

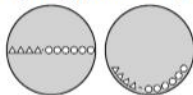
Thank you for your purchase of this Citizen watch.
Before using the watch, read this instruction manual carefully to ensure correct use.
After reading, be sure to store this manual in a safe place should it be needed for future reference.

* The case has different features depending on the model. Details of the case features are not contained in this manual, see “<http://www.citizenwatch.jp/>”.

To check the movement number

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

<Engraving position example>


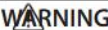



The engraving position may differ depending on watch model.



Safety precautions

This manual contains the following instructions that should be strictly followed at all times to prevent injury to yourself and other persons as well as damage to property.

- Injuries and damage that might be caused by using the watch improperly or neglecting any of the instructions or precautions contained in this manual are classified with the following symbols.

 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 that should be followed are classified with the following symbols.

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

<About protective stickers>

Please be sure to peel off protective stickers before wearing the watch if glass and metal parts of the watch (case, metal band, and metal parts of the clasp) are covered with the stickers. Perspiration or moisture may enter the gaps between the stickers and the parts, which may result in a skin rash and/or corrosion of the metal parts.

<About band adjustment>

Do not attempt to adjust the watchband (including the metal and rubber type) by yourself (except watches with accessory tool for band adjustment). Doing so may result in dropping the watch or injury during the adjustment. Please contact your dealer or Citizen Customer Support Center for adjustment of the band; otherwise, adjustment may not be possible or not be free of charge.

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1. Your Watch

This watch includes a solar cell surrounding its face and is driven by converting solar energy into electric energy.

Other Features

- For the date, the numbered day of the month is indicated using a special hand, and the month and day of the week are indicated in display windows.
- The watch is equipped with a moon phase indicator.

2. Operating the Crown

<About the crown>

Some models use screw down system for the crown. Accidental operations can be prevented when the watch is not being operated by locking the crown. To operate the watch, release the lock.

- If your watch does not have a screw down crown, operations can be performed without locking or unlocking the crown.

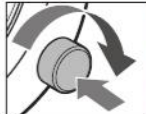
Before operation



Unlock the crown
Rotate the crown to the left

When the screw lock is released, the crown extends to the normal position.

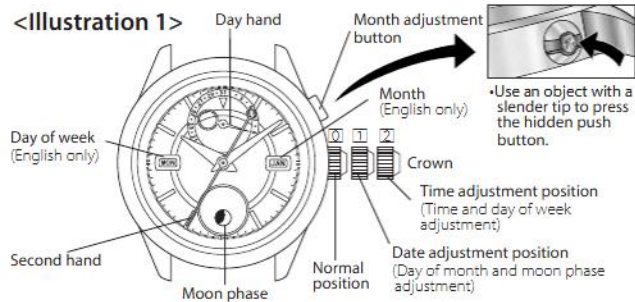
After operation



Lock the crown
Press the crown and rotate it to the right (clockwise) to tighten the screw lock.

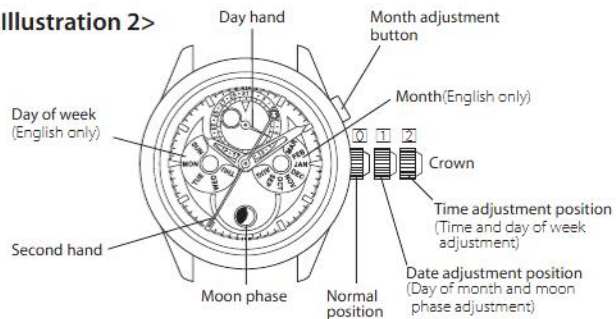
3. Part Names

<Illustration 1>



The illustrations shown in this manual may differ from the actual watch you have purchased. This manual describes the operation procedures for watch models that have a push button at the 2:00 position and a crown at the 3:00 position.

<Illustration 2>



This manual describes the operation procedures for watch models of the illustration 1.

4. Setting the Time and Date

When adjusting both the time and date, it is convenient to make settings in the order of "day of week", "moon phase", "month and day of month", and then "time of day".

Adjusting the day of week

- Crown in position 2
- Turn the crown to the right (The day of week begins changing at the 12:00 position. To change to the next day of week, make the hour hand go around twice.)

Adjusting the moon phase

- Crown in position 1
- Turn the crown to the right

Confirm the day of month to be set.

When the day of month to be set is from the 3rd to the 30th

Adjusting the day of month

- Crown in position 1
- Turn the crown to the left

Adjusting the month

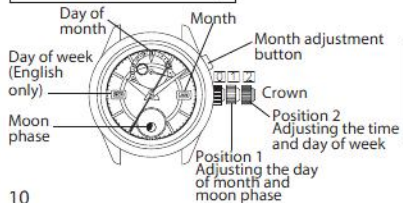
- Press the month adjustment button

Setting the time

- Crown in position 2
- Advance the minute hand and hour hand by turning the crown to the right
Turn the crown to the left to move the hands back



Return the crown to the normal position.



When the day of month to be set is from the 31st to the 2nd

Adjusting the day of month

- Crown in position 1
- Turn the crown to the left

Temporarily set the day of month to "30"

Adjusting the month

- The month changes each time the month adjustment button is pressed

Adjusting the day of month

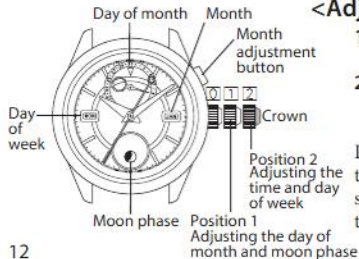
- Crown in position 1
- Turn the crown to the left

Adjust to the day of month for the current day

5. Adjusting the Time and Date

<Adjusting the day of week>

1. Pull out the crown to position 2 (time and day of week adjustment).
2. Turn the crown to the right (clockwise) to set the day of week for the current day.
 - The day of week begins to change starting at about midnight and is finished changing by about 5:00 a.m.



<Adjusting the moon phase>

1. Pull out the crown to position 1 (date adjustment position).
 2. Turn the crown to the right (clockwise) to set the moon phase for the current day.
- Look up the moon phase for today in the newspaper or another source and adjust while referring to "Viewing the moon phase".

<Viewing the moon phase>

The moon phase indicator does not display the exact shape of the moon. Use it as a guide to estimate the moon phase.

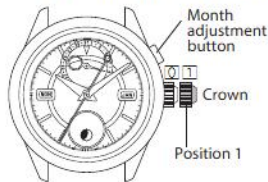
New moon Moon phase: Day 0 (Spring tide)	First quarter moon Moon phase: Approx. day 7 (Neap tide)	Full moon Moon phase: Approx. day 15 (Spring tide)	Last quarter Moon phase: Approx. day 22 (Neap tide)

* The indicator may differ depending on the model

<To Set the Moon Phase Accurately>

The moon phase can be more accurately adjusted by adjusting on the day of the new moon (when the moon indicator is completely hidden on the moon phase, day 0) or full moon (when the moon indicator is straight up on the moon phase, day 15).

<Adjusting the day of month and month>



1. Pull out the crown to position 1 (date adjustment position).
2. Adjust the day of month and the month.
 - The day of month rotates to the right when the crown is turned to the left.
 - Pressing the month adjustment button changes the month.

[When the day of month to be set is from the 3rd to the 30th]

- ① Turn the crown to the left to set the day hand to the current day of the month.
- ② Press the month adjustment button to set the month to the current month.

[When the day of month to be set is the 31st]

- ① First, temporarily set the day of month to the 30th.
- ② Press the month adjustment button to set the month to the current month.
- ③ Turn the crown to the left to set the day to the 31st for the correct day of month.

[When the day of month to be set is the 1st or 2nd]

- ① First, temporarily set the day of month to the 30th.
- ② Press the month adjustment button to temporarily set the month to one month before the current month.

Example: Set to December when making settings for January.

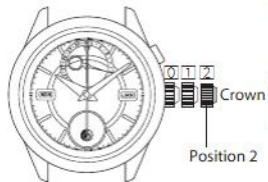
Set to February when making settings for March.

- ③ Turn the crown to the left to set the day to the 1st or the 2nd for the correct day of month.
The month changes to the current month at the same time the day of month changes from the 31st to the 1st.

3. Return the crown to the normal position.

- Due to the construction of the mechanism, temporary adjustment is required in order to set the correct date.

<Setting the Time>



1. When the second hand reaches the 12:00 position, pull out the crown to position 2 (time adjustment position).
2. Turn the crown to the right (clockwise) to adjust the time.
Adjust the time while paying attention to a.m./p.m. by noting the time at which the date changes.
3. Set the time to the time signal time, etc. and return the crown to the normal position.

[Hints for accurate adjustment]

The time can be more accurately adjusted by first stopping the second hand at the 12:00 position, advancing 4 to 5 minutes past the time that the hour and minute hand are to be set to, and then set the current time by backing the hands into position by rotating the hands counterclockwise.

[NOTE]

- ① If you adjust the day of month when a time between 9:00 p.m. and 12:00 midnight is being displayed, the day of month sometimes does not change to the next day even if the actual date changes. Avoid changing the day of month during this time period.
- ② The day of month indicated by this watch follows a 31-day cycle. To advance to the 1st of the next month after a short month (a month having 30 days or February), pull out the crown to position 1 and turn it to the left.
- ③ Avoid adjusting the month when the day hand indicates a day from the 31st to the 2nd.
To make adjustment during this period, first set the day of month outside the range of the 31st to the 2nd, and then adjust the month. Then, set the day of month that the day hand should point to.

6. Characteristics of the Solar Powered Watch

When the watch is insufficiently charged, the indication will be changed as follows:

[Normal indication]

The second hand moves at
1-second intervals



The watch has been insufficiently charged because
the watch face has not received sufficient light

[Insufficient charge warning]

The second hand moves at
2-second intervals



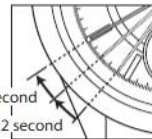
As rechargeable cell
capacity diminishes
without charging

[Stopped status]

The watch stops



As the battery recharges



The second hand starts moving at 2-second intervals.

The display time will be incorrect because the watch has stopped
due to insufficient charge. Adjust to the correct time.

The watch must be subjected to enough light for a sufficient charge until
the watch hands begin moving.

<Insufficient Charge Warning Function>

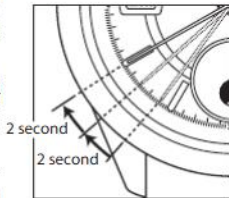
When the watch is insufficiently charged, the second hand begins moving at 2-second intervals to notify you that the watch charge is insufficient.

Although the watch keeps accurate time during this period, the watch will stop completely if operation with an insufficient charge continues for approximately three or more days.

Restore the 1-second interval movement of the second hand by subjecting the watch to light so that it recharges.

To use the watch with complete peace of mind, be sure to fully recharge the battery even after the second hand returns to the 1-second interval movement.

Although the watch can be started again by subjecting it to light after it stops due to insufficient charge, the time given will no longer be correct, so be sure to fully charge the battery and adjust to the correct time.



<Overcharging Prevention Function>

No matter how much the watch is charged, it will not affect the rechargeable cell, timekeeping, functions or performance of the watch.

When the rechargeable cell becomes fully charged by exposing the watch face to light, the overcharging prevention function is automatically activated to prevent the battery from being charged further.

<Quick Start>

The watch stops if there is absolutely no charge. Subject the watch to light and the hands will start moving in about 10 seconds. (The time required for the hands to begin moving varies depending on the model and brightness of the light.) Note, however, that the watch will stop again if the light is blocked at this time because the charge may still be insufficient.

<Guide to Charging Time>

* Below are the approximate times required for charging when exposing the watch dial to light continuously.

Please use this table as a reference only.

Environment	Illuminance (lx)	Charging Time (approximate)		
		To keep working normally for one day	To start working normally when the rechargeable cell is empty	To charge fully when the rechargeable cell is empty
Direct sunlight (Outdoors)	100,000	6 minutes	3 hours	19 hours
Cloudy (Outdoors)	10,000	30 minutes	14 hours	90 hours
Less than 20 cm from 30 W fluorescent light	3,000	50 minutes	25 hours	150 hours
Indoor	500	4 hours	130 hours	880 hours

For a 1-day movement charging time ... The charging time to run the watch for one day with normal movement.

Time for full charging ... The time for full charging after the watch has stopped due to an insufficient charging. When the watch is fully charged, it will maintain its accuracy for about 6 months.

[NOTE]

Charge the watch every day, as it will take a long time to recharge it, as is indicated in the table, when it stops due to an insufficient charging. Furthermore, it is recommended to charge your watch by exposing to direct sunlight once a month.

7. Solar-Powered Watch Handling Precautions

<Always make sure to recharge frequently>

- Please note that if you wear long sleeves, the watch may stop as a result of being covered by your sleeve and blocked from the light.
- When you take off the watch, try to place it in as bright a location as possible. This will ensure that it will continue to run properly.

<Replacement of Rechargeable Cell>

- Because the watch uses a rechargeable cell, you do not need periodical cell replacement. However, power consumption may increase after using for an extended period of time due to deterioration, and the power may run out earlier than expected. To avoid this, we recommend that you have your watch inspected (Charge basis) periodically.

8. Precautionary Items and Usage Limitations



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 silver 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.

WARNING Water Resistance

- Refer to the watch dial and 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 "1 bar" is roughly equal to 1 atmosphere.)
- WATER RESIST (ANT) $\times\times$ bar may also be indicated as W.R. $\times\times$ bar.
- Non-water resistant watches cannot be used underwater or in environments in contact with water.
- Water-resistance for daily use (to 3 atmospheres) means that the watch may be worn while washing your face or in the rain, but is not to be immersed in water.

Name	Indication	Specifications
	Watch face or case back	
Non-water-resistant watch	—————	Non-water-resistant
Everyday-use water-resistant watch	WATER RESIST (ANT)	Water-resistant to 3 atmospheres
Upgraded everyday-use water-resistant watch	WATER RESIST (ANT) 5 bar	Water-resistant to 5 atmospheres
Upgraded everyday-use water-resistant watch	WATER RESIST (ANT) 10/20 bar	Water-resistant to 10 or 20 atmospheres

- Upgraded water-resistance for daily use (to 5 atmospheres) means that the watch may be worn while swimming, but is not to worn while skin diving.
- Upgraded water-resistance for daily use (to 10/20 atmospheres) means that the watch may be worn while skin diving, but not while scuba or saturated diving using helium gas.

Water-related use				
				
Minor exposure to water (washing face, rain, etc.)	Moderate exposure to water (washing, kitchen work, swimming, etc.)	Skin diving, marine sports	Scuba diving using an air tank	Pulling out the crown when the watch is wet
NO	NO	NO	NO	NO
OK	NO	NO	NO	NO
OK	OK	NO	NO	NO
OK	OK	OK	NO	NO



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.
- Do not go to bed wearing the watch to prevent from unexpected injury or 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 the crown when the watch is wet. Water may penetrate into the watch, causing deterioration of water resistance.
- If water enters the watch or the watch fogs up and does not clear up even after a long time, consult your dealer or Customer Support Center for inspection and/or repair.
- Please note the following even if the watch is highly water-resistant.
 - If the watch is immersed in sea water, rinse with fresh water and wipe completely with a dry cloth.

- Do not splash water from the faucet directly on the watch.
- Do not take a bath wearing the watch.
- 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, buttons, etc.) may come off.



CAUTION When Wearing your Watch

<Band>

- 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.
- Perspiration or accumulated dirt may cause the leather or rubber band to deteriorate. Be sure to replace it regularly.
- 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 ask immediately for the band adjustment and repair in the following cases.

- The band is found to be abnormal due to corrosion of metal, etc.
- The pin comes out of the band.

<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.

<Static Electricity>

- The integrated circuits (IC) used in quartz watches are sensitive to static electricity. Please note that the watch may not indicate the correct time if exposed to intense static electricity.

<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 indicating the correct time. 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.

<Chemicals, Corrosive Gasses and Mercury>

- If paint thinner, benzene or other solvents or products containing these solvents (including gasoline, nailpolish 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.



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 in the same manner as undergarments. Corrosion of the metal or unnoticed soiling such as that caused by perspiration and dirt can soil sleeves and other portions of clothing. Keep your watch clean at all times.

- The case and band of the watch come into direct contact with the skin. Rust, dirt or perspiration present on the watch's body or band may cause itching or a rash on your skin. Such problems may also occur if you have an allergy to certain metals or leather. If you think there is something wrong, discontinue wearing the watch immediately and consult your physician. For the metal band and case, use a brush with neutral detergent to remove dirt and perspiration. For the leather or rubber band, wipe off dirt with a dry cloth.
- Leather bands may become discolored by perspiration or dirt. Always keep your leather band clean by wiping with a dry cloth.



CAUTION Recharging Precautions

- Do not charge the watch at a high temperature (about 60°C or higher) as doing so may cause the movement to malfunction.

Examples:

- Charging the watch too close to a light source which generates a large amount of heat such as an incandescent lamp or halogen lamp.
 - *When charging under an incandescent lamp, be sure to leave 50cm 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.

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 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.
- 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.
- Wipe off dirt from the leather or rubber band with a dry cloth.

About the Watch with Luminous Paint

The paint on the dial and hands helps you with reading the time in a dark place. The luminous paint stores daylight or artificial light (not including incandescent lighting) 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.

9. Warranty and Service

<Free Guarantee>

In the case a malfunction has occurred during the course of normal use while the watch is still under warranty, the watch will be repaired free of charge in accordance with the conditions of the warranty included with this manual.

<Stock Period of Repair Parts>

Our standard period for stocking repair parts for each model is generally seven years. When an exterior part such as the watch case, glass, dial, hand, crown or band is damaged, a spare part with different appearance may sometimes be used.

<Repair Period>

Repairs can be performed on your watch within the repair parts stock period even after the free guarantee has expired. However, you will be charged for these repairs. Please take the watch to the shop where you purchased it and ask whether it can be repaired because the repair period varies according to the conditions of use, environment and so forth. Moreover, there are cases in which it is difficult to restore the watch to its original accuracy when decreased accuracy has resulted from long-term use.

<Change of Address or Receiving as a Gift>

In the event that you have moved or have received your watch as a gift, and are not able to bring your watch to the shop where it was purchased for service, please consult Customer Support Center.

<Periodic Inspection(Charge Basis)>

You should have your watch inspected every 2-3 years to extend its life and ensure safety. (charge basis) When replacing parts, always make sure to request genuine parts. When it becomes necessary to replace packings and springs, it may sometimes also be necessary to inspect other parts or to make repairs in addition to replacing the parts. Please ask for more detailed information on repair or replacement expenses at the shop where you purchased your watch or Customer Support Center.

<Request to customers>

All parts of this watch, except for the band, are to be repaired only at CITIZEN. This is because special technologies and equipment are required to perform repairs, inspections and adjustments. Please make requests for repairs to Customer Support Center when having your watch repaired.

<Other Inquiries>

If you have any questions regarding the way warranty, repairs or other matters, please inquire at the shop where you purchased your watch or Customer Support Center.

10. Specifications

Cal. No. : 8730

Type : Analogue solar powered watch

Time accuracy : Average monthly deviation ± 15 seconds when used in room temperature ($+5^{\circ}\text{C}$ to $+35^{\circ}\text{C}$)

Acceptable temperature range : -10°C to $+60^{\circ}\text{C}$

Display functions : Time: Hour, minute and second

- Date :
- Day of week, month, and day of month display indicated by special hand
 - Moon phase indicator

Additional functions :

- Insufficient charge warning function (2-second interval movement)
- Overcharging prevention function
- Quick start
- Second hand stop function
- Calendar quick-correction function

Operation time : Time from a full charge until the watch stops without charging: About 6 months
Time from insufficient charge warning to watch stopping due to insufficient charging: About 3 days

Battery : Rechargeable cell (lithium button cell), 1pc

*Specifications may change without notice.