accumulated materials from the metal band, synthetic rubber strap (polyurethane) and/or metal case using a soft brush and mild soap. Be careful not to allow moisture on the case if your watch is not water resistant.
- Leather bands may become discolored by perspiration or dirt. Always keep your leather band clean by wiping with a dry cloth.

Caring for Your Watch

- Wipe any dirt or moisture such as perspiration from the case and crystal with a soft cloth.
- For a metallic, plastic or synthetic rubber (polyurethane) band, clean it with soap and a soft toothbrush. Be sure to thoroughly rinse the band after cleaning to remove any soap residue.
- For a leather band, wipe off dirt using a dry cloth.
- If you will not be using your watch for an extended period of time, carefully wipe off any perspiration, dirt or moisture and store in a proper location, avoiding locations subject to excessively high or low temperatures and high humidity.

When Luminous Paint is used for your watch

The paint on the dial and hands helps you with reading the time in a dark place. The luminous paint stores light (daylight or artificial light) and glows in a dark place. It is free from any radioactive substance or any other material harmful to a human body or environment.

- The light emission gradually becomes weaker as time passes.
- The duration of the light ("glow") will vary depending on the brightness, types of and distance from a light source, exposure time, and the amount of the paint.
- The paint may not glow and/or may dissipate quickly if exposure to light was not sufficient.

Specifications

Model	W410	Type	Analog solar-powered watch
Timekeeping accuracy (without reception)	Average monthly accuracy: ±15 seconds when worn at normal operating temperatures between +5°C (41°F) and +35°C (95°F)		
Operating temperature range	-10°C (14°F) to +60°C (140°F)		
Display functions	<ul style="list-style-type: none">• Time: Hours, minutes, seconds• Calendar: Date		
Maximum run time from full charge	After charged fully, the watch runs without additional charging		
	In standard use with a smartphone		About 1 year
	When connecting with the smartphone and automatic time reception and alarm function work once a day		About 2 years
	When not using with the smartphone		About 2.5 years
	When power save functions all the day		About 4 years
	Power reserve upon insufficient charge warning function		
	Approximately 3 days		
Battery	Rechargeable cell (lithium button cell), 1pc.		
Additional functions	<ul style="list-style-type: none">• Solar power function• Overcharging prevention function• Insufficient charge warning function (two-second interval movement)• Energy saving function (power save feature)• Indication functions about smartphone connection• Connection status indication (ON/OFF)• Indication of ongoing communication processing (ACT)• Notification indication (CALL/INFO)• Automatic time information reception function• Flight mode function (ON/OFF)• Alarm on/off function (ON/OFF)• Perpetual calendar (until February 28th, 2100)• Antimagnetic feature• Impact detection function		

The following conditions are supposed in the table above as "Standard use with the smartphone".

Connection frequency	5 days/week
Consecutive connection time	4 hours/day
Automatic time reception	Once/day
Alarm	Once/day
Incoming call notification	Once/day
Notification other than above	4 times/day

Specifications and contents of this booklet are subject to change without prior notice.

