

Thank you for your purchase of this Citizen watch.

Before using the watch, read this instruction manual carefully to ensure correct use.

Caliber No. of this watch is "W770". You can access the web instruction manual of this watch using the QR code on the right or the link <https://www.citizenwatch-global.com/support/html/en/w770r/w770r.html>.



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 by referring to the support page on the web (<https://www.citizenwatch-global.com/support/>).

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 15 and 16) 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 a smartphone 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 a download site of apps for your smartphone. For details, refer to the instruction manual on the web page mentioned above.

■ Personalization function

You can customize up to sixty-two extended functions for the watch on the dedicated app. This watch can show notifications.

This extended function is called "iiidea".

For more information of iiidea, see the web site below:

<https://riiiver.com/>



■ Eco-Drive

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



■ Alarm

Sounds at the time set. You can also set it through the dedicated app.



■ Chronograph

Measures up to 60 minutes by 1 second.



■ Local time

Easy to see the time for a second time zone, anywhere in the world. You can also set it through the dedicated app.



■ 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 13 .

After opening the package, confirm power reserve of the watch referring to page 2 before starting connection to your smartphone.

Operation through the dedicated app

Some functions of this watch can be set through the dedicated app. For details, see page 3.

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 (excluding products containing the band adjustment tool).

Consult an authorized service center. Other shops may charge for, or may not provide, the service.

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.

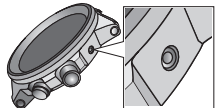
Screw down crown/button

Unlock the crown/button prior to operate your watch.

	Unlock	Lock
Screw down crown	Rotate the crown counterclockwise until it releases from the case.	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.
Screw down push button	Rotate the locking screw counterclockwise, and loosen until it stops.	Rotate the locking screw clockwise, and tighten firmly.

Recessed button

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

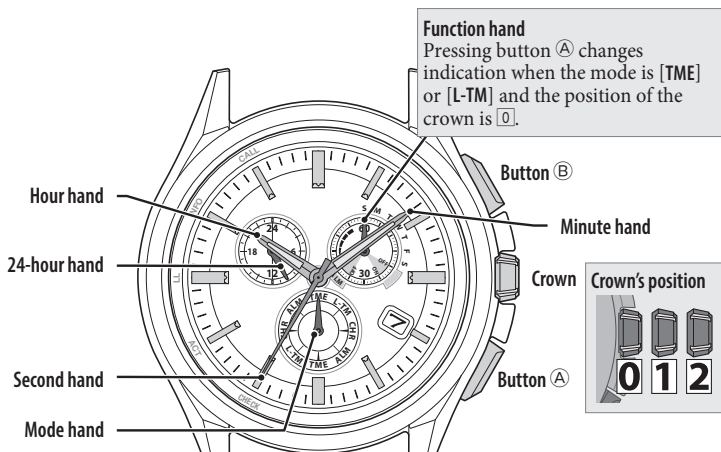


- Metal objects may cause marring or scratching of the button.

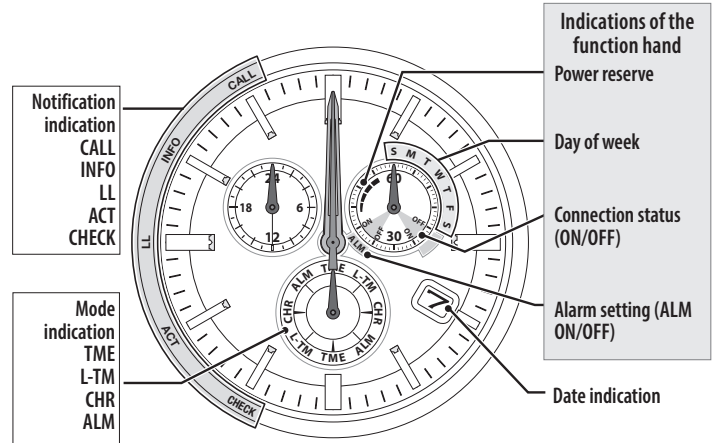
Component identification

- 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.
- No "CHECK" is printed on the dial on some models.

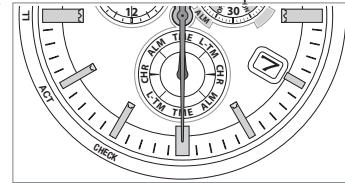
Changing the mode

This watch features four different modes (functions).

TME	Shows ordinary time.
L-TM	Shows time and calendar different from those shown in the [TME] mode.
CHR	Mode for using the chronograph.
ALM	Mode for setting the alarm.

1 Pull the crown out to position 1.

The second hand points to 30 seconds and stops.



2 Rotate the crown to change the mode of the watch.

- Turn the crown so that the mode hand will point to a marker of the mode indication securely.

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

- Indication of the watch changes into that of the mode selected.
- It may take a moment to change indication.

Checking the power reserve

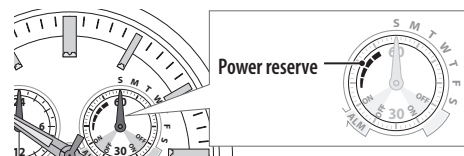
For details of charging, see "Charging your watch" (page 13).

Checking the power reserve

- For details of power reserve indication, see page 3.

1 Change the mode to [TME] or [L-TM] (page 2) and push the crown in to position 0.

2 Press the lower right button (A) repeatedly to make the function hand to indicate power reserve.



Indication of power reserve in levels

Level	3	2	1	0
Power reserve indication				
Duration (approx.)	In standard use with a smartphone			180 days or shorter
	280 - 250 days	250 - 200 days	200 - 180 days	
Meaning	Without connecting to any smartphone			Level where insufficient charge warning starts
	20.5 - 16.5 months	16.5 - 9 months	9 months - 180 days	
	Power reserve is sufficient.	Power reserve is OK.	Power reserve is getting low.	
	OK for normal use		Charge immediately.	

• See the list on page 16 for details of “Standard use with a smartphone”.

CAUTION

- When the power reserve level is “0”, the watch cannot register smartphones, cannot be connected with them and cannot remove registration information.
- Pressing button (A) does not change indication of the function hand when the power reserve level is “0”.
- Connection is disconnected when the power reserve level becomes “0”. However, basic functions of the watch are still available.
- Some basic functions become unavailable as the second hand starts to move once every two seconds (insufficient charge warning function, page 13).

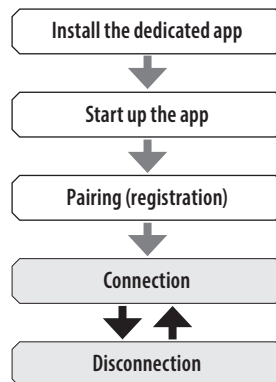
Before connecting with a smartphone

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

You must install the dedicated app “CITIZEN Eco-Drive W770” 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.



Connection

To use the watch connected with a smartphone, the dedicated app must be running on the smartphone.

- On some types of smartphones, you need to change settings to make the app run in the background.

For details, refer to the instruction manual on the web page mentioned below.

Compatible smartphones

For information about compatible smartphones (compatible with Android OS 9.0/ iOS 13.3 or newer) and the dedicated app, refer to the instruction manual on the web page mentioned below.

To users now using the dedicated app “CITIZEN Bluetooth Watch”

To use the new dedicated app, “CITIZEN Eco-Drive W770”, you need to update the firmware of the watch and uninstall the existing dedicated app, “CITIZEN Bluetooth Watch”.

For details, see “Difference between Cal. W770 and Cal. W770 Riiiver” below.

- Instruction manual on the web
<https://www.citizenwatch-global.com/support/html/en/w770r/w770r.html>
- Difference between Cal. W770 and Cal. W770 Riiiver
https://www.citizenwatch-global.com/support/html/en/w770r/intro_w770r.html

Notice

In places with restriction on the use of electronic devices such as in an airplane, disconnect connection with your smartphone (page 5) and change the mode of the watch to [CHR] (page 2).

Functions available when connected with a smartphone

Functions available through the dedicated app

Pairing (registration)	Execute pairing when connecting the watch and your smartphone for the first time.	4
Power generation amount check	The power generation amount of the watch is displayed on the app.	10
Time reception	The watch adjusts time and calendar automatically using time info provided from the smartphone.	3
Settings of iiideas for notification or other purposes	You can execute settings for the iiidea for notification of incoming SNS messages, mails or calls or other ones. You can execute settings for up to 62 iiideas.	7
Local time	You can set times of various area in the world on the watch through the map on the screen of the app.	10
Alarm	You can set alarm times for each day of week, activate/deactivate alarm, and sound-emitting times.	11
Pairing information	It indicates pairing information registered and stored in the watch (for up to three devices).	7
Updating the firmware of the watch	You can update the firmware of the watch by connecting with the dedicated app.	7
Protraction of connection time	You can set connection time of the watch and the smartphone between 6 and 18 hours.	7
Settings	You can adjust settings of various functions including those of the watch.	7
Referring to the help	You can see the tutorial, instruction manual, official website, etc.	7

Functions available with the watch

Power reserve check	Power reserve of the watch are indicated.	2
Pairing (registration)	Execute pairing when connecting the watch and your smartphone for the first time.	4
Changing the device to connect with	You can choose a smartphone to connect with. • This watch can pair with up to three smartphones. • When connecting, switch pairing information to that of the device you want to connect with the watch.	5
Connection/disconnection	You can connect/disconnect the watch and the registered smartphone.	5
Notification indication	The second hand, vibration or sound of the watch tells you notifications from an iiidea which has notification function. • To receive notifications, the watch and your smartphone must be connected and the dedicated app “CITIZEN Eco-Drive W770” must be running.	4
Canceling the notification indication	You can cancel notification indication. • The second hand does not move while indicating notification.	4
Executing iiideas	You can execute an iiidea previously set by operating buttons and/or the crown of the watch while the watch and your smartphone are connected.	9
Smartphone search	You can make the registered smartphone emit sound with the watch to find it in a room.	9
Alarm	You can set alarm times and activate/deactivate the alarm.	12
Chronograph	Measuring up to 60 minutes in 1-second increments.	12
Checking and adjusting the reference position	You can check and correct the reference position of the hands of the watch.	14

About time reception

This watch can receive time information from your smartphone and adjust the time and calendar automatically (automatic time information reception).

Automatic time information reception is executed at the first cancellation of power save status (page 13) every day (after 3:00 AM of the [TME] mode on the watch).

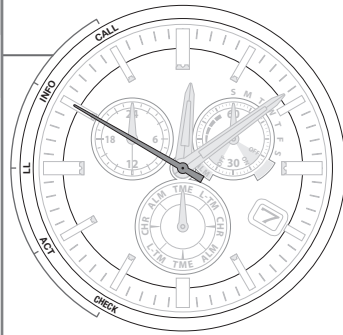
- Even when the watch is disconnected with a connectible smartphone, it is temporarily connected with the phone and get time information.
- Signal reception is not executed while the mode is any other than [TME] and [L-TM].



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 call notification
INFO	50 seconds	Various info notification
LL	45 seconds	Disconnection notification (Link Loss)
ACT	40 seconds	Receiving time info or connecting/executing an iidea through operation of the watch (Activation)
CHECK	35 seconds	Indication of an error of an iidea



- No "CHECK" is printed on the dial on some models.
- The notification indication by the second hand is shown only when the mode of the watch is [TME] or [L-TM] and the position of the crown is [0]. When the watch receives notification in the other statuses than above, notification indication is postponed until its status changes to any one above.
- When the watch receives a new notification while it indicates a notification, the old one is canceled and the new one is indicated.

Notification sound and vibration

Notification sound and vibration can be added to the indication of the second hand by using an iidea for setting notification.

- Notification by sound or vibration comes out even when the second hand cannot indicate notification.

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 showing notification indication does not return to normal movement until the indication is canceled.

- The manually canceled notification cannot be shown again.

1 Press and hold the lower right button (A) or the upper right button (B) 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.

Testing the vibration of notification

The vibration of notification can be checked.

- You cannot test it while the power reserve level is in "0".
- The vibration settings must be executed on an iidea.

1 Change the mode to [ALM] (page 2) and push the crown in to position [0].

2 Press and release the upper right button (B).

The watch starts vibrating.

- Notification vibration is repeated five times.

3 Change the mode to [TME] and push the crown in to position [0] to finish the procedure.

The second hand and function hand return to normal indication.

Pairing (registering) the smartphone

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

Before registration

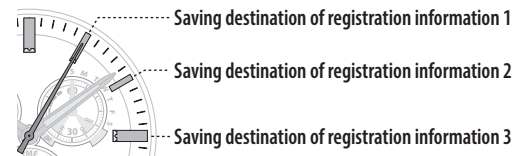
- Unique registration information is saved on the watch and smartphone as registration is executed.
- Up to three registrations can be saved on the watch with choosing saving destination. Saved registration information can be checked on the app.
- When you have two or more registered smartphones, you can switch saved registration information to connect/disconnect with one of them. (page 5)
- New registration information cannot be saved on the saving destination containing one without deleting the existing one (page 9).

Choosing the destination to save registration information

1 Change the mode of the watch to [TME] (page 2) and pull the crown out to position [2].

The second hand points the saving destination of registration information currently chosen and the function hand indicates connection status (ON/OFF).

2 Rotate the crown to choose the destination to save registration information.



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

The second hand and function hand return to normal indication.

Registering the smartphone

- For registration, you have to operate both the watch and the smartphone.
- Be sure that the watch and the smartphone are charged enough. Especially, check the power reserve of the watch (see page 2) and charge it before registration if the power reserve level is "1" or "0".
- It may take 20 - 30 seconds to finish registration. Even when registration failed, the watch returns to normal movement in about 30 seconds.

Operation on the smartphone

1 Download the dedicated app "CITIZEN Eco-Drive W770" at an app site and install it.

2 Start the dedicated app.

- Keep the screen of the app shown.

3 Tap [Pair a watch].

- When the message is not indicated, tap  on the bottom of the screen and tap [Pair a watch].

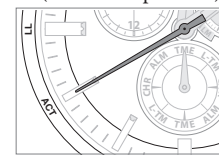
4 Tap [Pair a watch].

Operation of the watch

5 Change the mode to [TME] or [L-TM] (page 2) and push the crown in to position [0].

6 Press and release the upper right button (B).

The second hand points "ACT" (40-second position) and registration starts.



- Agree when a dialog appears on the screen of the app to request your permission to use Bluetooth connection.
- On some models of smartphones, you must allow using of your location information.

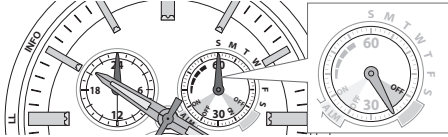


When registration was successfully finished

“Connected” is displayed on the screen of the app.

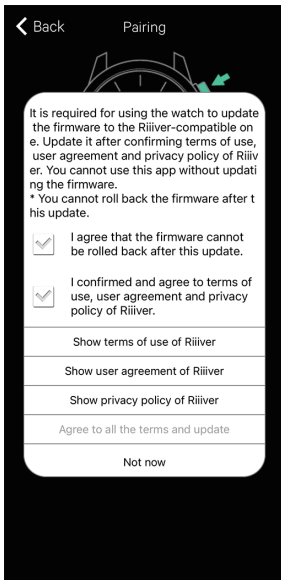


- The watch and the smartphone are connected after registration is finished. In addition, the function hand of the watch points “ON” of connection status and the second hand returns to normal movement.



When introduction for firmware update appears

In some case, the following introduction for firmware update may appear after pairing.



You must execute this firmware update to connect the watch and your smartphone through the dedicated app “CITIZEN Eco-Drive W770”.

- Once you update the firmware of the watch, you cannot roll it back to the previous version.
- The watch with the updated firmware cannot be connected with your smartphone through the dedicated app “CITIZEN Bluetooth Watch”.

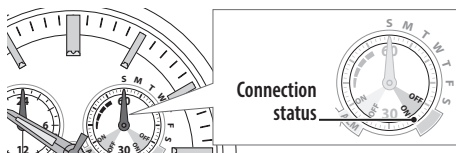
When updating firmware, check all the terms of use and check the check boxes for agreement and tap “Agree with all the terms of use and update”.

- After finishing firmware update, execute pairing again.

Connecting/disconnecting the smartphone

Checking connection status

- Change the mode to [TME] or [L-TM] (page 2) and push the crown in to position 0.
- Press the lower right button (A) repeatedly until the function hand indicates connection status (ON/OFF).



Connection status indication

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

ON	OFF
Connected	Disconnected

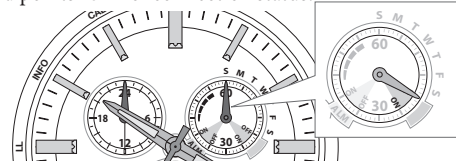
Disconnecting

- Cancel the notification indication of the second hand before disconnecting (page 4).

- Change the mode to [TME] or [L-TM] (page 2) and push the crown in to position 0 while connected.

- Press and hold the upper right button (B) for 4 seconds.

The second hand points “ACT” (40-second position) and, after disconnection, the function hand points “OFF” of connection status.



Connecting

Way to connect the watch to a disconnected smartphone again.

- The watch cannot be connected with a non-registered smartphone. (page 4)
- See “Choosing a smartphone and connecting to it (page 5)” to connect the watch to another registered smartphone.

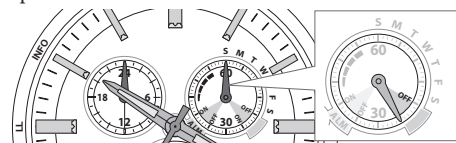
- Change the mode to [TME] or [L-TM] (page 2) and push the crown in to position 0 while disconnected.

- Start the dedicated app.

- The watch can also be connected with the smartphone when the app is running in background.

- Press and release the upper right button (B).

The second hand points “ACT” (40-second position) and, after connection, the function hand points “ON” of connection status.



Choosing a smartphone and connecting to it

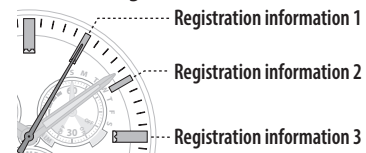
Way to choose registration information of a smartphone from three saving destinations and connect the watch to it.

- The watch cannot be connected with two or more smartphones at the same time.

- Change the mode of the watch to [TME] (page 2) and pull the crown out to position 2.

The second hand points the registration information currently chosen and the function hand indicates connection status (ON/OFF).

- Rotate the crown to choose registration information.

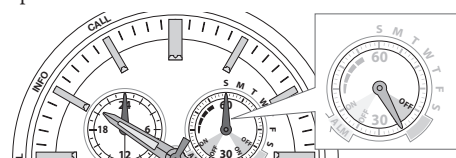


- Push the crown in to position 0 keeping the mode [TME].

- Connection with another smartphone is disconnected.

- Press and release the upper right button (B).

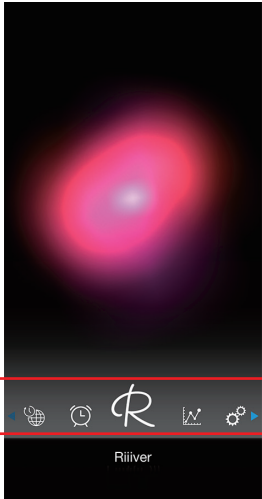
The second hand points “ACT” (40-second position) and, after connection, the function hand points “ON” of connection status.



Screens of the dedicated app

Home screen

It is the screen which appears just after starting up the app.



This graphic pattern on the screen represents power generation amount of the connected watch. The pattern in the figure means that the power generation amount is almost maximum and the watch is ideally being charged.

Function menu. Scroll it sideways and tap an icon to open a screen for a function. Some screens do not open when your smartphone is not connected with the watch.

App's icon	Names of screens for functions	
	Local Time screen	Page 10
	Alarm screen	Page 11
	Riiiver screen	Page 7
	Personalization function screen	Page 8
	iiidea setting screen	Page 8
	Description screen of the iiidea	Page 8
	Light Level screen	Page 10
	Setting screen	Page 7
	Help screen	Page 7

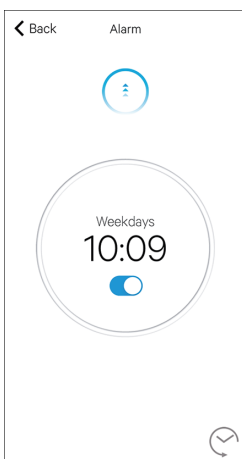
Local Time screen

It is the screen for adjusting settings of the local time function of the watch.



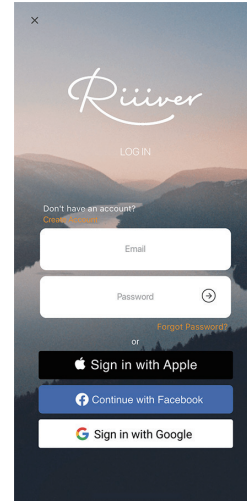
Alarm screen

It is the screen for adjusting settings of the alarm function of the watch.



Riiiver screen

It is the screen for making an account for Riiiver and logging in the service.



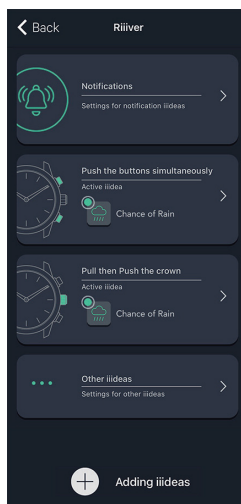
Personalization function screen, iiidea setting screen and description screen of the iiidea

The personalization function screen is displayed after logging in the Riiiver service through the Riiiver screen.

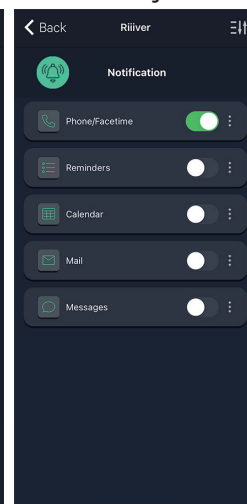
You can set iiideas on the iiidea setting screen.

Tapping in the right of an iiidea name on the iiidea setting screen opens the description screen of the iiidea.

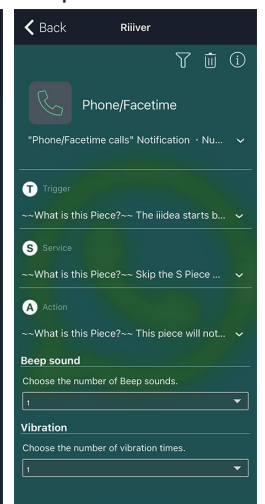
Personalization function screen



iiidea setting screen

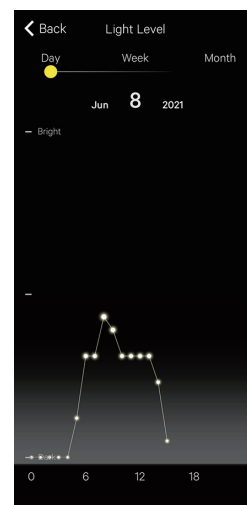


Description screen of the iiidea



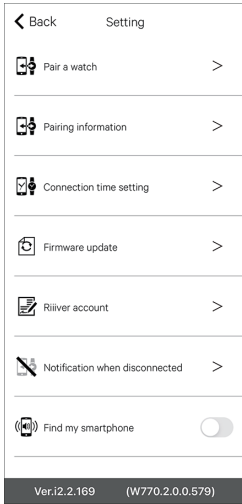
Light Level screen

It is the screen for checking the record of power generation amount of the watch.



Setting screen

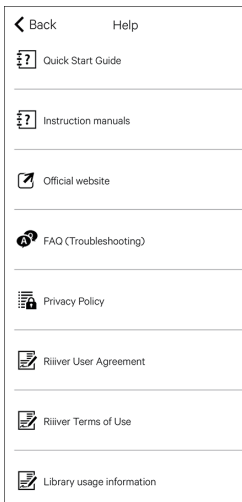
It is the screen for adjusting various settings.



Pair a watch	Use this when executing pairing.
Pairing information	Use this to check smartphones registered on the watch.
Connection time setting	Use this to set time to keep connection between your smartphone and the watch. You can choose 6, 8, 10, 12 and 18 hours.
Firmware update	The icon appears here when firmware update of the watch is available.
Riiiver account	Use this to check your Riiiver account.
Notification when disconnected	Use this to activate/deactivate notification when the watch and your smartphone is disconnected.
Find my smartphone	Use this to activate/deactivate the function that makes your smartphone emitting sound with a certain operation of the watch.
Version of this app	It is indicated on the left bottom of the screen.
Firmware version of the watch	It is indicated on the right bottom of the screen.

Help screen

You can browse various information on the screen.



Using iiidea

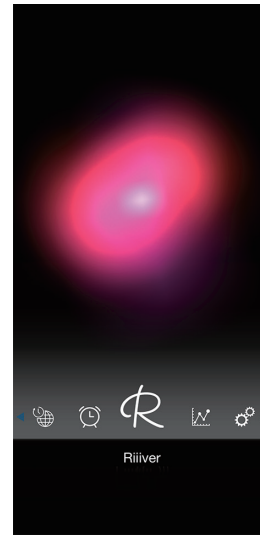
To use an iiidea, you need to set it previously to the dedicated app "CITIZEN Eco-Drive W770" on its Riiiver screen. In addition, you can download iiideas you like from the iiidea Store.

- To use an iiidea, the watch and your smartphone must be connected and the dedicated app "CITIZEN Eco-Drive W770" must be running.
- You need to create an account to use the Riiiver screen and the iiidea Store.
- An e-mail address which can be used for e-mail reception is required for making an account.
- You do not have to execute log in every time.

Making a Riiiver account and logging in

- 1 Start the dedicated app "CITIZEN Eco-Drive W770".
 - You can execute the steps below even when your smartphone is not connected with the watch.

- 2 Tap on the home screen.

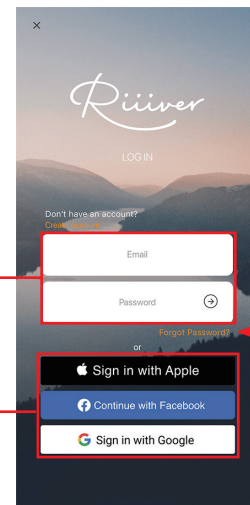


- 3 Tap "Create Account" on the Riiiver LOG IN screen.

Enter login information here when you have already had an account.

Tap here when you forgot your password.

You can use your accounts for some other services to log in.



- 4 Make an account following instruction on the screen.**
 After making an account, you automatically log in the Riiiver service and the personalization function screen appears.

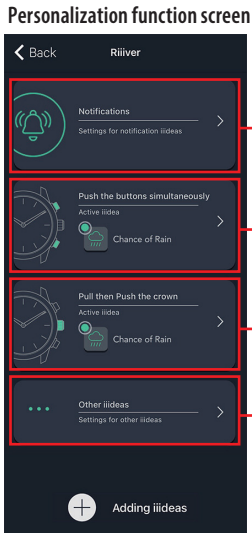


Setting an iidea

Open the personalization function screen on the dedicated app “CITIZEN Eco-Drive W770” before trying the following steps.

- For details, see “Making a Riiiver account and logging in (page 7)”.

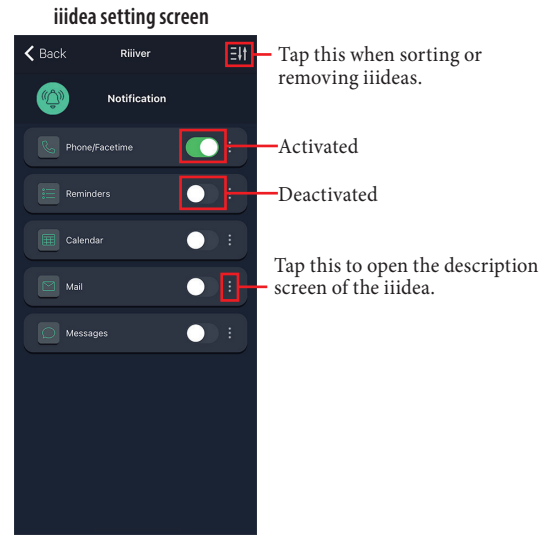
1 Select the type of the iidea you want to set.



- Use this to set an iidea executed with a trigger such as incoming calls.
- Use this to set an iidea executed through pressing the two buttons of the watch at the same time. (page 9)
- Use this to set an iidea executed through operating the crown of the watch. (page 9)
- Use this to set an iidea executed with other triggers.

The iidea setting screen is opened.

2 Tap the switch of the iidea you want to use to activate it.



- You can activate up to 30 iideas for “Notifications” and “Other iideas” each and up to 1 iidea for the actions “Push the buttons simultaneously” and “Pull then Push the crown” each.
- Some iideas are not able to be activated at the same time.
- When you want to add notifications from social media, download corresponding iideas using “Adding iideas”.

Adding an iidea

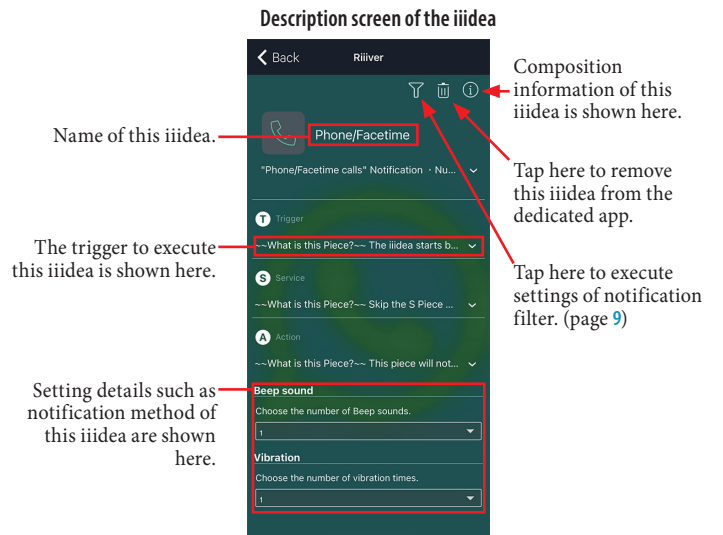
- 1 Tap “Adding iideas” on the personalization function screen.**
The iidea Store is opened.
- 2 Choose an iidea you want to add and tap “Download”.**
- 3 Return to the iidea setting screen and activate the added iidea.**

Using the description screen of an iidea

Open the personalization function screen on the dedicated app “CITIZEN Eco-Drive W770” before trying the following steps.

- For details, see “Making a Riiiver account and logging in (page 7)”.

- 1 Select the type of the iidea you want to set.**
The iidea setting screen is opened.
- 2 Tap [⋮] in the right of an iidea name whose description screen you want to use.**
The description screen of the iidea is opened.



- Composition information of this iidea is shown here.
- Name of this iidea.
- Tap here to remove this iidea from the dedicated app.
- Tap here to execute settings of notification filter. (page 9)
- The trigger to execute this iidea is shown here.
- Setting details such as notification method of this iidea are shown here.

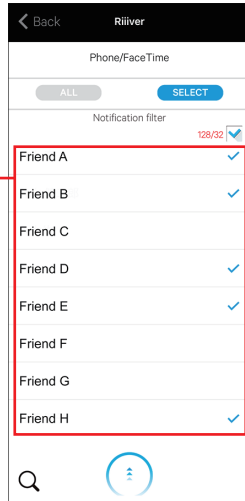


Setting notification details

On iideas equipped with notification function, you can access their notification filtering screen through their description screen.

- It is not displayed for an iidea equipped with no notification filter settings.

Notification is sent to the watch when your smartphone receives an incoming from a checked sender.



Executing an iidea through the watch

Some iideas are executed through operation on the watch.

- The watch and the smartphone must be connected.
- The iidea which you want to execute through the operation on the watch must be set on the dedicated app.
- iideas may be executed through various ways other than through operation on the watch. For details, check the description screen of iideas.

Executing an iidea by operating the buttons of the watch

- You cannot use this way when “Find my smartphone” is activated. Deactivate “Find my smartphone” on the setting screen of the dedicated app (page 7) to use this way.

1 Confirm that the watch and your smartphone is connected and the dedicated app is running.

- If not, start up the dedicated app and press and release the upper right button **ⓑ**.

2 Change the mode to [TME] or [L-TM] (page 2) and push the crown in to position **0**.

- When the second hand stops to indicate notification, press and hold the lower right button **Ⓐ** or the upper right button **ⓑ** of the watch for 1 second or more to cancel the indication.

3 Press and release both the lower right button **Ⓐ** and the upper right button **ⓑ** of the watch simultaneously.

The iidea is executed.

Executing an iidea by operating the crown

1 Confirm that the watch and your smartphone is connected and the dedicated app is running.

- If not, start up the dedicated app and press and release the upper right button **ⓑ**.

2 Change the mode to [TME] or [L-TM] (page 2) and push the crown in to position **0**.

3 Change the position of the crown within 3 seconds as follows: **0** → **2** → **0**.

The iidea is executed.

- Changing the position of the crown as follows also execute the iidea: **0** → **1** → **0**.
- Rotating the crown at position **2** or **1** while pushing and pulling it in and out cancels execution of iidea.
- Notification indication by the second hand is canceled.

Notification setting on the smartphone

To send notifications from the smartphone to the watch using the dedicated app “CITIZEN Eco-Drive W770”, notification of third-party apps must be permitted on the settings of the phone as well as settings of an iidea are modified correctly.

Setting examples on the smartphone are shown below:

- Turning on “Allow Notifications”
- Turning “Show in Notification Center” on
- Changing the notification style to “Banners” or “Alerts”
- Choosing “Not optimized” in “Battery optimization”

Making the smartphone emit sound

You can make the smartphone currently chosen as the connection target emit sound when it exists in connectable range.

- This function is available even when the phone is not connected.
- Cancel the notification indication of the second hand before disconnecting (page 4).
- You cannot use this function when “Find my smartphone” is deactivated. Activate “Find my smartphone” on the setting screen of the dedicated app (page 7).
- Executing an iidea through operation of the buttons of the watch becomes unavailable after activating “Find my smartphone” on the setting screen of the dedicated app (page 7).

1 Change the mode to [TME] or [L-TM] (page 2) and push the crown in to position **0**.

2 Press and release both the lower right button **Ⓐ** and the upper right button **ⓑ** simultaneously.

The smartphone starts emitting sound.

- The sound does not stop until it is stopped on the smartphone.

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

Removing pairing (registration) information

After registration, the watch and the smartphone store registration information of each other.

In cases like the following, removing registration information on the watch and your smartphone may solve such problems that you cannot connect them.

- When registration information is lost either on the watch or the smartphone.
- When you want to save registration information of the smartphone on another saving destination.
- When the app has been updated or downloaded and installed again.
- When you cannot connect the watch and the smartphone again after registration even after doing correct steps.

Removing the registration information on the watch

- Make sure to remove registration information also on your smartphone when you removed registration information on the watch.

1 Change the mode of the watch to [TME] (page 2) and pull the crown out to position **2**.

The second hand points the registration information currently chosen and the function hand indicates connection status (ON/OFF).

2 Rotate the crown to choose registration information to remove.

3 Press and hold the upper right button **ⓑ** for 7 seconds.

The second hand turns fully around and removing is finished.

4 Push the crown in to position **0** to finish the procedure.

The second hand and function hand return to normal indication.

Removing registration information on the smartphone

1 Remove “W770 Riiiver” from the list of registered Bluetooth devices on the smartphone.

For the method to remove, refer to your smartphone.

- When “W770 Riiiver” cannot be seen, it has already been deleted.



Setting functions of the watch on the dedicated app

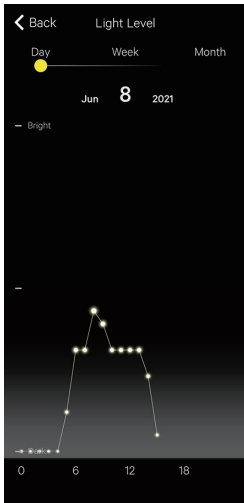
Light Level screen

You can see the record of power generation amount of the watch in a line graph on the Light Level screen.

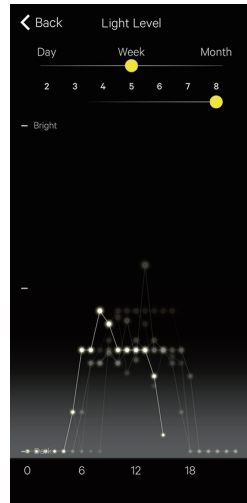
You can change the period indicated on the screen between “Day” (hourly indication in a day), “Week” (hourly indication in a day of week) and “Month” (daily indication of a month) by using the slider on the top of the screen.

- Data of power generation amount are stored in the dedicated app.
- Data storing period of the power generation amount varies depending on storage space your smartphone.
- Past power generation data is removed if you remove the dedicated app.

1 Tap on the home screen of the dedicated app.

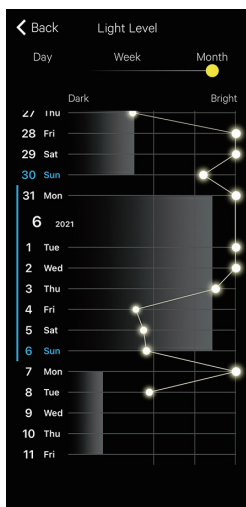


“Day”: a line graph of hourly power generation amount of the current day



“Week”: line graphs of hourly power generation amount of a day of last 7 days

- At the “Week” screen, the slider for selecting the last 7 days also appears.



“Month”: graphs of monthly power generation amount

- When you move the slider on the top of the screen to “Month”, daily power generation amount is indicated in a line graph and weekly amount in horizontal bar graphs.

Local Time screen

You can adjust the setting of local time on the watch.

- Connection with the watch is needed. (page 5)

1 Change the mode of the watch to [L- TM] (page 2) and push the crown in to position 0.

The local time currently set is displayed.

- Press the lower right button  repeatedly to indicate day of week when the function hand does not show it.

2 Tap on the home screen of the dedicated app.

3 Adjust the setting of local time.

The place, time and offset from UTC of the local time currently indicated is displayed here.

Tap here to select time difference from UTC.

Scroll the map sideways and tap an area to set a time zone.

Tap here to select an area using location information of the smartphone.

Tap here to search by place name.

4 Tap the icon on the top of the Local Time screen after finishing adjustment.

The adjusted settings are sent to the watch.

Send icon
Its color turns blue as modification information can be sent to the watch.



Alarm screen

You can adjust the setting of the alarm function of the watch.

- Connection with the watch is needed. (page 5)

1 Change the mode of the watch to [TME] (page 2) and push the crown in to position 0.

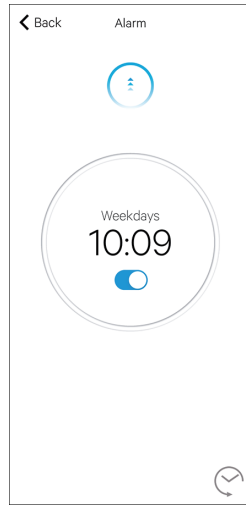
2 Tap  on the home screen of the dedicated app.

The Alarm screen is displayed.

Screen when alarm is not in use

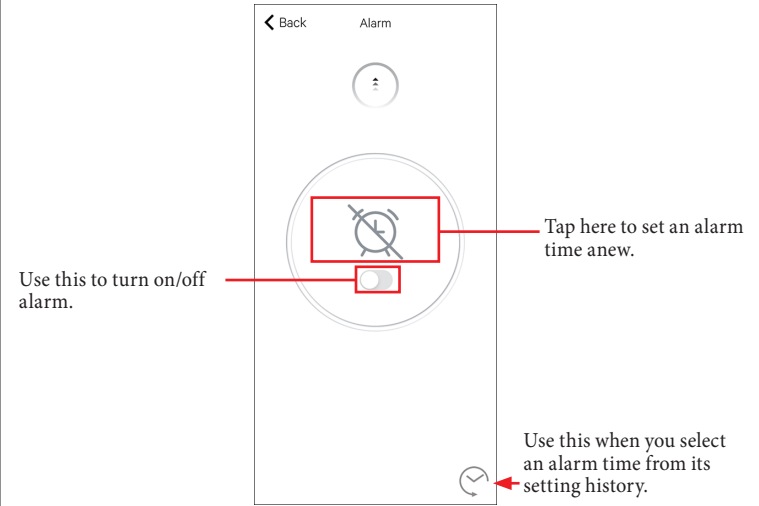


Screen when alarm is in use

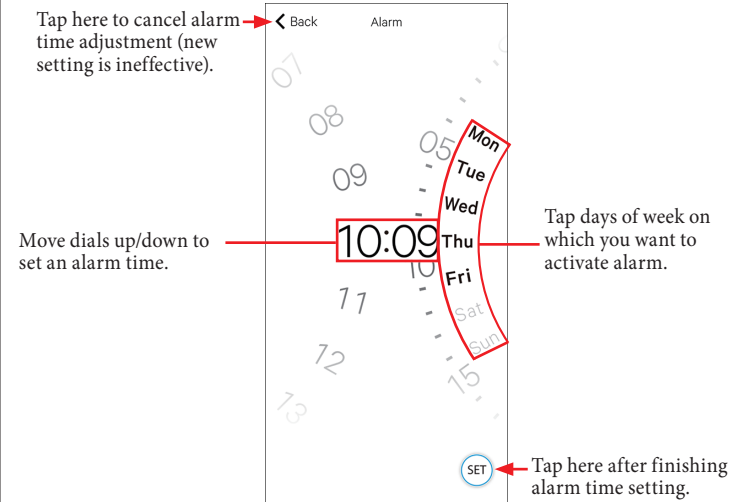


- Tap “Back” on the top left of the screen to return to the startup screen when no menu is indicated on the screen.

3 Change the alarm setting.



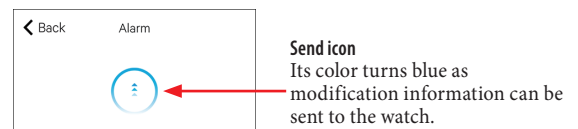
Alarm time setting screen



- The example above shows the setting that the alarm sounds at 10:09 AM from Monday to Friday every week.

4 Tap the icon on the top of the Alarm screen after finishing adjustment.

The adjusted settings are sent to the watch.



Using local time [Local Time]

Another time which is different from that in the [TME] mode (local time) can be shown.

- Local time can be set within a range of ± 27 hours from UTC (Coordinated Universal Time).
- Indication of date and day of week changes corresponding to local time set.

Indicating local time

- Change the mode of the watch to [L- TM] (page 2) and push the crown in to position [0].**

The local time currently set is displayed.

- Press the lower right button (A) repeatedly to indicate day of week when the function hand does not show it.

Adjusting the local time

- You can also adjust it through the dedicated app.

- Change the mode of the watch to [L- TM] (page 2) and pull the crown out to position [2].**

The second hand points 0 second and the local time is displayed.

- Rotate the crown to adjust the local time.**

The minute hand moves by 15 minutes.

- 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. They stop automatically after moving ± 12 hours.

- Push the crown in to position [0] to finish the procedure.**

Using the chronograph

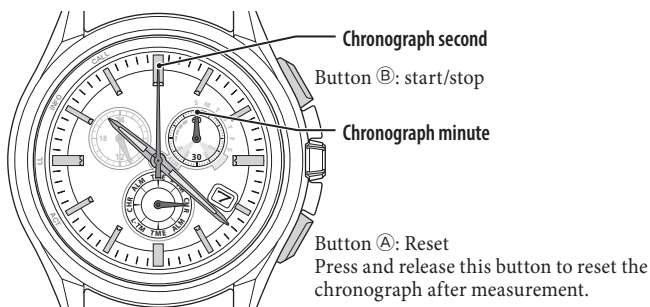
The chronograph on this watch can measure up to 60 minutes by 1 second.

- After 60 minutes of continuous chronograph operation, the chronograph automatically stops and is reset.
- Indication of the function hand cannot be changed in the [CHR] mode.

- Change the mode of the watch to [CHR] (page 2) and push the crown in to position [0].**

The second hand and function hand indicate 00:00. The other hands and indication keep showing time in the [TME] mode.

- Start measurement.**



- Pulling out the crown will stop and reset the chronograph.

- Change the mode to [TME] and push the crown in to position [0] to finish the procedure.**

The second hand and function hand return to normal indication.

Using alarm [Alarm]

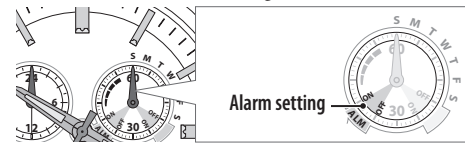
The alarm on this watch is based on the time of the [TME] mode.

- Indication of the function hand cannot be changed in the [ALM] mode.
- You can also set it through the dedicated app.

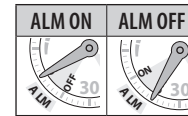
Checking alarm setting

- Change the mode of the watch to [ALM] (page 2) and push the crown in to position [0].**

The hour, minute and 24-hour hands indicate the alarm time currently set and the function hand shows the alarm setting (ALM ON/OFF).



- Each time you press the lower right button (A), ON/OFF of the alarm setting changes alternately.



- Change the mode to [TME] and push the crown in to position [0] to finish the procedure.**

The watch returns to normal indication.

When the time set comes

Alarm sounds for 15 seconds as the time set comes.

- Alarm does not sound when the position of the crown is not [0].

To stop alarm

Press any of the buttons.

Changing alarm setting

- The alarm time is set in 24-hour basis.

- Change the mode of the watch to [ALM] (page 2) and pull the crown out to position [2].**

The alarm time currently set is displayed and the function hand shows the alarm setting (ALM ON/OFF).

- Press and hold lower right button (A) for 2 seconds or more.**

The minute hand slightly moves and the alarm time setting becomes adjustable.

- Rotate the crown to set the alarm time.**

- Check AM/PM referring to the 24-hour hand.

- If you rotate the crown quickly a few times, the hand will move continuously. To stop the rapid movement, rotate the crown in either direction.

- Press and release the lower right button (A) to set the alarm setting (ALM ON/OFF).**

- Each time you press the lower right button (A), ON/OFF switches alternately.

- Change the mode to [TME] and push the crown in to position [0] to finish the procedure.**

The watch returns to normal indication.

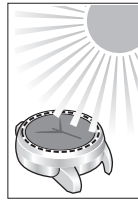
Checking the alarm

Alarm sounds while pressing and holding the upper right button (B) in step 1.



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:

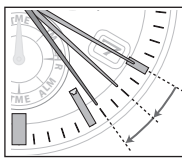
- Put the watch in a location where the dial is exposed to bright light such as by the window even when it is not used.
- Expose its dial to direct sunlight for 5 or 6 hours at least every week.
- Avoid leaving it in dark places for long periods of time.

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 below.



- When the watch is sufficiently charged, the second hand will move normally.
- If you do not charge the watch for 10 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, date and day of week are indicated correctly.

- The indication in the [TME] mode is displayed in the other modes and functions in them are not available.

Charging time by environment

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

Environment	Illuminance (lx)	Charging time (approx.)		
		To work for one day	To start working normally when the cell is discharged	To become fully charged when the cell is discharged
Outdoors (sunny)	100,000	12 minutes	9.5 hours	30 hours
Outdoors (cloudy)	10,000	30 minutes	25 hours	70 hours
20cm (7-7/8 inches) away from a fluorescent lamp (30W)	3,000	1.5 hours	70 hours	-
Interior lighting	500	8 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

In standard use with a smartphone	Using with no smartphones
About 9 months (the connection function is available for about 100 days.)	About 1.5 years

- See the list on page 16 for details of "Standard use with a smartphone".

Cautions when connected with a smartphone

- Long-time connection with a smartphone and reception of many notification in a day consume much amount of power. Be sure to keep your watch sufficiently charged when always connecting the watch with your smartphone.
- We recommend disconnecting your smartphone (page 5) when connection is not needed.
- Take also care that your smartphone is charged enough.

Power save function

The second hand stops automatically to save power when the watch has been kept in a dark place for a certain period of time and it cannot generate power.

- The watch works normally even while saving power.
- The power save function does not operate under the following conditions:
 - The crown is in position ① or ②.
 - The mode is [CHR] or [ALM].
 - The second hand indicates notification.

Canceling the power save function

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

- Power save status is also canceled as receiving time info or notification.

Adjusting the time and calendar manually

You can set the time and calendar of the [TME] mode manually.

- The local time is also corrected automatically following its setting.

1 Change the mode to [TME] (page 2) and pull the crown out to position ②.

The second hand points the registration information currently chosen.

2 Press and hold the lower right button (A) for 2 seconds or more.

The second hand stops at 0 second and the minute hand slightly moves.

3 Press and release the lower right button (A) repeatedly to change the hand/indication to be corrected.

- Each time you press button (A), the target changes as follows:

Hour and minute → date → year/month → day of week → (back to the top)

- The hands and indications slightly move when selected to show they become adjustable.

4 Rotate the crown to adjust the hand/indication.

- The hour, minute and 24-hour hands move synchronously.

- Check AM/PM referring to the 24-hour hand.

- Date indication changes to the next as the function hand rotates 5 times.

- 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.

5 Repeat steps 3 and 4.

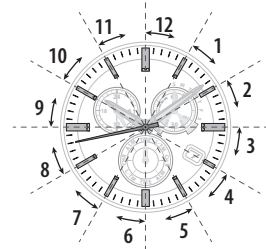
6 Push the crown in to position ① in accordance with a reliable time source to finish the procedure.

Month and year indications

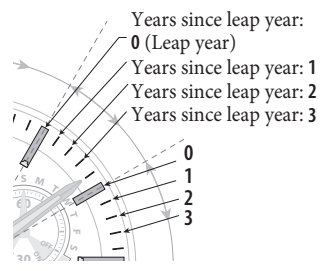
Set the year and month with the position of the second hand.

"Month" corresponds to one of the 12 zones shown in the figure below.

Each number zone means month.



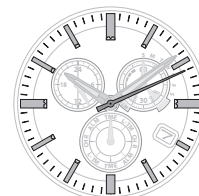
"Year" corresponds to the years since leap year and is indicated with markers in the zone of each month.



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

Ex.: Position of the second hand when setting February 2021

You can find that the years since leap year of 2021 is "1" from the table and the second hand must be set to the 1st minute marker of February zone.



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.

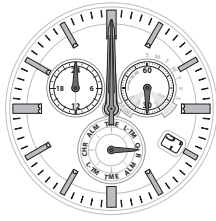
- If the hands and indication do not reflect the correct reference position, the time and calendar will not be indicated accurately even if the time info is received.

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
- 24-hour hand: "24"
- Date indication: midway between "31" and "1"
- Function hand: "30" (straight below)

Correct reference positions



1 Change the mode of the watch to [CHR] (page 2) and pull the crown out to position [2].

The second hand moves to the current reference positions stored in memory and stops.

2 Press and hold the lower right button [A] for 2 seconds.

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

- Release the button as the hands start to move.

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

Correct	Push the crown in to position [0] to finish the procedure. Set the mode to [TME] after that.
Wrong	Proceed to step 4 and correct the reference position.

4 Press and release the lower right button [A].

The function hand slightly moves and the hand and date indication become adjustable.

5 Press and release the lower right button [A] repeatedly to change the hand/indication to be corrected.

- Each time you press the button, the target changes as follows:
Function hand/date indication → hour, minute and 24-hour hands → second hand → (back to the top)
- The hands slightly move when selected to show they become adjustable.
- The function hand points "60" (straight above) when the hour, minute and 24-hour hands are the targets of adjustment.

6 Rotate the crown to adjust the hand/indication.

- The hour, minute and 24-hour hands move synchronously.
- Date indication changes to the next as the function hand rotates 5 times.
- 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.

7 Repeat steps 5 and 6.

8 Push the crown in to position [0].

9 Change the mode to [TME] to finish the procedure.

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 14.

2. Adjust the time and calendar.

Adjust the time and calendar manually (page 13) or by connecting with your smartphone.

1 Change the mode of the watch to [CHR] (page 2) and pull the crown out to position [2].

2 Press and hold buttons [A] and [B] at the same time for 4 seconds or more and release them.

The watch emits alarm sound and vibrates as the buttons are released and the hands move to their current reference position.

The setting values after All Reset	
Calendar	January 1 of leap year, Sunday
Local time	±0 from UTC
Alarm setting	ALM OFF
Alarm time	0:00 AM
Registration information of smartphones	Registration information is kept and registration information 1 is set as connection target.
Connection status	OFF

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.

<https://www.citizenwatch-global.com/support/html/en/w770r/w770r.html>

- 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.



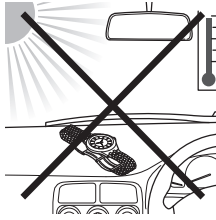
Eco-Drive watch handling precautions

<Always Make Sure to Recharge Frequently>

- 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, try to place it in as bright a location as possible. This will ensure optimal operation.

⚠️ 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.
Ex.:
 - 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 (19-11/16 inch) 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 be 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 Dial or Case back	Specification	Water-related use					
			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. It may cause an unexpected injury or a rash.

⚠️ 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 (use the crown and/or buttons) the watch when it 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 (excluding products containing the band adjustment tool). Consult an authorized service center. Other shops may charge for, or may not provide, the service.

<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>

- Do not use the watch in environment with chemicals or corrosive gasses. 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.
- The case and band of the watch come into direct contact with the skin. In rare circumstances, accumulated dirt, foreign matter may cause irritation with the skin. If you think there is something wrong, discontinue wearing the watch immediately and consult your physician.
In the case of accumulation of sweat or dirt on a metal band or case, clean thoroughly using a brush and neutral detergent. In the case of a leather or rubber (urethane) band, wipe clean using a dry cloth.
- 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 rubber (urethane) watchband, wash any dirt off with water. Remove the small amounts of dirt trapped between the crevices of the metallic band with a soft brush.
- 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	W770	Type	Analog solar-powered watch
Timekeeping accuracy (without reception)	Average monthly accuracy: ± 15 seconds when worn at normal operating temperatures between $+5^{\circ}\text{C}$ (41°F) and $+35^{\circ}\text{C}$ (95°F)		
Operating temperature range	-10°C (14°F) to $+60^{\circ}\text{C}$ (140°F)		
Display functions	<ul style="list-style-type: none"> • Time: Hours, minutes, seconds, 24-hour • Calendar: Date, day of week 		
Duration	<ul style="list-style-type: none"> • After charged fully, the watch runs without additional charging <ul style="list-style-type: none"> - When power save functions for 7.5 hours a day: Approximately 9 months (Standard use with a smartphone) Approximately 1.5 years (using with no smartphones) - When power save functions all the day: About 4 years • Power reserve upon insufficient charge warning function: About 10 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) • Power reserve indication (in four levels) • 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/LL) • Indication of an error of an iiiidea (CHECK) • Personalization function • Automatic time information reception function • Vibration function • Vibration test function • Alarm function (ALM ON/OFF) • Alarm monitor function • Chronograph (up to 60 minutes in one second increments) • Local time • Perpetual calendar (until February 28th, 2100) • Impact detection function 		

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

Connection time	6 hours/day
Notification	10 times/day
<ul style="list-style-type: none"> • Notification sound and vibration Vibration: 0.45 seconds/notification Sound: 0.35 seconds/notification 	
Alarm	Once/day
Reconnection	Once/day
Chronograph	1 hour/day
Power save	7.5 hours/day

Specifications and contents are subject to change without prior notice.

