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

Safety Precautions (Instruction to be followed at all times)

This manual contains the following the 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, neglecting any of the instructions or precautions contained in this manual are classified with the following symbols.

⚠ **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 symbol.

⚠ Warning (Caution) symbol followed by instructions that should be followed or precautions that should be observed.

■Features

This watch is a solar-powered watch that contains a solar cell in its face that drives the watch by converting light energy into electrical energy.
The amazing time-keeping accuracy of less than ±10 seconds (yearly gain/loss) has been achieved.
The watch is equipped with numerous functions such as a perpetual calendar that automatically changes the date, month, and year until February 28, 2100 including leap years, a time difference correction function that can easily change the time difference without stopping the watch, and a power saving function that reduces current consumption when the solar cell is not exposed to light, etc.

■Before Using

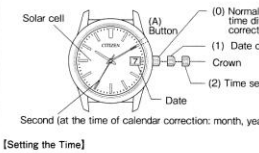
This watch is a solar-powered watch. Make sure to charge the watch prior to use by adequately exposing it to light.
If the watch is at a stop, charge it by exposing to strong light such as sunlight.

A secondary battery is used in this watch to store electrical energy. This secondary battery is a clean energy battery that does not contain mercury or other toxic substances. Once fully charged, the watch circuit will continue to keep time for about 4 years without additional charging (when the power save 2 function is operating).

<Proper Use of this Watch>
To use this watch comfortably, make sure to recharge it before it stops running completely. Since there is no risk of overcharging (Overcharging Prevention Function) no matter how much the watch is charged, it is recommended that the watch be recharged everyday.

■Setting the Time and Date

If the crown is a screw-lock type, loosen the screw before operating the crown.
When operations have been completed, retighten the screw.



[Setting the Time]
1. When the crown is pulled out to the second click (time setting position), the second hand rapidly advances to the 0 seconds position and stops.
(Note1)Align the hands at the reference position after performing the all-reset procedure when the second hand does not stop at the 0 seconds position.
2. Turn the crown and set the time.
①When the crown is turned to the right, the hour and minute hands move forward (clockwise).
②When the crown is turned to the left, the hour and minute hands move backward (counter-clockwise).
・Turning the crown continuously causes the hands to advance rapidly. Turn the crown to either the left or right to stop the hands from advancing rapidly.
(Note 1)When correction is made in the forward direction, if the hour and minute hands point at 12:00 a.m., the date advances one day, and in case of the correction in the backward direction, it returns one day. However, when correction is made by rapid advancing, the hour and minute hands will stand by at 12:00 a.m. while the date is being changed, and will resume rapid advancing after the date has been changed.
(Note 2)When correcting the time to 12:00 a.m., check that the date has changed.
3. Return the crown to the normal position in synchronization with a telephone time signal or other time service.

[Setting the Date]
・This watch is provided with a virtual calendar function. Once it is set, the year, month and date change automatically, including leap years.
1. When the crown is pulled out to the first click (calendar correction position), the second hand moves to the year and month position stored in memory and stops.
2. Turn the crown and set the date.
①Turn the crown to the right to set the second hand to the position corresponding to the year (number of years elapsed since the most recent leap year) and month. Turning the crown continuously causes the second hand to advance rapidly.
(Example)
・In the case of December in a leap year: Align the second hand at 0 seconds.
・In the case of April in a year that is three years after the most recent leap year: Align the second hand at 23 seconds (between 4:00 and 5:00).
②The date is advanced by one day if the crown is turned to the left.
・Turning the crown continuously causes the date to be advanced continuously. Turn the crown to either the left or right to stop the date from advancing continuously. Continuous turning to the right can move the second hand (elapsed month, year).
・As regards the date, you can only make one-way correction (in the direction the date advances).
3. Always make sure to return the crown to the normal position after setting the date. The second hand advances to the current seconds and the hands begin to move.

<When Setting the Date by Continuously Turning the Crown>
The date can be set easily by stopping advancing the date rapidly two to three days before the correct date and then advancing the date one day at a time.

<When the Date has been Set to a Date the does not Exist>
The date automatically changes to the first day of the following month when the crown is returned to the normal position from the date correction state.
(Example)
・Normal years: The date changes to March 1 when it is set to February 29, 30 or 31. The date changes to October 1 when it is set to September 31.
・Leap years: The date changes to March 1 when it is set to February 30 or 31. The date changes to October 1 when it is set to September 31.

<How to Read Month and Year>
"How to read the month"
January: Between 1:00 and 2:00
February: Between 2:00 and 3:00
・
・
・
December: Between 12:00 and 1:00

"How to read the year"
・Leap year: First mark in each month zone
・1 year after most recent leap year: Second mark in each month zone
・2 year after most recent leap year: Third mark in each month zone
・3 year after most recent leap year: Fourth mark in each month zone

<Quick Reference Table for No. of Years Since Most Recent Leap Year>

Year	Years elapsed	Year	Years elapsed
2004	Leap year	2008	Leap year
2005	1st year after leap year	2009	1st year after leap year
2006	2nd year after leap year	2010	2nd year after leap year
2007	3rd year after leap year	2011	3rd year after leap year

[Correcting the Time Difference]
When button(A)is pressed and the crown is turned continuously, time difference can be corrected in 1 hour units. Time difference cannot be corrected continuously.
The time difference can be corrected for 30 seconds after button(A)has been pressed or for 30 seconds after time difference correction (after the hands finish moving).
1.Put the crown in the normal position.
2.When button(A)is pressed, the second hand makes one revolution to indicate that the watch is in the time difference correction state.
3.Correct the time difference by turning the crown to the right or left.
・When the crown is turned continuously to the right, the minute and hour hands are corrected forward (clockwise) by one hour.
・When the crown is turned continuously to the left, the minute and hour hands are corrected backward (counter-clockwise) by one hour.
(Note 1)In correcting the time difference, when the hour and minute hands pass 12:00 AM, the date will be corrected by one day after the hands finish moving. Be sure to set the time without mistaking AM with PM or vice versa.
(Note 2)When returning the time difference to its original setting, return the hour and minute hands in the opposite direction in which they were corrected.

Example: Setting the time difference of London (local time) when the time in Tokyo (home time) is 10:00 AM:
The time difference between Tokyo and London is -9 hours. Since it is 1:00 AM in London when it is 10:00 AM in Tokyo, in the case of correcting the time difference at this time:
1. Press button (A).
2.Turn the crown to the left to turn the hands backward (counter-clockwise) by 9 hours.
(Note 1)If the crown is turned to the right to move the hands clockwise to set the time to 1:00, the time will be 1:00 PM and the calendar function will not operate correctly, preventing the date from changing at the proper time.

Case of Correcting Time Difference by -9 Hours

<Proper Correction Procedure>

<Improper Correction Procedure>

➡Direction of time difference correction
⇨Direction of returning time difference
➡Direction of improper time difference correction

The time difference cannot be corrected when the second hand is moving at two-second intervals indicating that the watch is insufficiently charged. Correct the time difference after charging the watch by exposing it to light so that the second hand returns to one-second interval movement.

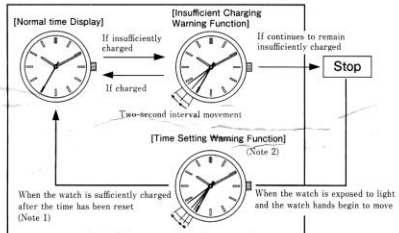
[Time Difference Among Major World Cities Based on UTC (universal time of convention)]

City name	Time difference	Daylight saving time	City name	Time difference	Daylight saving time
London	±0	○	Noumea	+11	×
Paris	+1	○	Auckland	+12	○
Cairo	+2	○	Honolulu	−10	×
Moscow	+3	×	Anchorage	−9	○
Dubay	+4	×	Los Angeles	−8	○
Karachi	+5	×	Denver	−7	○
Dakar	+6	×	Chicago	−6	○
Bangkok	+7	×	New York	−5	○
Hong Kong	+8	×	Caracas	−4	×
Tokyo	+9	×	Rio de Janeiro	−3	○
Sydney	+10	○			

*Cities (regions) in which daylight saving time is used are indicated with a ○, while those in which it is not are indicated with an ×.
*The time difference and use of daylight savings time of each city are subject to change by the particular country.

■Functions Unique to Solar-Powered Watches

When the watch becomes insufficiently charged, the following warning functions are activated to inform the wearer that the watch is insufficiently charged.



If charging is stopped as a result of the solar cell not being exposed to light
When charging resumes as a result of the solar cell being exposed to light

[Power Save Function]

(Note 1) Irregular two-second interval movement will continue if the time is not reset.
(Note 2) Check the date since it also may not be correct.

<Insufficient Charging Warning Function>
The second hand moves at two-second intervals to indicate that the watch is insufficiently charged. The watch stops after about 2 days have elapsed. Expose the watch to light to return the second hand to one-second interval movement.

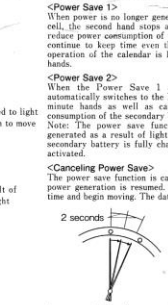
<Time Setting Warning Function>
When the watch is again exposed to light after stopping, although the second hand begins to move, since the time is incorrect, the second hand moves irregularly at two-second intervals to indicate that the time is incorrect. Reset the time after the watch has been sufficiently charged. The second hand will conform to move irregularly at two-second intervals unless the time is reset.

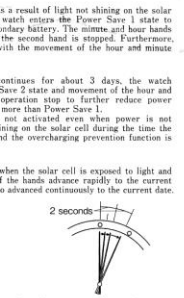
<Overcharging Prevention Function>
The overcharging prevention function is activated when the secondary battery is fully charged so that it is not charged further.

<Power Save 1>
When power is no longer generated as a result of light not shining on the solar cell, the second hand stops and the watch enters the Power Save 1 state to reduce power consumption of the secondary battery. The minute and hour hands continue to keep time even through the second hand is stopped. Furthermore, operation of the calendar is linked with the movement of the hour and minute hands.

<Power Save 2>
When the Power Save 1 state continues for about 3 days, the watch automatically switches to the Power Save 2 state and movement of the hour and minute hands as well as calendar operation stop to further reduce power consumption of the secondary battery more than Power Save 1.
Note: The power save function is not activated even when power is not generated as a result of light not shining on the solar cell during the time the secondary battery is fully charged and the overcharging prevention function is activated.

<Canceling Power Save>
The power save function is canceled when the solar cell is exposed to light and power generation is resumed. Each of the hands advance rapidly to the current time and begin moving. The date is also advanced continuously to the current date.





■Notes Regarding Handling of this Watch

<Try to Keep the Watch Charged at All Times>
・Please note that if you wear long sleeves, the watch can easily become insufficiently charged as a result of it being concealed and unable to be exposed to light.
・When you take the watch off, try to place it in as bright a location as possible to ensure that it always keeps the correct time.

⚠ **CAUTION** Charging Precautions
・Avoid recharging at high temperatures (over about 60℃) since this may result in damage to the watch during recharging.
Examples:
・Charging the watch in close proximity to an incandescent lamp, halogen lamp or other light source that can easily reach high temperature.
・Charging the watch in a location that reaches high temperatures such as on a car dashboard.
・When charging the watch with an incandescent lamp, always make sure the watch is at least 50cm away from the lamp so that is does not reach excessively high temperatures during charging.

<Replacing the Secondary Battery>
The secondary battery used in this watch does not have to be periodically replaced in the manner of ordinary batteries since it is able to be charged and discharged repeatedly.

⚠ **WARNING** Handling of Secondary Battery
・The secondary battery should never be removed from the watch.
・If for any reason it becomes necessary to remove the secondary battery from the watch, keep out of the reach of children to prevent accidental swallowing.
・If the secondary battery is accidentally swallowed, consult a doctor immediately.

⚠ **WARNING** Use Only the Specified Battery
Never use a battery other than the secondary battery 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 secondary battery, always make sure to use the designed secondary battery.

<Operation at Low Temperatures>
If time correction or time difference correction is performed at low temperatures, the date will turn backwards and not change. In addition, the demonstration hand movement during the all-reset procedure will also no be performed.

■General Reference for Charging Times

When time required for recharging varies according to the model of the watch (color of the dial, etc.). The following times are shown below to serve only as a references.
※Recharging time refers to the amount of time the watch is continuously exposed to light

Illuminance (lx)	Environment	Charging Time (approx.) After stopping until one-second movement	For one day's use	For full charge
500	Interior lamp	26 hours	2 hours	532 hours
1,000	60-70cm away from fluorescent desk lamp (30W)	13 hours	63 min.	252 hours
3,000	20cm away from fluorescent desk lamp (30W)	5 hours	21 min.	81 hours
10,000	Outside, cloudy condition	2 hours	7 min.	24 hours
100,000	Outside, sunny condition	45 min.	2 min.	7 hours

Full recharging time: Time required for recharging the watch from the stopped state to fully charged.
Charging time for 1 day of operation: Time required for recharging the watch to run for 1 day at 1 second interval movement.

■All-Reset

The display of this watch may not read correctly as a result of being subjected to the effects of static electricity or strong impact and so forth. When this happens, perform the procedure described in "Reference Position Alignment" after performing the all-reset procedure described below.
1. Pull out the crown to the second click (time setting position).
・The second hand moves to the 0-position stored in memory and stops.
2. Continuously press button (A) for at least 2 seconds.
・The hour hand and minute hands performs a demonstration movement consisting of moving forward then backward and then forward again
・The second hand makes one revolution in the forward direction.
This completes the all-reset procedure. Always make sure to perform the reference position alignment procedure after performing all-reset.
(Note 1) Demonstration movement is not performed when the watch is insufficiently charged. Perform the all-reset procedure only after charging the watch sufficiently.
(Note 2) Do not perform the all-reset procedure while the date is changing. This can cause the date position to shift.

■Reference Position Alignment

After performing the all-reset procedure, align the hour and minute hands at their reference positions by pulling out the crown to the second click, and the second hand and date to their reference positions by pulling out the crown to the first click.

1. Align the hour and minute hands at the 12:00 position with the crown pulled out to the second click.
①Turning the crown to the right moves the hour and minute hands forward.
②Turning the crown to the left moves the hour and minute hands backward.
・Turning the crown to the right continuously causes the hour and minute hands to advance rapidly to the right, while turning the crown continuously to the left causes the hour and minute hands to advance rapidly to the left. Turn the crown to the left or right to stop the hands from advancing rapidly.
2. Align the second hands at the 12:00 position with the crown pulled out to the first click. In addition, align the date at "1".
①Turning the crown to the right causes the second hand to move one second forward.
②Turning the crown to the left causes the date to move one day forward.
・Turning the crown continuously to the left causes the date to advance continuously. Turn the crown to the left or right to stop the date from advancing continuously.
3. Once each hour has been aligned at the 12:00 position and the date has been aligned at "1", return the crown to the 0 position (normal position).
(Note 1)
It takes about 1 second for the watch to store the reference position in memory. Once the reference position has been stored in memory, the second hand will begin irregular two-second interval movement. The reference position may not be stored in memory if the crown is operated before the start of the regular two-second interval movement after returning the crown to the normal position.
(Note 2)
The second hand will continue to remain stopped even if the crown is returned to the normal position unless the reference position alignment procedure is performed.
4. After performing the reference position alignment procedure, properly reset the time and date.
・The watch shows 12:00 AM after reference position alignment has been performed. Set the time and date by referring to "Setting the Time and Date" while paying attention to AM and PM.

■Accuracy of Watch with Yearly Gain/Loss

The time-keeping accuracy will be maintained if the watch is used in the normal temperature (+5℃～+35℃) and when worn on wrist for about 12 hours everyday.
Please understand that a trivial gain or a loss can occur if the watch is used in other environments than those mentioned above.

<Monthly gain/loss>
The monthly gain/loss of the watch does not necessarily come to |10 seconds x 1/12|.
Depending upon the conditions of use (temperature change due to seasons, extent of time worn on wrist, etc.), there can be a case where a monthly gain/loss even comes to ±2 seconds or so.

■Specifications

・**Model:**E51※
・**Type:**Analog solar-powered watch
・**Accuracy:** Average gain/loss yearly±10 seconds (when worn at normal temperatures of +5℃ to +35℃)
・**Operating temperature range:** Watch operating temperature range: −10℃ to+60℃
・**Display Functions:**
Time : Hours, minutes, seconds (the hour and minute hands move every 15 seconds and the second hand moves every second)
Calendar : Date display (with rapid correction function)
Month and years elapsed since leap year displayed by second hand (only displayed when correcting the date)
・**Additional functions:**
・Power save 1 function
・Power save 2 function
・Time difference correction function (forward and backward correction in 1 hour units)
・Insufficient charge warning function
・Time setting warning function
・Overcharging prevention function
・**Continuous running times:**Fully charged to stopped: Appox. 4 years (when power save 2 function is operating)
2-second interval movement to stopped: Approx. 2 days.
・**Battery:** Secondary battery
※Specifications are subject to change without notice.

■Precautionary Items and Usage Limitations

⚠ **WARNING** Water Resistance
・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.
・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.
(The unit "bar" is roughly equal to 1 atmosphere.)

Name	Indication: Watch dial and Case back	Specification
Everyday-use water-resistant watch	WATER RESIST(ANT)	Water-resistant to 3 atmospheres
Upgraded everyday-use water-resistant watch	WATER RESIST(ANT) 5bar	Water-resistant to 5 atmospheres
Upgraded everyday-use water-resistant watch	WATER RESIST(ANT) 10/20bar	Water-resistant to 10 or 20 atmospheres

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.

	Water-related use				
	When water is simply splashed onto the watch (washing your face or in the rain)	Swimming and general washing work(kitchen work/swimming, etc.)	Water sport and skin diving (without air tank)	Scuba diving (with air tank)	Pulling out the crown when the watch is wet
	○	×	×	×	×
	○	○	×	×	×
	○	○	○	×	×

*WATER RESIST(ANT)XX bar may also be indicated as W.R.XX bar.

⚠ **CAUTION**
・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.
・The durability of a leather band may be affected when wet, owing to the properties of the material. In the case of a watch of upgraded water resistance for daily use that is frequently used in water, fading, peeling of adhesive or other problems may occur. It is therefore recommended to use another type of band (metal or rubber watchband).
・If a watch of upgraded water resistance for daily use is immersed in sea water or subjected to excessive perspiration, thoroughly rinse with fresh water and wipe completely dry with a soft cloth.
・If water enters the watch or the watch fogs up and does not clear up even after a long time, consult your dealer or Citizen Consumer help desk, your nearest Customer Support Center for inspection and/or repair.
・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
・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.
・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 able to be removed, caution is required when wearing your watch with articles that tend to easily transfer color (articles of clothing, purses, etc.).

⚠ **CAUTION** Handling the Band (Putting on and Taking off Band)
・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.

⚠ **CAUTION** Always keep your Watch Clean
・Small amounts of dirt may become trapped in the tiny gap between the crown and case, making it difficult to pull out the crown. It is recommended to occasionally turn the crown in its normal position to remove any dirt.
・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.
・Wearing this watch may cause itching or rash if you have sensitive skin or certain physical conditions. If you think there is something wrong, discontinue wearing the watch immediately and consult your physician.
・Possible causes of rashes include:
1. Allergy to certain metals or leather
2. Rush, dirt or perspiration present on the watch's body and band
・Leather bands may become discolored by perspiration or dirt. Always keep your leather band clean by wiping with a dry cloth.
・Do Not wear the band too tightly. Try to leave enough space between the band and your skin to allow adequate ventilation.

<Caring for your Watch>
・Wipe any dirt or moisture such as perspiration from the case and crystal with a soft cloth.
・Remove any dirt from a leather band with a dry 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.
・Do NOT use solvents (such as paint thinner or benzene) for cleaning, since they may mar the surface of the band.

When equipped with Natural Light
・"Natural Light" uses luminous paint that emits no hazardous radiation at all, and is not harmful to human beings or to the environment. It emits light stored during exposure to daylight or artificial light.
However, the brightness of the light will diminish as the watch remains in darkness. In addition, depending on the brightness of the daytime light source and the distance between the watch and the light source, the length of time the watch emits light will vary. Note that if the light stored in the watch is insufficient, the watch may not emit much light or will lose brightness quickly.

<Temperature>
・The function of the watch may be impaired or the watch may even stop if the ambient temperature is outside the range of −10℃ to +60℃.
・If the watch is left for an extended period under temperatures outside the normal range (+5℃ to +35℃), fluid may leak from the battery, resulting in considerable shortening of battery life.

<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.

<Static Electricity>
・The integrated circuits(IC) used in quartz watches are sensitive to static electricity. If exposed to intense static electricity, the watch's display may become incorrect.

<Strong Shock>
・Avoid dropping the watch or subjecting it to other strong impact.

<Chemicals, Corrosive Gasses and Marcury>
・If paint thinner, benzene or other solvents or products containing these solvents (including gasoline, nail-polish remover, cresol, bathroom cleaners and adhesives) are allowed to come into contact with the watch, the may easily 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.

<Storage>
・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.Do NOT leave a depleted battery in the watch for a long time. Be sure to replace it with new one. If battery fluid leaks out, it is likely to damage the watch.

■Warranty and Service

1.**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.
2.**Stock Period of Repair Parts**
Citizen's 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, button, crown or band is damaged, a spare part with different appearance may sometimes be used.
3.**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.
4.**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 serving, please consult Citizen Consumer Help Desk or your nearest Customer Support Center.
5.**Periodic Inspection**
You should have your watch inspected (charge basis) every 2-3 years to extend its life and ensure safety.
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 Citizen Consumer Help Desk, your nearest Customer Support Center.
6.**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 at Citizen Consumer Help Desk, your nearest Customer Support Center.

■Please Direct Inquiries To:

Citizen Consumer help desk 0120-78-4807
Business hours: 9:30-17:30 (Monday thru Friday excluding holidays)
Calls can also be made by cell phone or PHS.

<Customer Support Centers>
SAPPORO SUPPORT SERVICE
Kita 14-Jyo, Nishi 2-6, Kita-ku, Sapporo(〒001-0014) TEL.011-709-1121

SENDAI SUPPORT SERVICE
2F Sendai Jyozenji Bldg., 3-4-33, Kokubun-cho, Aoba-ku, Sendai (〒980-0803) TEL.022-263-3140

TOKYO SUPPORT SERVICE
2F Citizen Nakano Bldg., 5-68-10, Nakano, Nakano-ku, Tokyo (〒164-8726) TEL.03-6327-3894

NAGOYA SUPPORT SERVICE
2F Kamimazu-hayashi Bldg., 1-4-5, Kamimazu, Naka-ku, Nagoya (〒460-0013) TEL.052-350-1755

OSAKA SUPPORT SERVICE
3-8-9, Minami-senba, Chuo-ku, Osaka (〒542-0081) TEL.06-6252-1432

HIROSHIMA SUPPORT SERVICE
4F Sumitsh Hiroshima Bldg., 9-21, Kyobashi-cho, Minami-ku, Hiroshima (〒732-0828) TEL.082-568-9093

FUKUOKA SUPPORT SERVICE
8-18, Kami-kawabata-cho, Hakata-ku, Fukuoka (〒812-0026) TEL.092-281-4310

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

Safety Precautions (Instruction to be followed at all times)

This manual contains the following the 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, neglecting any of the instructions or precautions contained in this manual are classified with the following symbols.

⚠ **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 symbol.

⚠	Warning (Caution) symbol followed by instructions that should be followed or precautions that should be observed.

■Features

This watch is a solar-powered watch that contains a solar cell in its face that drives the watch by converting light energy into electrical energy.
The amazing time-keeping accuracy of less than ±10 seconds (yearly gain/loss) has been achieved.
The watch is equipped with numerous functions such as a perpetual calendar that automatically changes the date, month, and year until February 28, 2100 including leap years, a time difference correction function that can easily change the time difference without stopping the watch, and a power saving function that reduces current consumption when the solar cell is not exposed to light, etc.

■Before Using

This watch is a solar-powered watch. Make sure to charge the watch prior to use by adequately exposing it to light.
If the watch is at a stop, charge it by exposing to strong light such as sunlight.

A secondary battery is used in this watch to store electrical energy. This secondary battery is a clean energy battery that does not contain mercury or other toxic substances. Once fully charged, the watch circuit will continue to keep time for about 4 years without additional charging (when the power save 2 function is operating).

<Proper Use of this Watch>
To use this watch comfortably, make sure to recharge it before it stops running completely. Since there is no risk of overcharging (Overcharging Prevention Function) no matter how much the watch is charged, it is recommended that the watch be recharged everyday.

■Warranty and Service

1.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.

2.Stock Period of Repair Parts
Citizen's 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, button, crown or band is damaged, a spare part with different appearance may sometimes be used.

3.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.

4.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 serving, please consult Citizen Consumer Help Desk or your nearest Customer Support Center.

5.Periodic Inspection
You should have your watch inspected (charge basis) every 2-3 years to extend its life and ensure safety.
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 Citizen Consumer Help Desk, your nearest Customer Support Center.

6.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 at Citizen Consumer Help Desk, your nearest Customer Support Center.

■Please Direct Inquiries To:

Citizen Consumer help desk Free Call 0120-78-4807

Business hours: 9:30-17:30 (Monday thru Friday excluding holidays)
Calls can also be made by cell phone or PHS.

<Customer Support Centers>

SAPPORO SUPPORT SERVICE
Kita 14-Jyo, Nishi 2-6, Kita-ku, Sapporo(〒001-0014) TEL.011-709-1121

SENDAI SUPPORT SERVICE
2F Sendai Jyozenji Bldg., 3-4-33, Kokubun-cho, Aoba-ku,
Sendai (〒980-0803) TEL.022-263-3140

TOKYO SUPPORT SERVICE
2F Citizen Nakano Bldg., 5-68-10, Nakano, Nakano-ku,
Tokyo (〒164-8726) TEL.03-6327-3894

NAGOYA SUPPORT SERVICE
2F Kamimaezu-hayashi Bldg., 1-4-5, Kamimaezu, Naka-ku,
Nagoya (〒460-0013) TEL.052-350-1755

OSAKA SUPPORT SERVICE
3-8-9, Minami-senba, Chuo-ku, Osaka (〒542-0081) TEL.06-6252-1432

HIROSHIMA SUPPORT SERVICE
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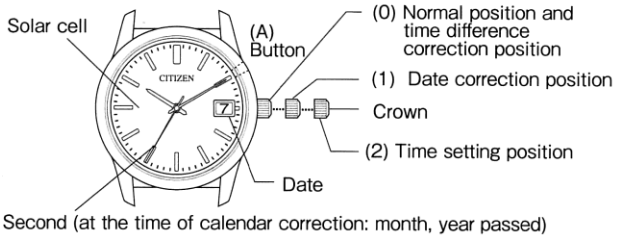
Hiroshima (〒732-0828) TEL.082-568-9093

FUKUOKA SUPPORT SERVICE
8-18, Kami-kawabata-cho, Hakata-ku, Fukuoka (〒812-0026) TEL.092-281-4310

■Setting the Time and Date

If the crown is a screw-lock type, loosen the screw before operating the crown. When operations have been completed, retighten the screw.



【Setting the Time】

1. When the crown is pulled out to the second click (time setting position), the second hand rapidly advances to the 0 seconds position and stops.
   (Note1)Align the hands at the reference position after performing the all-reset procedure when the second hand does not stop at the 0 seconds position.
2. Turn the crown and set the time.
   ①When the crown is turned to the right, the hour and minute hands move forward (clockwise).
   ②When the crown is turned to the left, the hour and minute hands move backward (counter-clockwise).
   ·Turning the crown continuously causes the hands to advance rapidly. Turn the crown to either the left or right to stop the hands from advancing rapidly.
   (Note 1)When correction is made in the forward direction, if the hour and minute hands point at 12:00 a.m., the date advances one day, and in case of the correction in the backward direction, it returns one day. However, when correction is made by rapid advancing, the hour and minute hands will stand by at 12:00 a.m. while the date is being changed, and will resume rapid advancing after the date has been changed.
   (Note 2)When correcting the time to 12:00 a.m., check that the date has changed.
3. Return the crown to the normal position in synchronization with a telephone time signal or other time service.

【Setting the Date】

· This watch is provided with a virtual calendar function. Once it is set, the year, month and date change automatically, including leap years.

1. When the crown is pulled out to the first click (calendar correction position), the second hand moves to the year and month position stored in memory and stops.
2. Turn the crown and set the date.
   ①Turn the crown to the right to set the second hand to the position corresponding to the year (number of years elapsed since the most recent leap year) and month. Turning the crown continuously causes the second hand to advance rapidly.
   (Example)
   ·In the case of December in a leap year: Align the second hand at 0 seconds.
   ·In the case of April in a year that is three years after the most recent leap year: Align the second hand at 23 seconds (between 4:00 and 5:00).
   ②The date is advanced by one day if the crown is turned to the left.
   ·Turning the crown continuously causes the date to be advanced continuously. Turn the crown to either the left or right to stop the date from advancing continuously. Continuous turning to the right can move the second hand (elapsed month, year).
   ·As regards the date, you can only make one-way correction (in the direction the date advances).
3. Always make sure to return the crown to the normal position after setting the date. The second hand advances to the current seconds and the hands begin to move.

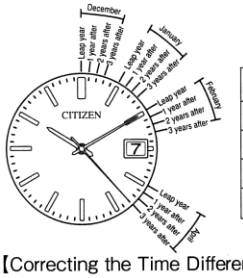
<When Setting the Date by Continuously Turning the Crown>
The date can be set easily by stopping advancing the date rapidly two to three days before the correct date and then advancing the date one day at a time.

<When the Date has been Set to a Date the does not Exist>
The date automatically changes to the first day of the following month when the crown is returned to the normal position from the date correction state.
(Example)
·Normal years: The date changes to March 1 when it is set to February 29, 30 or 31. The date changes to October 1 when it is set to September 31.
·Leap years: The date changes to March 1 when it is set to February 30 or 31. The date changes October 1 when it is set to September 31.

<How to Read Month and Year>

How to read the month
January: Between 1:00 and 2:00
February: Between 2:00 and 3:00
·
·
·
December: Between 12:00 and 1:00

How to read the year
·Leap year: First mark in each month zone
·1 year after most recent leap year: Second mark in each month zone
·2 year after most recent leap year: Third mark in each month zone
·3 year after most recent leap year: Fourth mark in each month zone



<Quick Reference Table for No. of Years Since Most Recent Leap Year>

Year	Years elapsed	Year	Years elapsed
2004	Leap year	2008	Leap year
2005	1st year after leap year	2009	1st year after leap year
2006	2nd year after leap year	2010	2nd year after leap year
2007	3rd year after leap year	2011	3rd year after leap year

【Correcting the Time Difference】

When button(A)is pressed and the crown is turned continuously, time difference can be corrected in 1 hour units. Time difference cannot be corrected continuously.
The time difference can be corrected for 30 seconds after button(A)has been pressed or for 30 seconds after time difference correction (after the hands finish moving).

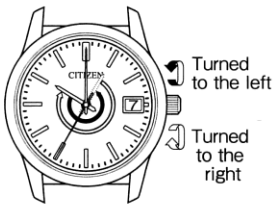
1. Put the crown in the normal position.
2. When button(A)is pressed, the second hand makes one revolution to indicate that the watch is in the time difference correction state.
3. Correct the time difference by turning the crown to the right or left.
   · When the crown is turned continuously to the right, the minute and hour hands are corrected forward (clockwise) by one hour.
   · When the crown is turned continuously to the left, the minute and hour hands are corrected backward (counter-clockwise) by one hour.
   (Note 1)In correcting the time difference, when the hour and minute hands pass 12:00 AM, the date will be corrected by one day after the hands finish moving. Be sure to set the time without mistaking AM with PM or vice versa.
   (Note 2)When returning the time difference to its original setting, return the hour and minute hands in the opposite direction in which they were corrected.

o **Example:**Setting the time difference of London (local time) when the time in Tokyo (home time) is 10:00 AM:
The time difference between Tokyo and London is -9 hours. Since it is 1:00 AM in London when it is 10:00 AM in Tokyo, in the case of correcting the time difference at this time:

1. Press button (A).
2. Turn the crown to the left to turn the hands backward (counter-clockwise) by 9 hours.
   (Note 1)If the crown is turned to the right to move the hands clockwise to set the time to 1:00, the time will be 1:00 PM and the calendar function will not operate correctly, preventing the date from changing at the proper time.

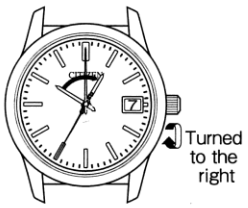
Case of Correcting Time Difference by -9 Hours

<Proper Correction Procedure>



➡:Direction of time difference correction
⇨:Direction of returning time difference

<Improper Correction Procedure>



➡:Direction of improper time difference correction

The time difference cannot be corrected when the second hand is moving at two-second intervals indicating that the watch is insufficiently charged. Correct the time difference after charging the watch by exposing it to light so that the second hand returns to one-second interval movement.

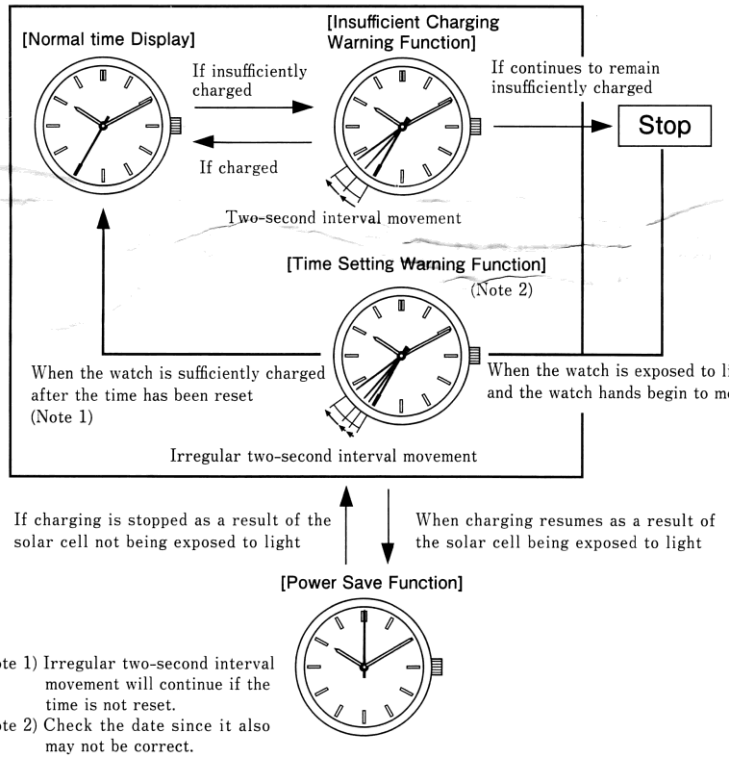
【Time Difference Among Major World Cities Based on UTC (universal time of convention)】

City name	Time difference	Daylight saving time	City name	Time difference	Daylight saving time
London	±0	○	Noumea	+11	×
Paris	+1	○	Auckland	+12	○
Cairo	+2	○	Honolulu	−10	×
Moscow	+3	○	Anchorage	−9	○
Dubay	+4	×	Los Angeles	−8	○
Karachi	+5	×	Denver	−7	○
Dakar	+6	×	Chicago	−6	○
Bangkok	+7	×	New York	−5	○
Hong Kong	+8	×	Caracas	−4	×
Tokyo	+9	×	Rio de Janeiro	−3	○
Sydney	+10	○			

*Cities (regions) in which daylight saving time is used are indicated with a ○, while those in which it is not are indicated with an ×.
*The time difference and use of daylight savings time of each city are subject to change by the particular country.

■Functions Unique to Solar-Powered Watches

When the watch becomes insufficiently charged, the following warning functions are activated to inform the wearer that the watch is insufficiently charged.



(Note 1) Irregular two-second interval movement will continue if the time is not reset.
(Note 2) Check the date since it also may not be correct.

<Insufficient Charging Warning Function>
The second hand moves at two-second intervals to indicate that the watch is insufficiently charged. The watch stops after about 2 days have elapsed. Expose the watch to light to return the second hand to one-second interval movement.

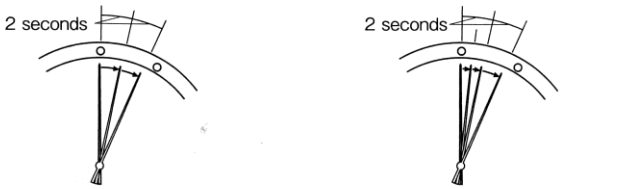
<Time Setting Warning Function>
When the watch is again exposed to light after stopping, although the second hand begins to move, since the time is incorrect, the second hand moves irregularly at two-second intervals to indicate that the time is incorrect. Reset the time after the watch has been sufficiently charged. The second hand will continue to move irregularly at two-second intervals unless the time is reset.

<Overcharging Prevention Function>
The overcharging prevention function is activated when the secondary battery is fully charged so that it is not charged further.

<Power Save 1>
When power is no longer generated as a result of light not shining on the solar cell, the second hand stops and the watch enters the Power Save 1 state to reduce power consumption of the secondary battery. The minute and hour hands continue to keep time even through the second hand is stopped. Furthermore, operation of the calendar is linked with the movement of the hour and minute hands.

<Power Save 2>
When the Power Save 1 state continues for about 3 days, the watch automatically switches to the Power Save 2 state and movement of the hour and minute hands as well as calendar operation stop to further reduce power consumption of the secondary battery more than Power Save 1.
Note: The power save function is not activated even when power is not generated as a result of light not shining on the solar cell during the time the secondary battery is fully charged and the overcharging prevention function is activated.

<Canceling Power Save>
The power save function is canceled when the solar cell is exposed to light and power generation is resumed. Each of the hands advance rapidly to the current time and begin moving. The date is also advanced continuously to the current date.



Two-second interval movement　　Irregular two-second interval movement

■Notes Regarding Handling of this Watch

<Try to Keep the Watch Charged at All Times>
- Please note that if you wear long sleeves, the watch can easily become insufficiently charged as a result of it being concealed and unable to be exposed to light.
- When you take the watch off, try to place it in as bright a location as possible to ensure that it always keeps the correct time.

⚠ CAUTION Charging Precautions

- Avoid recharging at high temperatures (over about 60℃) since this may result in damage to the watch during recharging.
  Examples:
  - Charging the watch in close proximity to an incandescent lamp, halogen lamp or other light source that can easily reach high temperature.
  - Charging the watch in a location that reaches high temperatures such as on a car dashboard.
- When charging the watch with an incandescent lamp, always make sure the watch is at least 50cm away from the lamp so that is does not reach excessively high temperatures during charging.

<Replacing the Secondary Battery>
The secondary battery used in this watch does not have to be periodically replaced in the manner of ordinary batteries since it is able to be charged and discharged repeatedly.

⚠ WARNING Handling of Secondary Battery

- The secondary battery should never be removed from the watch.
- If for any reason it becomes necessary to remove the secondary battery from the watch, keep out of the reach of children to prevent accidental swallowing.
- If the secondary battery is accidentally swallowed, consult a doctor immediately.

⚠ WARNING Use Only the Specified Battery

Never use a battery other than the secondary battery 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 secondary battery, always make sure to use the designed secondary battery.

<Operation at Low Temperatures>
If time correction or time difference correction is performed at low temperatures, the date will turn backwards and not change. In addition, the demonstration hand movement during the all-reset procedure will also no be performed.

■General Reference for Charging Times

When time required for recharging varies according to the model of the watch (color of the dial, etc.). The following times are shown below to serve only as a references.
※ Recharging time refers to the amount of time the watch is continuously exposed to light

Illuminance (lx)	Environment	Charging Time (approx.)		
		After stopping until one-second movement	For one day's use	For full charge
500	Interior lamp	26 hours	2 hours	532 hours
1,000	60-70cm away from fluorescent desk lamp (30W)	13 hours	63 min.	252 hours
3,000	20cm away from fluorescent desk lamp (30W)	5 hours	21 min.	81 hours
10,000	Outside, cloudy condition	2 hours	7 min.	24 hours
100,000	Outside, sunny condition	45 min.	2 min.	7 hours

Full recharging time: Time required for recharging the watch from the stopped state to fully charged.
Charging time for 1 day of operation: Time required for recharging the watch to run for 1 day at 1 second interval movement.

■All-Reset

The display of this watch may not read correctly as a result of being subjected to the effects of static electricity or strong impact and so forth. When this happens, perform the procedure described in "Reference Position Alignment" after performing the all-reset procedure described below.

1. Pull out the crown to the second click (time setting position).
   - The second hand moves to the 0-position stored in memory and stops.
2. Continuously press button (A) for at least 2 seconds.
   - The hour hand and minute hands performs a demonstration movement consisting of moving forward then backward and then forward again
   - The second hand makes one revolution in the forward direction.
   This completes the all-reset procedure. Always make sure to perform the reference position alignment procedure after performing all-reset.

(Note 1) Demonstration movement is not performed when the watch is insufficiently charged. Perform the all-reset procedure only after charging the watch sufficiently.
(Note 2) Do not perform the all-reset procedure while the date is changing. This can cause the date position to shift.

■Reference Position Alignment

After performing the all-reset procedure, align the hour and minute hands at their reference positions by pulling out the crown to the second click, and the second hand and date to their reference positions by pulling out the crown to the first click.

1. Align the hour and minute hands at the 12:00 position with the crown pulled out to the second click.
   ①Turning the crown to the right moves the hour and minute hands forward.
   ②Turning the crown to the left moves the hour and minute hands backward.
- Turning the crown to the right continuously causes the hour and minute hands to advance rapidly to the right, while turning the crown continuously to the left causes the hour and minute hands to advance rapidly to the left. Turn the crown to the left or right to stop the hands from advancing rapidly.

2. Align the second hands at the 12:00 position with the crown pulled out to the first click. In addition, align the date at "1".
   ①Turning the crown to the right causes the second hand to move one second forward.
   ②Turning the crown to the left causes the date to move one day forward.
- Turning the crown continuously to the left causes the date to advance continuously. Turn the crown to the left or right to stop the date from advancing continuously.

3. Once each hand has been aligned at the 12:00 position and the date has been aligned at "1", return the crown to the 0 position (normal position).

(Note 1)
It takes about 1 second for the watch to store the reference position in memory. Once the reference position has been stored in memory, the second hand will begin irregular two-second interval movement. The reference position may not be stored in memory if the crown is operated before the start of irregular two-second interval movement after returning the crown to the normal position.

(Note 2)
The second hand will continue to remain stopped even if the crown is returned to the normal position unless the reference position alignment procedure is performed.

4. After performing the reference position alignment procedure, properly reset the time and date.
- The watch shows 12:00 AM after reference position alignment has been performed. Set the time and date by referring to "Setting the Time and Date" while paying attention to AM and PM.

■Accuracy of Watch with Yearly Gain/Loss

The time-keeping accuracy will be maintained if the watch is used in the normal temperature (+5℃～+35℃) and when worn on wrist for about 12 hours everyday.
Please understand that a trivial gain or a loss can occur if the watch is used in other environments than those mentioned above.

<Monthly gain/loss>
The monthly gain/loss of the watch does not necessarily come to [10 seconds x 1/12].
Depending upon the conditions of use (temperature change due to seasons, extent of time worn on wrist, etc.), there can be a case where a monthly gain/loss even comes to ±2 seconds or so.

■Specifications

- **Model:** E51※
- **Type:** Analog solar-powered watch
- **Accuracy:** Average gain/loss yearly±10 seconds (when worn at normal temperatures of +5℃ to +35℃)
- **Operating temperature range:** Watch operating temperature range: −10℃ to+60℃
- **Display Functions:**
  Time : Hours, minutes, seconds (the hour and minute hands move every 15 seconds and the second hand moves every second)
  Calendar : Date display (with rapid correction function)
  Month and years elapsed since leap year displayed by second hand (only displayed when correcting the date)
- **Additional functions:**
  - Power save 1 function
  - Power save 2 function
  - Time difference correction function (forward and backward correction in 1 hour units)
  - Insufficient charge warning function
  - Time setting warning function
  - Overcharging prevention function
- **Continuous running times:** Fully charged to stopped: Appox. 4 years (when power save 2 function is operating)
  2-second interval movement to stopped: Approx. 2 days.
- **Battery:** Secondary battery

※Specifications are subject to change without notice.

■Precautionary Items and Usage Limitations

⚠ WARNING Water Resistance

- 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.
- 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.

(The unit "bar" is roughly equal to 1 atmosphere.)

Name	Indication: Watch dial and Case back	Specification
Everyday-use water-resistant watch	WATER RESIST(ANT)	Water-resistant to 3 atmospheres
Upgraded everyday-use water-resistant watch	WATER RESIST(ANT) 5bar	Water-resistant to 5 atmospheres
Upgraded everyday-use water-resistant watch	WATER RESIST(ANT) 10/20bar	Water-resistant to 10 or 20 atmospheres

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.

Water-related use				
 When water is simply splashed onto the watch (washing your face or in the rain)	 Swimming and general washing work (kitchen work/swimming, etc.)	 Water sport and skin diving (without air tank)	 Scuba diving (with air tank)	 Pulling out the crown when the watch is wet
○	×	×	×	×
○	○	×	×	×
○	○	○	×	×

*WATER RESIST (ANT) XX bar may also be indicated as W.R.XX bar.

⚠ CAUTION

- 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.
- The durability of a leather band may be affected when wet, owing to the properties of the material. In the case of a watch of upgraded water resistance for daily use that is frequently used in water, fading, peeling of adhesive or other problems may occur. It is therefore recommended to use another type of band (metal or rubber watchband).
- If a watch of upgraded water resistance for daily use is immersed in sea ewater or subjected to excessive perspiration, thoroughly rinse with fresh water and wipe completely dry with a soft cloth.
- If water enters the watch or the watch fogs up and does not clear up even after a long time, consult your dealer or Citizen Consumer help desk, your nearest Customer Support Center for inspection and/or repair.
- 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

- 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.
- 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 able to be removed, caution is required when wearing your watch with articles that tend to easily transfer color (articles of clothing, purses, etc.).

⚠ CAUTION Handling the Band (Putting on and Taking off Band)

- 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.

⚠ CAUTION Always keep your Watch Clean

- Small amounts of dirt may become trapped in the tiny gap between the crown and case, making it difficult to pull out the crown. It is recommended to occasionally turn the crown in its normal position to remove any dirt.
- 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.
- Wearing this watch may cause itching or rash if you have sensitive skin or certain physical conditions. If you think there is something wrong, discontinue wearing the watch immediately and consult your physician.

·Possible causes of rashes include:
1. Allergy to certain metals or leather
2. Rush, dirt or perspiration present on the watch's body and band

- Leather bands may become discolored by perspiration or dirt. Always keep your leather band clean by wiping with a dry cloth.
- Do Not wear the band too tightly. Try to leave enough space between the band and your skin to allow adequate ventilation.

<Caring for your Watch>

- Wipe any dirt or moisture such as perspiration from the case and crystal with a soft cloth.
- Remove any dirt from a leather band with a dry 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.
- Do NOT use solvents (such as paint thinner or benzene) for cleaning, since they may mar the surface of the band.

When equipped with Natural Light

- "Natural Light" uses luminous paint that emits no hazardous radiation at all, and is not harmful to human beings or to the environment. It emits light stored during exposure to daylight or artificial light.
  However, the brightness of the light will diminish as the watch remains in darkness. In addition, depending on the brightness of the daytime light source and the distance between the watch and the light source, the length of time the watch emits light will vary. Note that if the light stored in the watch is insufficient, the watch may not emit much light or will lose brightness quickly.

<Temperature>

- The function of the watch may be impaired or the watch may even stop if the ambient temperature is outside the range of −10℃ to +60℃.
- If the watch is left for an extended period under temperatures outside the normal range (+5℃ to +35℃), fluid may leak from the battery, resulting in considerable shortening of battery life.

<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.

<Static Electricity>

- The integrated circuits(IC) used in quartz watches are sensitive to static electricity. If exposed to intense static electricity, the watch's display may become incorrect.

<Strong Shock>

- Avoid dropping the watch or subjecting it to other strong impact.

<Chemicals, Corrosive Gasses and Marcury>

- If paint thinner, benzene or other solvents or products containing these solvents (including gasoline, nail-polish remover, cresol, bathroom cleaners and adhesives) are allowed to come into contact with the watch, the 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.

<Storage>

- 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.Do NOT leave a depleted battery in the watch for a long time. Be sure to replace it with new one. If battery fluid leaks out, it is likely to damage the watch.