

Thank you for your purchase of this Citizen watch.

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

After reading the manual, store it in a safe place for future reference.

Be sure to visit the Citizen website at <http://www.citizenwatch-global.com/>.

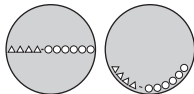
Here you will find a variety of information such as electronic setting guides, answers to frequently asked questions, Eco-Drive recharging information and more.

### 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 — IMPORTANT



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This manual contains instructions that should be strictly followed at all times not only for optimal use, but to prevent any injuries to yourself, other persons or property. We encourage you to read the entire booklet (especially, pages **40** to **53**) and understand the meaning of the following symbols:

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

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

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

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

## Features



### ■ World time

Easy to see the time for a second time zone, anywhere in the world.

Summer time (DST) setting is also available.



### ■ Eco-Drive

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



### ■ Perpetual calendar

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

- “Eco-Drive” is an original technology of Citizen.

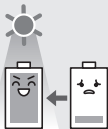
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## Before using this watch



This watch has a rechargeable cell which is charged by exposing the dial to light.

Expose the dial to direct sunlight regularly to charge the watch. For details of charging, see page **20** -.

Adjust settings of the world time and summer time (DST) correctly before time and calendar adjustment.

<b>World time setting</b> (page <b>12</b> )	Choose a time zone corresponding to the time and calendar you want to set.
<b>Summer time (DST) setting</b> (page <b>18</b> )	Change the summer time (DST) setting ( <b>SMT ON/OFF</b> ) following summer time (DST) status of your current place.

Adjust the time and calendar after checking and setting the items above (page **26**).

## **Band adjustment**

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

Consult an authorized service center.

## **Protective stickers**





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

## How to use a specially designed crown/button

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

### ***Screw down crown/button***

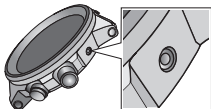
Unlock the crown/button prior to operate your watch.

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

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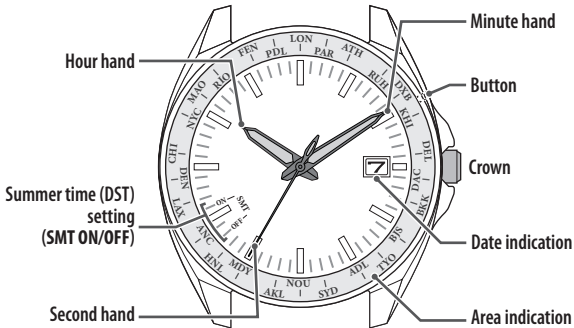
***Recessed button***

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



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

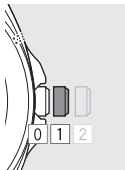
## Component identification



- The illustrations in this instruction manual may differ from the actual appearance of your watch.
- A solar cell is placed under the dial.

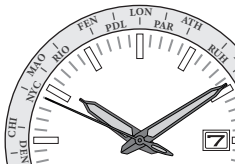
## Setting the world time

This watch can indicate the time around the world by choosing one of 26 time zones.



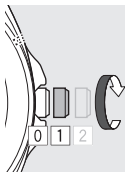
### 1 Pull the crown out to position 1.

The second hand points the time zone currently set.



Ex.:

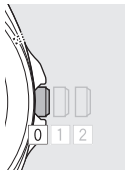
When the time zone set is  
"NYC"



## 2 Rotate the crown clockwise while the second hand points the time zone currently set to choose a new time zone.

The hour and minute hands start moving as you finished to select a different area.

- For details of areas and time zones, see “Table of time zones and representative places” (page 14).
- Date indication also moves synchronously.



## 3 When the hands and indication stop, Push the crown in to position 0 to finish the procedure.

Continued on the next page ►

**Table of time zones and representative places**

- Countries or regions may change time zones for various reasons.
- When using the watch in an area not listed in the table, select an area name in the same time zone.

Time zone	Second hand position	Area name	Representative area
<b>0</b>	0 seconds	<b>LON</b>	London
<b>+1</b>	2 seconds	<b>PAR</b>	Paris
<b>+2</b>	4 seconds	<b>ATH</b>	Athens
<b>+3</b>	7 seconds	<b>RUH</b>	Riyadh
<b>+4</b>	9 seconds	<b>DXB</b>	Dubai
<b>+5</b>	11 seconds	<b>KHI</b>	Karachi
<b>+5.5</b>	14 seconds	<b>DEL</b>	Delhi
<b>+6</b>	16 seconds	<b>DAC</b>	Dhaka

Time zone	Second hand position	Area name	Representative area
+7	18 seconds	<b>BKK</b>	Bangkok
+8	21 seconds	<b>BJS</b>	Beijing/Hong Kong
+9	23 seconds	<b>TYO</b>	Tokyo
+9.5	25 seconds	<b>ADL</b>	Adelaide
+10	28 seconds	<b>SYD</b>	Sydney
+11	30 seconds	<b>NOU</b>	Noumea
+12	32 seconds	<b>AKL</b>	Auckland

## Setting the world time

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<b>Time zone</b>	<b>Second hand position</b>	<b>Area name</b>	<b>Representative area</b>
<b>-11</b>	35 seconds	<b>MDY</b>	Midway
<b>-10</b>	37 seconds	<b>HNL</b>	Honolulu
<b>-9</b>	39 seconds	<b>ANC</b>	Anchorage
<b>-8</b>	42 seconds	<b>LAX</b>	Los Angeles
<b>-7</b>	44 seconds	<b>DEN</b>	Denver
<b>-6</b>	46 seconds	<b>CHI</b>	Chicago
<b>-5</b>	49 seconds	<b>NYC</b>	New York

Time zone	Second hand position	Area name	Representative area
-4	51 seconds	<b>MAO</b>	Manaus
-3	53 seconds	<b>RIO</b>	Rio de Janeiro
-2	56 seconds	<b>FEN</b>	Fernando de Noronha
-1	58 seconds	<b>PDL</b>	Azores

- The offsets in the table are based on the standard time (UTC).

## Setting summer time (DST)

Summer time (DST: Daylight Saving Time) is a system adopted in some countries/ areas to gain an extra daylight during summer.

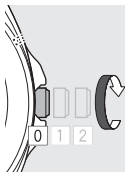
- The summer time (DST) period varies depending on the country or area.
- The summer time (DST) rules may change depending on the country or area.
- The summer time (DST) setting (**SMT ON/OFF**) you set is applied to all the time zones of the world time (page 12).



### 1 Press the button while the crown's position is **0**.

The second hand indicates the current summer time (DST) setting.

- The watch returns to normal indication in 10 seconds without any operation during the steps below.



## 2 Rotate the crown to switch the summer time (DST) setting (SMT ON/OFF).

The hour and minute hands start moving as the setting changed.

SMT ON		Summer time (DST) is indicated.
SMT OFF		The standard time is indicated.

- Each time you rotate the crown clockwise, the setting changes alternately.

## 3 Press the button to finish the procedure.



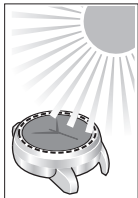
## Charging your watch

This watch has a solar cell under the dial and stores the power generated by the cell in its built-in rechargeable cell.

The cell is charged by exposing the dial to light such as direct sunlight or fluorescent lamps.

For optimal performance, be sure to:

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



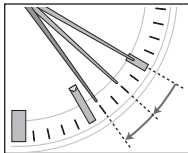
**CAUTION**

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

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

When the power reserve becomes low, the second hand moves once every two seconds. This is the insufficient charge warning function. Be sure to fully charge your watch immediately as outlined on page 24.

- When the watch is sufficiently charged, the second hand will move normally.
- If you do not charge the watch for 2 days or longer after the insufficient charge warning movement has begun, the watch will be depleted of all power and stop.



***During the insufficient charge warning state***

The time and date are indicated correctly.

- You cannot adjust time and calendar.
- You cannot change settings of world time and summer time (DST).

## Charging time by environment

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

Environment	Illuminance (lx)	Charging time (approx.)		
		To work for one day	To start working normally when the cell is discharged	To become fully charged when the cell is discharged
Outdoors (sunny)	100,000	2 minutes	1 hour	9 hours
Outdoors (cloudy)	10,000	12 minutes	4 hours	50 hours
20 cm (7-7/8 inches) away from a fluorescent lamp (30W)	3,000	40 minutes	13 hours	160 hours
Interior lighting	500	4 hours	100 hours	–

- **Exposing to direct sunlight is recommended to charge your watch.** A fluorescent lamp or interior lighting does not have sufficient illumination to charge the rechargeable cell efficiently.

## **Power save function**

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

- The watch works normally even while saving power.
- The power save function does not operate under the following conditions:
  - The crown is in position **1** or **2**.
  - During 2-second interval movement (insufficient charge warning status)

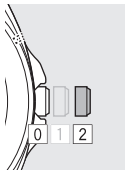
### ***Canceling the power save function***

The power save status ends and the hands return to normal indication as the crown is pulled out to position **1** or **2** or the dial is exposed to light and power generation starts.

## Adjusting the time and calendar

Before adjusting time and calendar, check the time zone of the time and calendar to set and its summer time (DST) status and adjust the setting of world time (page **12**) and that of summer time (DST) (**SMT ON/OFF**) (page **18**) correctly.

### Setting the time



#### **1** Pull the crown out to position **2**.

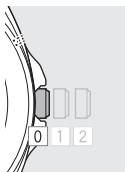
The second hand points to 0 seconds and stops.

- Adjust the reference position (page **32**) before time and calendar adjustment if the second hand does not point 0 seconds.



## 2 Rotate the crown to set hour and minute.

- When you rotate the crown quickly a few times, the hand/indication will move continuously. To stop the rapid movement, rotate the crown in either direction.
- Date indication also moves synchronously. Change of date indication shows it just became AM.
- Date indication does not change while moving the hands counterclockwise.



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

The watch starts moving.

## Adjusting the calendar



- 1 Press the button while the crown's position is 0.**

The second hand indicates the current summer time (DST) setting.

- Execute the next step within 10 seconds.

- 2 Press and hold the button for 2 seconds or more while the second hand indicates the summer time (DST) setting.**

The second hand turns fully around and indicates the current year and month setting.

- Release the button when the second hand starts moving.
- The watch returns to normal indication in 30 seconds without any operation during the steps below.

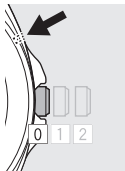


**3 Rotate the crown clockwise to adjust the year and month setting.**

- See page **30** for instructions on how to read the month and leap year setting.
- If you rotate the crown quickly a few times, the hand will move continuously. To stop the rapid movement, rotate the crown clockwise.

**4 Rotate the crown counterclockwise to adjust the date indication.**

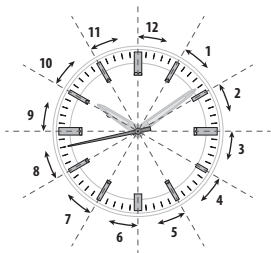
**5 Press the button to finish the procedure.**



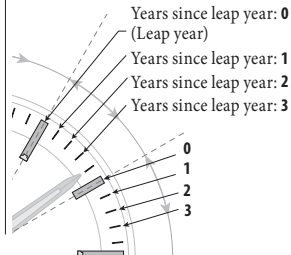
## Month and year indications

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

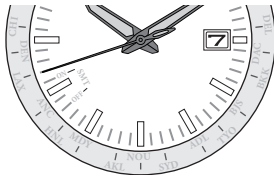
“Month” corresponds to one of the 12 zones shown in the figure below. Each number means month.



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



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



**Ex.: Position of the second hand when setting August 2018**

You can find that the years since leap year of 2018 is “2” from the table and the second hand must be set to the 2nd minute marker of August zone.

## Correcting the reference position

Adjust the reference position when the second hand does not point 0 seconds while the crown is in position [2].

Do not adjust the reference position when the watch indicates 11:50 PM - 12:10 AM. Otherwise, the date indication may change incorrectly.

Execute All Reset of the watch before correcting the reference position.

The setting values after All Reset	
<b>Time</b>	0:00:00AM
<b>Calendar</b>	January 1 of leap year
<b>World time setting</b>	LON
<b>Summer time (DST) setting</b>	SMT OFF

After executing All Reset, set the hands/indication to the correct reference position and adjust the time and calendar.

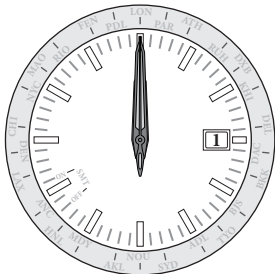
When the reference position of the hands/indication is incorrect, the indication of time and calendar may become incorrect.

**What is the reference position?**

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

- **Hour, minute and second hands:**  
0 hours 00 minutes 0 seconds
- **Date indication:** “1”

Correct reference positions





**1 Pull the crown out to position 2.**

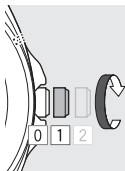
The second hand moves to the current reference positions stored in memory and stops.

**2 Press and release the button.**

All Reset is executed.

**3 Rotate the crown to set the hour and minute hands to 0 hours 00 minutes.**

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



**4 Push the crown in to position 1.**

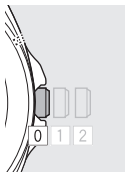
**5 Rotate the crown clockwise to set the second hand to 0 seconds.**

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



**6 Rotate the crown counterclockwise to set the date indication to "1".**

- If you rotate the crown quickly a few times, the hand will move continuously. To stop the rapid movement, rotate the crown counterclockwise.
- Rotate the crown while pressing and holding the button to adjust the position finely.



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

The reference position is updated and the second hand starts moving.

- Adjust the time and calendar after that (page 26).

# Troubleshooting

## Symptom and remedies

Symptom	Remedies	Page
<b>Time/calendar is abnormal.</b>		
Time/calendar is incorrect.	Check the world time setting.	<b>12</b>
	Check the summer time (DST) setting.	<b>18</b>
	Adjust the time.	<b>26</b>
	Adjust the calendar.	<b>28</b>
The date indication changes in the daytime.	Check the world time setting.	<b>12</b>
	Adjust the time.	<b>26</b>

Symptom	Remedies	Page
<b>Movement of a hand/indication seems strange</b>		
The second hand moves once every two seconds.	Charge the watch.	20
The second hand does not move.	Push the crown in to position [0].	—
	Charge the watch.	20
The second hand does not point 0 seconds when the crown is in position [2].	Correct the reference position.	32
The position of date indication is incorrect.	Correct the reference position.	32

## Eco-Drive watch handling precautions

### <Always Make Sure to Recharge Frequently>

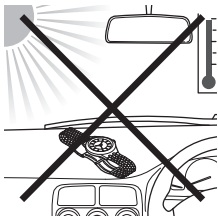
- For optimal performance, your watch should remain fully charged.
- Long sleeves may inhibit light transmission to your watch. This may result in your watch losing charge. In these cases supplemental charging may be necessary.
- When you take off the watch, place it in a bright location to ensure optimal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

**⚠ CAUTION Recharging Precautions**

- Do not charge the watch at a high temperature (about 60 °C (140 °F) or higher) as doing so may cause the movement to malfunction.

**Examples:**

- Charging the watch too close to a light source which generates a large amount of heat such as an incandescent lamp or halogen lamp.
  - \* When charging under an incandescent lamp, be sure to leave 50 cm (20 inches) or more between the lamp and the watch to avoid exposing the watch to excessive heat.
- Charging the watch in a location where the temperature may become extremely high such as on the dashboard of a vehicle.



### <Replacement of Rechargeable Cell>

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

### **WARNING Handling of Rechargeable Cell**

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

 **WARNING Use Only the Specified Battery**

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

This can cause damage to the watch and injury to the wearer.







When replacing the rechargeable cell, always make sure to use the designated rechargeable cell.

## Water resistance

### **WARNING** Water Resistance

- Refer to the watch dial and/or the case back for the indication of the water resistance of your watch. The following chart provides examples of use for reference to ensure that your watch is used properly. (The unit “1bar” is roughly equal to 1 atmosphere.)
- WATER RESIST(ANT) ××bar may also be indicated as W.R.××bar.

Name	Indication	Specification
	Dial or Case back	
Non water-resistant	—	Non water-resistant
Everyday use water-resistant watch	WATER RESIST	Water-resistant to 3 atmospheres
Upgraded everyday use water-resistant watch	W. R. 5 bar	Water-resistant to 5 atmospheres
	W. R. 10/20 bar	Water-resistant to 10 or 20 atmospheres

Water-related use					
					
Minor exposure to water (washing face, rain, etc.)	Swimming and general washing work	Skin diving, marine sports	Scuba diving using an air tank	Saturation diving using helium gas	Operate the crown or button when the watch is wet
<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<b>OK</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<b>OK</b>	<b>OK</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>
<b>OK</b>	<b>OK</b>	<b>OK</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

## *Water resistance*

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- Non-water resistant models are not designed to come into contact with any moisture. Take care not to expose a watch with this rating to any type of moisture.
- Water resistance for daily use (to 3 atmospheres) means the watch is water resistant for occasional accidental splashing.
- Upgraded water-resistance for daily use (to 5 atmospheres) means that the watch may be worn while swimming, but is not to worn while skin diving.
- Upgraded water-resistance for daily use (to 10/20 atmospheres) means that the watch may be worn while skin diving, but not while scuba or saturated diving using helium gas.

## Precautionary items and usage limitations

### **CAUTION To Avoid Injury**

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

 **CAUTION** Precautions

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

 **CAUTION** When Wearing Your Watch

**<Band>**

- Leather bands and rubber (urethane) bands will deteriorate over time due to perspiration dirt. Because of the natural materials, leather band will be worn, deformed, and discolored over time. It is recommended to replace the band periodically.
- The durability of a leather band may be affected when wet (fading, peeling of adhesive), owing to the properties of the material. Moreover, wet leather may cause a rash.
- Do not stain a leather band with substances containing volatile materials, bleach, alcohol (including cosmetics). Discoloration and premature aging may be occurred. Ultraviolet light such as direct sunlight may cause discoloration or deformation.
- It is recommended to take off the watch if it gets wet, even if the watch itself is water-resistant.
- Do not wear the band too tightly. Try to leave enough space between the band and your skin to allow adequate ventilation.
- The rubber (urethane) band may be stained by dyes or soil present in or on clothing or other accessories. Since these stains may not be removable, caution is required when wearing your watch with items that tend to easily transfer color (articles of clothing, purses, etc.). In addition, the band may be deteriorated by solvents or moisture in the air. Replace with a new one when it has lost elasticity or become cracked.

**⚠ CAUTION When Wearing Your Watch (continued)**

- Please request adjustment or repair of the band in the following cases:
  - You notice an abnormality with the band due to corrosion.
  - The pin of the band is protruding.
- We recommend seeking the assistance of an experienced watch technician for sizing of your watch. If adjustment is not done correctly, the bracelet may unexpectedly become detached leading to loss of your watch or injury.  
Consult an authorized service center.

**<Temperature>**

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

**<Magnetism>**

- Analog quartz watches are powered by a step motor that uses a magnet. Subjecting the watch to strong magnetism from the outside can cause the motor to operate improperly and prevent the watch from keeping time accurately.

Do not allow the watch to come into close proximity to magnetic health devices (magnetic necklaces, magnetic elastic bands, etc.) or the magnets used in the latches of refrigerator doors, clasps used in handbags, the speaker of a cell phone, electromagnetic cooking devices and so on.

**<Strong Shock>**

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

**<Static Electricity>**

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

**<Chemicals, Corrosive Gasses and Mercury>**

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

**<Protective Stickers>**

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

 **CAUTION** Always Keep Your Watch Clean

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

## **Caring for Your Watch**

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

### **<When Luminous Paint is used for your watch>**

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

- The light emission will appear bright at first and then diminish as time passes.
- The duration of the light (“glow”) will vary depending on the brightness, types of and distance from a light source, exposure time, and the amount of the paint.
- The paint may not glow and/or may dissipate quickly if exposure to light was not sufficient.

## Specifications

<b>Model</b>	E784	<b>Type</b>	Analog solar-powered watch
<b>Timekeeping accuracy</b>	Average monthly accuracy: $\pm 15$ seconds when worn at normal operating temperatures between $+5^{\circ}\text{C}$ ( $41^{\circ}\text{F}$ ) and $+35^{\circ}\text{C}$ ( $95^{\circ}\text{F}$ )		
<b>Operating temperature range</b>	$-10^{\circ}\text{C}$ ( $14^{\circ}\text{F}$ ) to $+60^{\circ}\text{C}$ ( $140^{\circ}\text{F}$ )		
<b>Display functions</b>	<ul style="list-style-type: none"><li>• Time: Hours, minutes, seconds</li><li>• Calendar: Date</li></ul>		
<b>Maximum run time from full charge</b>	<ul style="list-style-type: none"><li>• After charged fully, the watch runs without additional charging<ul style="list-style-type: none"><li>- When power save functions for 7.5 hours a day (in normal use): approximately 8 months</li><li>- When power save functions all the day: approximately 2.5 years</li></ul></li><li>• Power reserve upon insufficient charge warning function: approximately 2 days</li></ul>		
<b>Battery</b>	Rechargeable cell (lithium button cell), 1pc.		

**Additional functions**

- Solar power function
- Overcharging prevention function
- Insufficient charge warning function (two-second interval movement)
- Power save function
- World time (26 time zones)
- Summer time (DST) (**SMT ON/OFF**)
- Perpetual calendar (until February 28th, 2100)

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