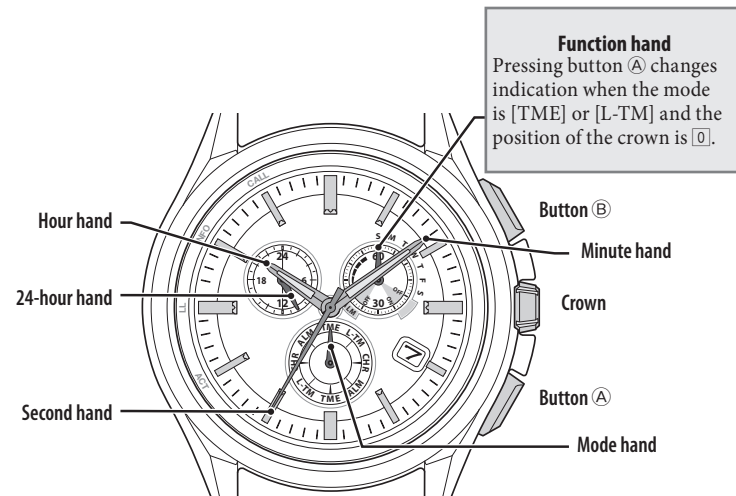


- This watch is solar-powered. Expose the dial to light and use it sufficiently charged.
- To see details of charging time, specifications, and operations, refer to the instruction manual:  W770 instruction manual
- To check the operation movie, click the icon  **Video** on the PDF.

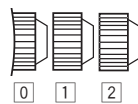
Component identification

Hands and buttons

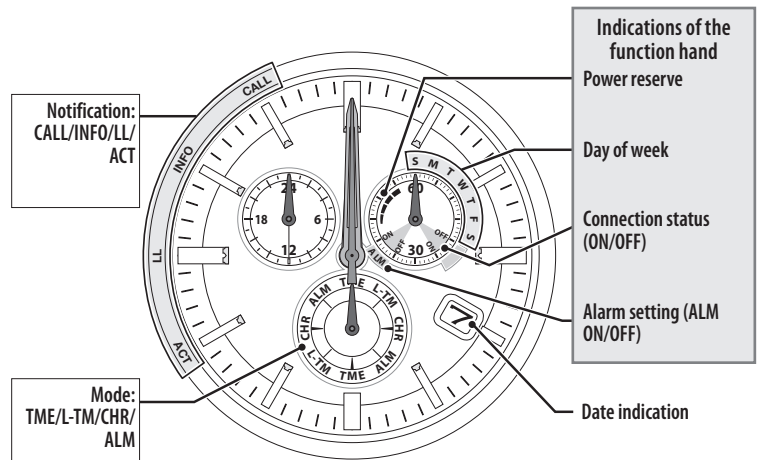


- The illustrations in this instruction manual may differ from the actual appearance of your watch.

Crown's position



Indication



- A solar cell is under the dial.

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 the 30-second and stops.

2. Rotate the crown to change the mode.

- Turn the crown so that the mode hand points to the marker of the desired mode securely.

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

The watch changes indication according to the selected mode.

- It may take a moment for the watch to complete changing indication.

Checking the power reserve

 **Video**

1. Change the mode to [TME] or [L-TM] and push the crown in to position **[0]**.
2. Press and release the lower right button **(A)** repeatedly until the function hand indicates power reserve.

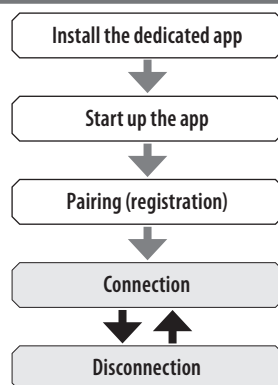
Indication of power reserve in levels

Level	3	2	1	0
Power reserve level scale				
Duration (approx.)	With connecting to a smartphone within 6 hours a day (receiving 10 notifications or so and vibrating once every reception)			180 days -
	280 - 250 days	250 - 200 days	200 - 180 days	
Meaning	Without connecting to a smartphone			Level where insufficient charge warning starts
	20.5 - 16.5 months	16.5 - 9 months	9 months - 180 days	
Meaning	Power reserve is sufficient.	Power reserve is OK.	Power reserve is getting low.	Charge immediately.
	OK for normal use			

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 Bluetooth Watch" 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 trademark 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 (running Android OS 5.1/ iOS 9.3 or later, Optimized for iPhone 5 or greater.) and the dedicated app on the web site below:

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

- This watch can somewhat be operated through the dedicated app and it is equipped with functions available only through the app.

Note

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

Time information 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 cancelation of power save status every day (after 3:00 AM of the [TME] mode on the watch).

- Even when the watch is disconnected with a connectable smartphone, it is temporary connected with the phone and get time information.

Automatic time information reception function does not work in the following cases:

- When the mode of the watch is not [TME] or [L-TM].
- [Time Sync] setting of the dedicated app is off.

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	Position	Meaning
CALL	55 second	Incoming phone calls
INFO	50 second	Various info notification
LL	45 second	Disconnection notification (Link Loss)
ACT	40 second	Receiving time info or connecting (Activation)

- 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 statuses other 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 activated by using [Notification] setting on the app in addition to the indication of the second hand.

- Notification by sound or vibration will occur even when the second hand cannot indicate notification. In addition, notification sound and vibration occurs again with notification indication by the second hand when the hand indication was postponed.

Notification reception area

- Connection range between the watch and the smartphone is up to about 10 m (33 feet). The 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 indicate the seconds until the indication is canceled.

- Once manually canceled, notification indication 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 indicate the seconds.

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

Testing the notification vibration

The notification vibration feature can be checked.

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

1. Change the mode to [ALM] 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.

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 one.
- New registration information cannot be saved on the saving destination containing one without deleting the existing one.

Choosing the destination to save registration information Video

1. Change the mode to [TME] 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.

Registering a smartphone



- For registration, you have to operate both the watch and the smartphone.
- Be sure both the watch and smartphone are sufficiently charged. Especially, it is important to check power reserve of the watch and charge it before registration if the power reserve level is “1” or “0”.
- Registration operation on the watch must be completed within a certain period of time. If about 30 seconds have elapsed before finishing operation, the watch returns to normal movement.

<Operation on the smartphone>

1. Download the dedicated app “CITIZEN Bluetooth Watch” at an app site and install it.
2. Start the dedicated app.
 - Keep the app showing on the smartphone screen.
 - Agree when a dialog appears to request your permission to use Bluetooth connection.

<Operation of the watch>

3. Change the mode to [TME] or [L-TM] and push the crown in to position 0.
4. Press and release the upper right button (B).

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

 - The smartphone will be connected if it has already been registered before.

<On the smartphone>

5. “Connected” appears as registration is successful.
 - It may take about 20 - 30 seconds to finish registration.

The watch and smartphone are connected as registration is successful.

When registration is successful

The function hand of the watch will point “ON” of connection status and the second hand returns to indicate the seconds.

In the cases below, registration is not successful:

- The second hand of the watch points “LL (45-second position)”.
- The second hand of the watch points “ACT (40-second position)” and returns to indicate the seconds and the function hand does not point “ON” of connection status.

Connecting/disconnecting the smartphone

Checking connection status

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

Disconnecting

- Cancel the notification indication of the second hand before disconnecting.
1. While connected, change the mode to [TME] or [L-TM] and push the crown in to position 0.
 2. 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



- You can reconnect the watch to a disconnected smartphone.
- The watch cannot be connected with a non-registered smartphone.

1. While disconnected, change the mode to [TME] or [L-TM] and push the crown in to position 0.
2. 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.

1. Change the mode to [TME] 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.
3. Push the crown in to position 0 keeping the mode [TME].
 - Connection with another smartphone is terminated.
4. 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.

Finding my smartphone

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

- This function is available even when the phone is not connected.
- Cancel the notification indication of the second hand before disconnecting.

1. Change the mode to [TME] or [L-TM] and push the crown in to position 0.
2. Press and release both the lower right button (A) and upper right button (B) simultaneously.

The smartphone will start 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 pairing (registering), the watch and the smartphone store registration information of each other.

You must remove the registration information from both the watch and the smartphone in the following cases:

- 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 reinstalled.
- When you cannot reconnect the watch and smartphone after registration even after following the correct steps.

To remove the registration information on the watch

1. Change the mode to [TME] 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 [B] for about 7 seconds.

The second hand turns fully around and removing is finished.

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

Removing registration information on the smartphone

1. Remove "Eco-Drive W770" from the list of registered Bluetooth devices on the smartphone.

Using local time [Local Time]

An alternate 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

1. Change the mode to [L-TM] and push the crown in to position [0].

The local time currently set is displayed.

- Press and release the lower right button [A] repeatedly until the function hand indicates day of week when it does not show day of week.

Adjusting the local time

1. Change the mode to [L-TM] and pull the crown out to position [2].

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

2. Rotate the crown to adjust the local time.

The minute hand moves in 15 minute increments.

- When you rotate the crown quickly a few times, the hands/indication will move continuously.

To stop the rapid movement, rotate the crown in either direction. They stop automatically after moving ± 12 hours.

3. 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.

1. Change the mode to [CHR] and push the crown in to position [0].

The second hand and function hand indicate 0' 0". The other hands and indication keep showing time in the [TME] mode.

2. Start measurement.

Start/stop: Press button [B].

Reset: Press and release button [A] while the chronograph is stopped.

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

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

Using the 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.

Checking the alarm setting

1. Change the mode to [ALM] 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 button [A], ON/OFF of the setting changes alternately.

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

Indication returns to normal.

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 the alarm sound

Press any button.

Changing alarm setting

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

1. Change the mode to [ALM] 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).

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

The minute hand moves slightly indicating the alarm time may be set.

3. 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 hands will move continuously. To stop the rapid movement, rotate the crown in either direction.

4. Press and release the lower right button [A] to set the alarm setting (ALM ON/OFF).

- Each time you press the button [A], ON/OFF changes alternately.

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

Indication returns to normal.

Checking the alarm

Alarm sounds while pressing and holding button [B] in step 1.



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 when the time is set.

1. Change the mode to [TME] 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.

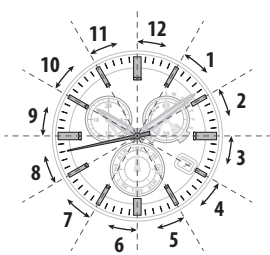
3. Press and release the lower right button (A) repeatedly until the hand/indication to be corrected is selected.

- Each time you press button (A), the target changes as follows.
Hour/minute → date → year/month → day of week → (back to the top)
- The hand or indication slightly moves when selected to show it becomes adjustable.

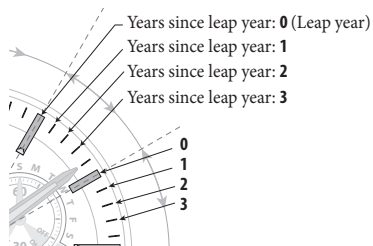
4. Rotate the crown to adjust the hand/indication.

- The hour, minute and 24-hour hands move in conjunction with one another.
- 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.
- Year and month are indicated with 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	0 (Leap year)	Hour marker
2017	2021	2025	2029	1	1st min. marker
2018	2022	2026	2030	2	2nd min. marker
2019	2023	2027	2031	3	3rd min. marker

5. Repeat steps 3 and 4.

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

Checking the reference position

1. Change the mode to [CHR] 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.

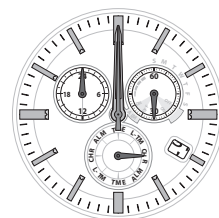
The hands and indication start to move to the current reference positions stored in memory.

- Release the button as the hands start to move.

3. Check the reference positions.

Correct reference positions

- 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 down)



When the current reference position is wrong, proceed to the step 3 in the next procedure to correct the reference position.

4. Push the crown in to position 0.

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

Correcting the reference position

1. Change the mode to [CHR] 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. Press and release the lower right button (A).

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

4. Press and release the lower right button (A) repeatedly until the hand/indication to be corrected is selected.

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

5. Rotate the crown to adjust the hand/indication.

- The hour, minute and 24-hour hands move in conjunction with one another.
- 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.

6. Repeat steps 4 and 5.

7. Push the crown in to position 0.

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

Resetting the watch — All Reset

1. Change the mode to [CHR] 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 an 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	0:00AM
Registration information of smartphones	Registration information is kept and registration information 1 is set as connection target.
Connection status	OFF

After All Reset

After All Reset, adjust the reference position, set the time/calendar and the alarm.

