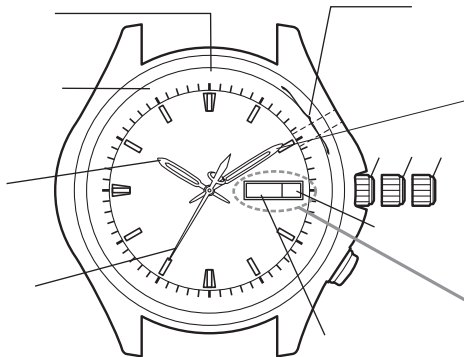
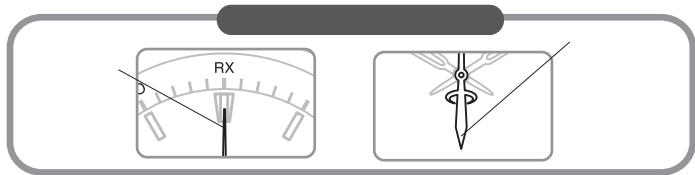


CITIZEN®

instruction manual





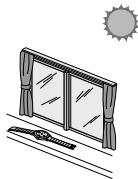
■ This watch is a radio-controlled timepiece that receives a standard radio wave of Japan ■

This watch will automatically receive by selecting a strong radio wave stations Automatic selection function receiving station And, to a reception at 2:00 am every day, if that could not be received performs automatically receive at 4:00 am again, to set the time and calendar That Receive regular function , Set the time and date at any time arbitrarily by receiving radio waves Forced reception function It is a clock radio with.

- Radio will receive only the standard radio wave of Japan. (Radio wave of overseas can not receive)
- Radio clock, so does not have any impact on the human body and medical equipment, please use with confidence.

■ Please use it against the light is fully charged ■

If the second hand of the clock during your use is hand movement every two seconds, you have to inform the shortage charging. Please use it to charge the "measure of the charging time" in reference. In particular, winter is hiding the watch in clothing, etc., it will be difficult to hit the light, please be charged in direct sunlight once a month. In order to comfortably use, always we recommend that you use try to charge.



When you read this instruction manual, please read in a state of open clock view of the left page.

When reading this instruction manual please keep the watch diagram at left folded out and in view.



For the repair of this watch

This watch, all repairs except for the band will be "Studio repair". Repair, at the time of inspection, please ask to our inquiry window.

Repairs

All part of this watch, excluding the band, are to be repaired only at CITIZEN. Please have all inspections and repairs performed at a Citizen Consumer Help Desk or Customer Support Center.

<About the protective seal>

Glass parts and metal parts of the watch (case back, band, the clasp) when the seal is affixed to, please be sure to peel off before use. When the sweat and moisture from entering the gap between the seal, may cause corrosion of rash or metal skin.

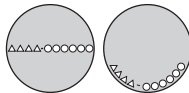
This time, we have the throne Thank you Thank you for purchasing the Citizen watch. On of before you use carefully read this manual, thank you correctly your Kedah.

In addition, this manual is a safe place, visit if necessary. Operation also described Citizen of the home page (<http://citizen.jp/>) You can see. In addition, depending on the model, there is also what the exterior function (slide rule, such as a tachometer) is installed, you can see the same operation of the exterior features that are not described in the instruction manual.

How to look at the model number

On the case back of the watch, it is 4 digits and the number of 6 digits or more, including the alphabet has been engraved. Referred to as "side number" this number. 4 digits of the beginning of the side number will be the model number. "△△△△" is the model number in the figure.

<Example of the position of the marking>






The display position by the clock is different.

Safety Precautions (Please read)

People and harm to other people you wish to use, in order to prevent in advance the damage to the property, that the duct was sure to observe, are described in the following manner.

- The degree of harm or damage that occurs when you how to use the wrong to ignore the display contents, classified in the following display, are described.

	Danger Section of this display, "is likely to bear the death or serious injury" content is.
	warning Section of this display, "poses a risk of causing death or serious injury is assumed" it is the content.
	Caution Section of this display is only possible or physical damage to "injury occurs" The possibility is envisaged" is the content.

- The type of content that get charm, classified in the following picture display, are described. ? (The following is an example of the picture display.)



	Such a picture display is, I would like you to take care is a "reminder" content.
	Such a picture display is "prohibited" content that should not be.

table of contents

Radio reception

1. In order to receive skillfully	16
2. The reception is difficult to place	17
3. The receiving method	18
A. The position of the second hand in the received	20
B. Confirmation of the reception result way	twenty one

Time according to the manual, how to match the calendar

Four. How to fit the time	twenty two
Five. How to match the calendar	twenty four
6. The method of the time difference correction	27

A reference position confirmation and how to fix

7. Needle automatic correction function	28
8. A reference position confirmation method	29
9. Manual correction method of the reference position	30

eco Drive	
Ten. Charging	32
11. About Eco-Drive-specific features	34
A. Power saving function	36
B. Charge warning function	38
C. Overcharge protection	39
D. Estimated charging time	40
E. Handling Precautions	41
Failure kana?	If you think 42
Reception to difficult customers	45
.....	In Handling 46
Product Specifications	56
.....	Warranty and after-sales service 58
The information desk	60

Product Features

- This watch will receive only the standard radio wave of Japan.
- It is a radio clock that receives choose a good station of the standard radio waves (time information) to automatically receive environment that is transmitted from Fukushima and Kyushu of the two stations, to automatically correct the time and calendar.
- Move the watch by converting light energy into electrical energy, eco-drive radio clock with a light power generation function. When the light does not hit the dial, it features a power saving function to reduce the power consumption of the watch.
- This watch is a convenient time difference correction function with the use of overseas. ? When I went to for time-zone-hopping, you can adapt easily to the local time.



"JIS? 1 or anti-magnetic watch", "impact detection function", by integrating the "needle automatic correction function" leave it in the three functions, it has prevented the needle deviation due to external factors such as shock and magnetic.





- * JIS? The one anti-magnetic watch, to maintain the performance of the watch is also close to 5cm in the equipment that generates a magnetic field in daily life.

For button / crown of special structure

Depending on the model, in order to prevent the erroneous operation, there is the case of the following structure of the crown and buttons.

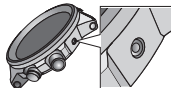
«How to use the screw lock crown screw lock button»

operate the watch, please release the lock.

	unlock	To lock again
Screw lock crown	 <p>Crown until pops out, turn to the left</p>	 <p>Turn Do not push the crown is in La right, firmly tighten Mel</p>
Screw lock button	 <p>Turn the screws to the left, loosen until it stops</p>	 <p>Turn the screw to the right, tighten firmly</p>

«How to use Hidden button»

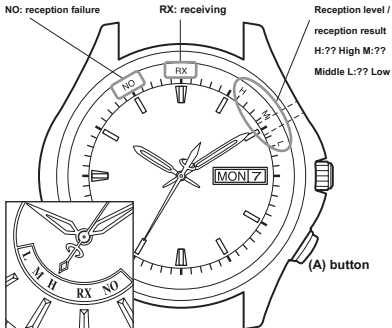
When you press the button, please press in such a pointed object. When you



Please check before you wish to use

※ This instruction manual is, the reception state of the second hand

It is described in a representation in the previous.



*? A watch that was purchased?

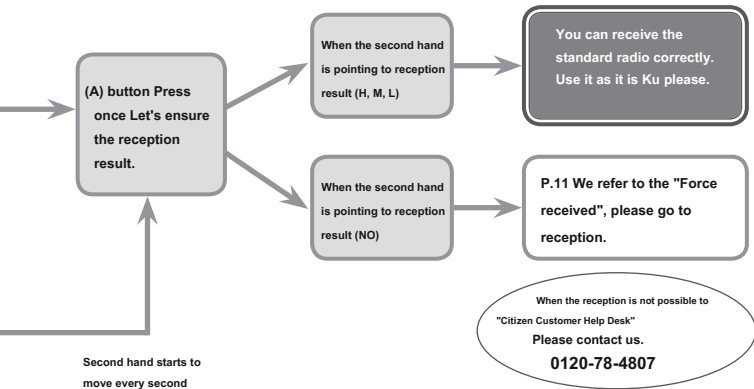
The instruction manual of the illustrations may be different.

Make sure the
movement of the second hand.

Second hand is moving in every
second

If the second hand is moving
dolphins or stopped, every two
seconds

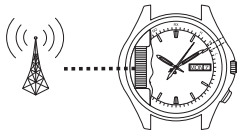
Against the direct sunlight,
please be charged.



Please remember about the radio wave reception

The scheduled reception (automatic reception)

- Scheduled reception does not need such as a button operation. ? Performs a reception at 2:00 am every day, if the reception is possible, such was not, set the time and calendar automatically receive electric wave at 4:00 am again.



Please refer to the "P.12? Measure of coverage area" for the direction of the transmitting station.

"The method of receiving"

- ? Remove the watch from the wrist, direction of the radio wave transmitting station at 9 o'clock (reception antenna position)
In toward, please put in place radio waves that was easy to stable reception, such as near a window.

"Acknowledgment of receipt"

Reception result can be confirmed after the scheduled reception time.

- (A) please press one button.
- If the second hand is pointing to the "H, M or L", to inform you that has been received. · ? If the second hand is pointing to the "NO", to inform you that could not be received. In the case of "NO", to be asked to perform a forced reception, please refer to the next page.

Forced reception (manual reception)

*? Way of detailed reception, please refer to the P.18

????? text "method of reception".

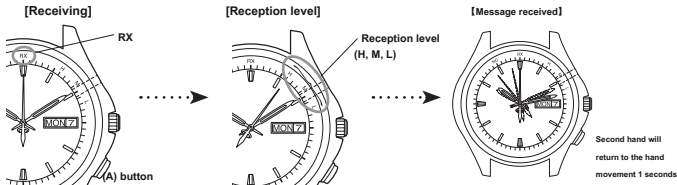
- At any time you can receive.

The reception environment and the like is changed, please go to the case that could not scheduled reception.

"The method of receiving"

·? Remove the watch from the arm, toward the 9 o'clock position in the direction of the radio wave transmission stations, radio waves, such a

- Place to easily receive a stable place, please do not move the watch during reception.**
1. The (A) button down for about 2 seconds or more, second hand Please away After stopping the RX (12 o'clock).
 2. Then, to move the second hand from the RX to "H, M, L".
 3. When the reception is complete, return to the 1-second movement second hand from the "H, M, L". (Up to 15 minutes)



Estimated coverage area

This watch is the receiving station automatic selection function with the standard radio. Estimated coverage area are as follows. However, sunrise, change of time of day and season of the sunset, the weather (such as lightning), the radio wave condition will change.

Since the coverage area is an estimate only, it may not be able to receive even in the range of Fig.

<Radio transmitting stations>

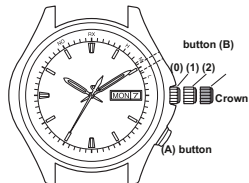
Ota Kadoya mountain standard radio transmitting station (Fukushima stations), steel mountain standard radio transmitting station (Kyushu Bureau)

Standard radio wave in Japan has been continuously transmitted almost 24 hours, but you may be sent in the maintenance and inspection is interrupted. Confirmation of the sending state of the standard radio waves, please refer to the Information and Communications Research Laboratories mechanism, Japan Standard Time project's home page (<http://jjy.nict.go.jp/>).

Standard radio waves, on the human body and medical equipment will not be affected at all.



[Function list of each part]



Function		Operation of each button or crown
forced reception	P.18	(A) button for at least two (2) seconds, then release when it stops the second hand to the RX.
Check the reception result	P.21	(A) Press button once.
Modify time difference	P.27	(B) Press the button once, the turn as the crown, and then press after setting (B) button once.
Manually - How to fit the time P.22 - How to fit the calendar P.24 Day of the week (switching of the Japanese-English) (elapsed years from leap year)		Making this a two-step pulled position (2) the crown.
		And in 1 step pulled position (1) the crown. * The (A) button Each time you press one time? Day of the week ⇒ you instead to Modify ⇒ day of the leap year.

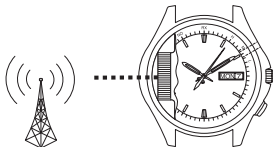
The movement of the needle
Second hand stops to RX, then you move "H, M, L" to the level. If you do not pointed to the reception level, it will return to the normal hand can not be received.
Second hand "H, M, L," or, to stop to "NO".
The second hand will stop at the 12 o'clock position. (If it is set time difference, and stops at the position of the time difference min.) Second hand at 12 o'clock is the time difference ± 0 . Second hand 1 step will display the time difference of one hour.
Second hand is one rotation in a clockwise direction in the crown right rotation, the minute hand will advance 1 minute. Second hand is 1 rotates counterclockwise in the left rotation, the minute hand will return to 1 minute. If you want to fast-forward the minute hand, the hour hand, please quickly by continuously rotating the crown. ※ When the day is switched points to the midnight.
The second hand moves to the position of "elapsed years from leap year" the watch is stored, and then stop. Day : Crown in the right rotation day is advanced by one day, to return in left rotation. Day of the week: (A) Press the button once, switch the day of the week in the crown right rotation, return in left rotation. ? ※ switching of the day of the week (English and Japanese), press 1-stage pull in (B) button once the crown. ? ※ day of the week can not switch the language in the model (H106) at the 6 o'clock position. leap year: Press one button (A), proceed second hand is one step in the crown right rotation, return in left rotation.

Radio reception

1. In order to receive skillfully

This watch is, the antenna for radio reception inside the watch (9 o'clock side) is built. In order to receive Well, remove the watch from the arm, toward the 9 o'clock position of the watch in the direction of the radio wave transmitting station, placed in a radio wave is received easily a stable location, such as near a window, during the reception is not move the watch Please give me.

The reception level will vary depending on the environment. The reception level of the clock "H, M, L" to the reference, performs a reception by changing several times watch the orientation and location, receive easy to place the reception level refers to the "H" or "M" and, direction go please looking for.



2. For reception is difficult to place

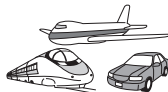
Radio noise is the location and that tends to occur such as the following, in the hard-to-reach environmental conditions of the radio waves, you may not be able to receive radio waves.



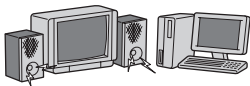
♦ Extremely hot or cold places



♦? High-voltage lines (wire), the train of the overhead line,



Airport (communication facility) near the ♦ car, a train, an airplane



♦? TV, refrigerator, personal computers,
appliances and near OA equipment such as
facsimile



♦? Close to the mobile phone in communication? ♦? Valley, sea coast, high-rise buildings and mountains, underground



3. receiving method

Radio wave receiving method is scheduled reception, manual reception, there are three ways of revival automatic reception, in order to receive the radio waves, make sure to receive remove the watch from the wrist. Each needle and the reception is completed automatically forward or to the time that was received, will be moving in reverse correction.

The scheduled reception (automatic reception)

- ? Toward the 9 o'clock position of the watch in the direction of the radio wave transmission stations, please put the radio waves received easily a stable location of the window or the like. Every day performs a reception at 2:00 am, when that could not be received is, will automatically receive at 4:00 am again.

Forced reception (manual reception)

- You can receive at any time.

Step 1) (a A) button Press and hold about 2 seconds or more, stop the "RX" (12 o'clock) second hand is at a high speed

Please away Once you have.

Step 2) toward the 9 o'clock position of the watch in the direction of the radio wave transmitting stations, it is easy to receive radio waves of the window or the like
Please put in a stable location.

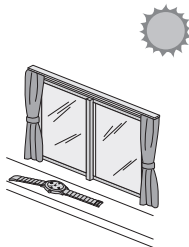
•? Then, you move the second hand from the "RX" to "H, M or L" indicating that the reception. • When the reception is complete, return to the 1-second movement second hand from the "H, M or L". You can check in? "3.?B? Reception result confirmation Method" (P.21).

Revival automatic reception

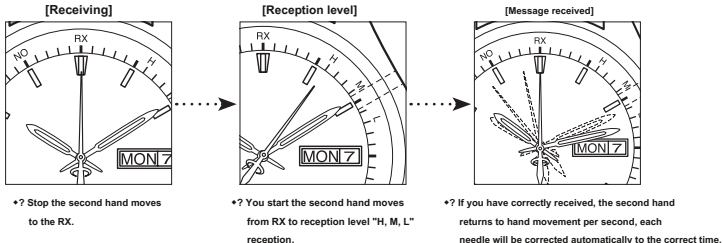
•? After the clock was stopped at the charging shortage, and enough to charge against the light to watch, will automatically receive only once. So as not to lack of charging a rule, use always try to charge.

*? During the reception in a state of stopping each needle, it has? By receiving radio waves.

? If you want to check the time during the reception, please cancel pressed for more than 2 seconds, receive the (A) button. Each needle will return to the time display before receiving.



A. position of the second hand in the received



<Time required for reception>

? By the day of the weather and noise situation, this time in accordance with the reception it takes about 2 minutes to a maximum of 15 minutes

There is a door. In addition, when the second hand does not move to continue to refer to the in the receive (RX) "H, M, L", you may return to the normal display in about 60 seconds.

Caution

For switched receiving station while receiving, blocked in the middle wave by environmental changes or the like, Second hand rotates 1, may point to a reception level again. Please do not move the clock in 1-second movement until.

How to check B. reception result

⊗ **it has successfully received, you can see whether it has failed.**

Step 1) and press (A) button once, any second hand is a high-speed "H, M, L or NO"

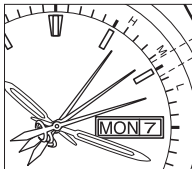
And crab movement, represents the reception result.

Step 2) After receiving results are displayed for 10 seconds, automatically returns to normal hand.

Or, to return to the 1-second movement Press once during the display of the (A) button.

• **If you refer to the "NO", received easy to place and, again looking for a direction "Force receive"**

Please do.



"H, M, L" is intended to refer to the reception level, there is no impact on performance.

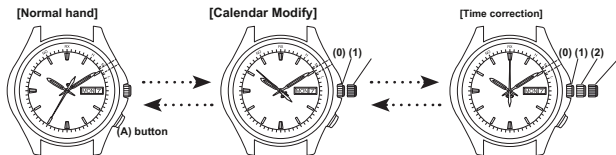
Reception level	Levels and reception result received
HML	When the reception environment is received in or receive radio waves in a state not very good
NO	reception environment when receiving or received radio waves in a state reception environment is good when receiving or received in good condition
	When that failed to receive

"Even if it receives radio waves correctly, by the receiving environment and watch internal processing, a slight shift will occur in the time display. "

Time according to the manual, how to match the calendar

4. How to fit the time

If this watch receives the radio waves, the time automatically, but will be fixed calendar, is when it is used in regions that do not receive the radio waves overseas, you can adjust the time and calendar manually. If you return to the area where radio waves, please go scheduled reception, or the forced reception.



•? Month, year (elapsed years from leap year),

You can day and day of the week of correction.

•? Minute hand, you can hour hand of correction.

◦? Calendar Modify "month and year, day, day of the week" mode is selected, the switching Each press of the button (A)

Ri Instead, you can fix by turning the crown.

"Procedure of the time correction"

Procedure 1) in a two-stage pull position the crown (2).

- The second hand is the high-speed hand movement to the 12 o'clock position, and stops.

Step 2) Turn the crown "minute hand, the hour hand" Align the.

- 1. Turn to the right (one click), the second hand is one rotation in the clockwise direction, the minute hand will advance 1 minute.**
- 2. Turn to the left (1 click), second hand is one rotation in the counter-clockwise, the minute hand will return to 1 minute. -?**

Continuous rotation (two clicks or more) the crown and to the second hand, minute hand, the hour hand?

And hand movement for 12 consecutive hours.

- If you stop the continuous hand movement, you turn the crown to the left or right.

Caution



When the day is switched it is midnight. Morning, please be careful in the afternoon.

Step 3) in accordance with, such as the time signal, return the crown to the normal position, and exit the time correction.

5. How to match the calendar

"Procedure of the calendar fix"

Step 1) in 1 step pulled position (1) the crown.

·? The calendar correction state, the position of the "elapsed year" and "month" the watch is stored

The second hand moves, and stops.

Step 2) Turn the crown to align the "day".

1. Turn to the right (1 click), the day will advance one day. 2. Turn to the left (1 click), the day will return one day.

Press Step 3) (A) button once, and align the Turn the crown "day of the week".

1. Turn to the right (1 click), day of the week will proceed. 2. Turn to the left (1 click), day of the week will return.

※ day of the week can not switching models (H106) in the language that is in the 6 o'clock position. ·? English ⇔ switching of Japanese of the day in the crown 1 step pulled position (1), and instead Each press of the button (B).

Press Step 4) (A) button once, by turning the crown, quick reference table the elapsed years from leap year

Align the "elapsed year" and read "month" from.

"View of the month by the second hand and the year (elapsed years from leap year)"

☆ view of the second hand points to "month"

Second hand 1 o'clock and 2 o'clock: ? Pm

January second hand 2 and 3 o'clock: February

⋮

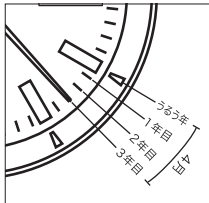
Second hand 12 o'clock and 1 o'clock: ? December

<Example>

If the elapsed year the third year in

April

Please take to read the elapsed years from leap year from the elapsed year Chart. -? Align the second hand to the position of 23 seconds (4 o'clock and 5 o'clock in the zone over emissions).

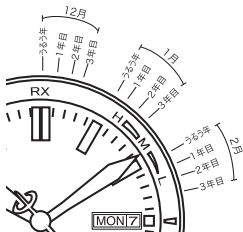


"Elapsed from the leap year Cheat Sheet"

Year	Progress	Year	Progress	Year	Progress
2017	Year 1	2021	Year 1	2025	Year 1
2018	Year 2	2022	Year 2	2026	Year 2
2019	Year 3	2023	Year 3	2027	Year 3
2020	leap year	2024	leap year	2028	leap year

• For leap year, you can see the chronology in our website.

<http://citizen.jp/cs/guide/leapyear/index.html>



☆ view of the second hand points to "elapsed year"

Leap year: 1 year from the first of scale leap year of the zone of second hand each month:

second hand second year of from 1 scale first leap year of the zone of each month: 3

second hand is from 2 scale first leap year of the zone of each month th year: 3 scale

second hand the zone of each month

Step 5) than this year elapsed year Chart from the leap year

To see what year, by turning to the right (one-click) the crown to align the second hand at the position corresponding to the "month" "elapsed year". Turn to the left (1 click), second hand is reversed.

Return the step 6) the crown to the normal position, and exit the calendar correction.

-? In the crown 1 step pulled position (1), each time with the press of a button (A), the date to be modified, the day of the week or the? Second hand movement, let you know the mode you want to modify.

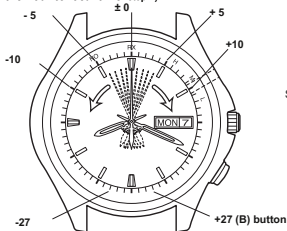
Caution

Depending on the model, there is a clock that day is displayed for three days.

6. The method of the time difference correction

When I went to areas where there is a time difference, by operating the second hand, you can set the time difference by

the hour to local time. step 1)



(Example) If Hong Kong was based on the Japan,?

-? Because there is a time difference of one hour,
to match the second hand 59 seconds position.

(B) When you press the button once, the second hand stops at 12 o'clock,
second hand at 12 o'clock is the time difference ± 0 hours.

If you? - ?? it is time difference setting, much of the time difference amount
And stops at the location.

Step 2) the crown in a state that does not draw, turn to the right
(1 click), you can set +1 hour time difference in a second
hand one step. Turn to the left, can be set to 1 hour in
seconds needle 1 step.

- ?? second hand at 12 o'clock is Japan time. Japan time
Standard to you is a time difference set to " ± 27 hours".

Step 3) or after the set time difference in the (B) button is pressed once, what

If you also after 60 seconds without operation, after displaying the time
difference set time at high speed, the difference modified when the return to
the 1-second movement is terminated.

A reference position confirmation and how to fix

7. needle automatic correction feature (reference position of the needle automatic correction func

Needle automatic correction function and (needle reference position automatic correction function)

Or the reference position of the needle is correct, is a function to check the needle position at regular time intervals, automatically second hand if it detects a deviation, minute hand, the hour hand correcting fast, holds the correct time.

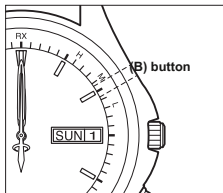
The impact detection function

When the watch receives an impact, is the ability to prevent second hand, minute hand, the hour hand of the shift.

·? Should strong impact or magnetic, when placed in the environment, such as static electricity, there is a case that even if the receiver does not display the correct time. Please check the reference position. ?? Please refer to the "reference position confirmation method" on the next page.

8. reference position confirmation method

Radio clock, the reference position of the needle and "0 hours, 0 minutes, 0 seconds" day "one day", and days of the week "SUN" to the original, and displays the standard time and calendar received.



Display of the correct reference position

Time: 0 hours, 0 minutes, 0
seconds Date ??????????: 1
day day of the week ??? : SUN

②? Please check the reference position is displayed correctly. ? Crown remains in the normal position, press and hold (B) button for about 5 seconds or more, the second hand moves in a forward or reverse, away from 12 o'clock. All of the needle and, calendar is hand movement at high speed, will stop at the reference position which is stored in the watch.

· There is a case where the maximum take about 7 minutes. In the case other than the display of the correct reference position, refer to "manual correction method of the reference position" on the next page. ※? If the reference position is correct, press the button (B),?

To return to the original time if vertical 2 minutes as it is.

9. manual correction method of the reference position

Time "0 hours, 0 minutes, 0 seconds", day "one day", if you display the other day of the week "SUN", please go to the reference position correction.

«Hour hand, a minute hand, second hand, calendar (day of the week, day) of the reference position correction method»

Step 1) Press the (B) button for about 5 seconds or more, the second hand is away Once you start moving at high speed, in the hand movement

In the crown to the two-step pulled position (2), until the movement of the watch stops all, and wait while the.

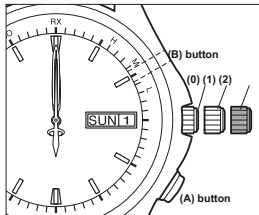
Step 2) Align to "1" Rotate day the crown.

1. Crown continuous rotation to the right (two clicks or more)

And to, day are switched in a row, it will return in a continuous rotation to the left.

-? If you want to stop the continuous switching, ????????

Turn the crown to the left or right.



**2. ? Once in the center of the dial window frame "1" is visible, stop is turn the crown to the left or right
It causes.**

-? Day to fix (A) button Each time you press once, the day of the week or the second hand moves, mode to fix

Let you know.

Press Step 3) (A) button once, and align the day of the week by turning the crown to the "SUN".

·? Right to continuous rotation (two clicks or more) the crown and to, switch the day of the week?

It will return in a continuous rotation to the left.

Press Step 4) (A) button once, and align the needle by turning the crown to "0 hours, 0 minutes, 0 seconds".

1. In the crown clockwise rotation (1 click), the second hand advances 1 minute at high speed, and return in left rotation. 2.

? When the continuously rotating (two clicks or more), the minute hand second hand around at high speed, are linked,

The hour hand will be continuous hand movement.

After Step 5) reference alignment, return the crown to the normal position, pressing one button (B)

Each needle and day, day of the week will return to the current time and calendar at a high speed.

-? This standard alignment is the end, but if it does not become to the current time, "Force receive"

Was carried out, please use the match to the correct time.

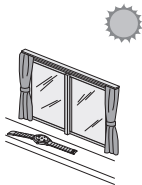
About 10. charge

This watch, secondary batteries have been used to store electrical energy. Once charging is completed, it will continue in increments of about six months time.

<Good use of this watch>

In order to comfortably use this watch, please try to always be stored in a bright location.

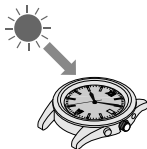
◆? Even when you remove the watch, sunlight falls on the dial of the watch, and bear in mind to put in a bright location of the window, etc., always? Watch continue to charge it will continue to move.



◆? Charging, please charge against the light of direct sunlight or fluorescent light on the dial. ? The charging of a white LED is also available.

◆? When are wearing, such as day-to-day long sleeves, because it does not hit the light hidden watch, please note that tends to be insufficient charging.

? Once a month against the direct sunlight, 5-6 hours charge
It is recommended that you be electric.



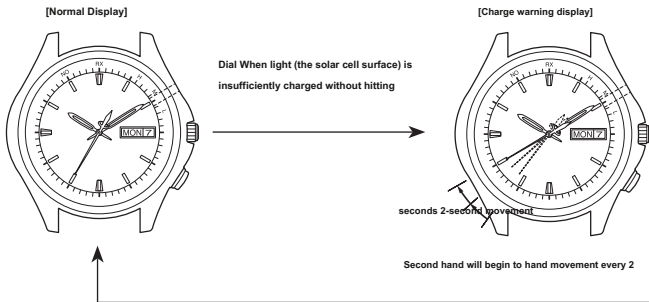
Caution

High temperatures, such as the dashboard of a car
Please avoid charging in place.



11. Eco-drive-specific functions

- This watch, display and become insufficient charge will change as follows.



*** 1. If you stop by the charging shortage**

Even if exposed to light until the revival automatic reception, it takes about 30 minutes in the shortest. Even later in reference to the "measure of the charging time", please try to fully charged.

*** 2. If you fail to revive automatic reception**

Since the time be in the 1-second movement is unlike, after charging is completed, Force received or, please use the set the time manually.

When the subsequent charge warning
(2-second movement) is more than 2 days

The clock will stop
charging shortage

Dial (solar cell surface) enough
to charge shed light on * 1

[Revival automatic reception]



Upon successful reception * 2

It will automatically once
received and is charged

A. power saving function (power saving function)

Store the watch in a dark place such as in a case, for a long time the state is not exposed to light in character plate following a?, Needle automatically stops, reducing the consumption of the built-in battery.

* We are carved always time in the watch inside.

After the release of the power saving, please check the reception result by pressing a single button (A). If the received result is "NO", please use a forced reception.

<Method of releasing the power save>

When the dial shed light, power saving will be canceled.

-? When the power save is canceled, each needle is to return to the current time at high speed, will be one-second movement.

-? In the case of insufficient charge, it will begin a two-second movement. Enough to charge, please return to 1-second movement.

Caution



**Crown, or, you can not cancel the power save is at the touch of a button. ?
Please cancel against the light.**

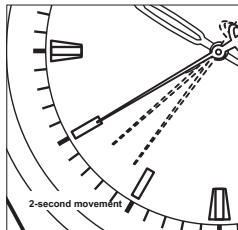
B. Charge warning function

Second hand switches to 2-second movement from the 1-second movement, let you know that it is now charging shortage. From the start of 2-second movement, and if a state of light does not strike has passed more than about two days, the clock will stop.

Caution

Scheduled reception when you're hand movement 2 seconds,

You can not force reception and time correction manually.



◆? Charge and in the midst of the "reception", "confirmation of the reception result," "the time difference correction", "confirmation / modification"

When the shortage of electricity is generated, automatically interrupting the operation to return to the time before the operation, it will begin a two-second movement. ??

So as not to insufficient charge, please always try to charge.

C. overcharge protection

No matter how charged even if the secondary battery and time accuracy, function, you do not have to worry about that affect the performance and the like.

Dial hit the light on, when charging is complete, it more than works automatically overcharge prevention function so as not to be charged.

Estimated D. charging time

※ A number of case of irradiation in succession. Please use as a guide.

Environment	Brightness (lx, lux)	Charging time (approx.)		
		Keep one day the state to move to normal	And clock is stopped From to start moving to the normal	From the clock is stopped until the charging is completed
Outdoors (sunny)	100,000	5 minutes	40 minutes	16 hours
Outdoors (cloudy)	10,000	12 minutes	1.5 hours	40 hours
20cm under the 30W fluorescent lamp	3,000	40 minutes	3 hours	150 hours
Interior lighting	500	4 hours	14 hours	920 hours

* Even if the second hand is hand movement 2 seconds, reference to the time of "until the completion of charging from the clock is stopped",
Please be fully charged.

<If it is fully charged>

Aircraft species	H100 · H106	H10A	H10B
Duration	About six months		
At power-saving operating	About 1 year	About 2 years	

Notes on E. Handling

"Watch, please use always try to charge"

- When wearing such as day-to-day long sleeves, because it does not hit the light hidden watch, please note that tends to be insufficient charging.
- Even when you remove the watch, and bear in mind to put in as much as possible bright location, watch will continue to work always correctly.

"The exchange of the secondary battery"

- For this reason, secondary battery, which is used to watch that allows repeated charging, there is no need of good sea urchin regular battery replacement of the conventional primary batteries.

? However, if you are long-term use, dirt of gear, I large current consumption due to oil shortage

Ri capacity of the secondary battery is no longer fast. We recommend regular disassembly and cleaning (surcharge).

Failure kana? If you think

"For Radio reception function"

Failure kana? When I thought, please check the following items.

Situation	Confirmation	Workaround
It does not start receiving. - second hand?: The "RX receiving"	Do you want to move?	- Press and hold the button (A), second hand?: If you refer to the "RX reception in" position, please release the finger.
Reception is possible, have such match the time of the time report and the like.	-? Reference position is or has been set correctly? ? 9. Avoid the confirmation of the reference position. P.29	-? If the reference position is not correct? "Modify the method of the reference position." Was your reference, please re together. P.30

Situation	Confirmation	Workaround
<p>It can not be received. (In receivable within the region)</p>	<p>·? Thing that generates a thing or noise to shield the radio waves do not have to close? ·? Do not you received at the distant location from the window?</p>	<p>·? And those that shielding radio waves, to avoid the things that noise is generated, sure to receive towards the transmitting station the 9 o'clock position of the watch.</p> <p>? Location, direction, angle changed several times, please look for the received easy location of the window.</p> <p>P.16</p>
	<p>·? Second hand "RX" or in receiving, or does not move the watch when you are pointing to "H, M, L," a?</p>	<p>·? Until the reception is completed (to return to normal hand) Please do not move the clock. (The time it takes to receive it may take about 2 minutes to a maximum of 13 minutes)</p>

"Eco-Drive"

Situation	Confirmation	Workaround
<p>Moving every two seconds. ·? Second hand is in? ? Stopped the clock? Crap.</p> <p>? Does not move even if the charge.</p>	<p>-? Or was now against the enough sunlight?</p>	<p>? Please perform enough? Charge to reference an indication of the charging time.</p> <p>P.40</p> <p>-? If you do not move even though the battery was charged, please contact our Contact Us.</p> <p>P.60</p>
<p>? Between instant that issued the watch from a desk or chest of drawers, the needle is fast-forward.</p>		<p>-? By light strikes, power saving (power-saving state) is released, because that is fast-forward to the current time. Please use it.</p> <p>P.36</p>

Reception to difficult customers

For the reception, it will be affected by the weather conditions and the radio wave environment at that time. Even if you try the "radio reception", for those who are not successfully received it is based on a support such as Otsukuri a map showing the radio wave approach direction from the radio waves transmit plant. Reception is difficult customers, please contact the "Citizen Customer Help Desk". It should be noted that the personal information entrusted to us by customers, using only support for the reception, will not be used for any other purpose.

In handling



warning

Handling of the secondary battery

- **Customers** Please do not remove the secondary battery from the watch. If the forced removal of the secondary battery, because of accidental ingestion prevention, sure to keep them out of reach of children. If swallowed a secondary battery, please receive treatment immediately and consult a doctor.
- Please do not dispose of with ordinary trash. Fire, it can cause environmental damage, please follow the instructions of the municipalities that are doing the garbage collection.



warning Please do not use other than the specified secondary battery

- Battery other than the secondary battery that is used in this watch, do not use absolutely. But also watch has become a structure that does not operate by incorporating other types of battery, forcibly such as a silver battery, use other types of battery, damage to the watch and rupture the battery becomes overcharged to be any chance charge and there is a risk of damage to the human body. The occasion of the secondary battery replacement, please use only the specified secondary battery.








warning About Waterproof performance

- Check on the waterproof performance display of the dial and the case back of the watch, please correctly? Be used with reference to the figure below. (1bar is equivalent to about 1 atm)
- **WATER? RESIST? (ANT)? Xx? Bar may have displayed with WR? Xx? Bar.**
- Non-waterproof watch can not be used in environments where exposure to the water or water.
- Waterproof watch for daily life (3 ATM water resistant), which can be used for, such as washing the face, you can not? Use in water.

Name	Viewing	Specifications
	The dial or the case back	
Non-waterproof watch	-----	Non-waterproof
Waterproof watch for everyday life	WATER RESIST (ANT)	3 ATM water resistant
For everyday life waterproof watch	WATER RESIST (ANT) 5 bar	5 ATM water resistant
	WATER RESIST (ANT) 10/20 bar 10 ATM water resistant 20 ATM water resistant	

- Reinforcing everyday life waterproof watch (waterproof 5 atm), which can be used for, such as swimming, Motomoguri? It can not be used (such as skin diving) and scuba diving.
- Reinforcing everyday life waterproof watch (10/20 water pressure), which can be used in the original diving, ? It can not be used for saturation diving using scuba diving helium gas.

Example of use					
					
Use of the degree to which water is applied. (Cleansing, such as rain)	In wet work and general swimming use.	Skin diving, water sports use.	Used in scuba diving to use the air cylinder.	Operation of the crown and buttons at the water droplets with state.	
×	×	×	×	×	
○	×	×	×	×	
○	○	×	×	×	
○	○	○	×	×	



Caution In order to prevent harm to humans

- Such as when you embrace the infants, for infants of injury or accident prevention, please rather than pay attention, such as pre-remove the watch.
- When performing such as strenuous exercise or work, because of injury or accident prevention to yourself or third parties, please thorough attention.
- In places the clock sauna becomes hot, please do not use absolutely because there is a risk of burns.
- Depending on the clasp structure in the band, please note that there is a risk of damaging the claw at the time of attachment and detachment.
- Please do not sleep while the clock. There is a possibility that the cause of the unexpected injury or rash.



Caution Precautions

- The crown, please use is always pushed in (normal position). If the crown is a screw tightening type, please check whether it is firmly fixed.
- Please do not the crown operation while with a moisture. There is a case to be waterproof failure contains the moisture inside the watch.
- Should, when or contain water inside the watch, also is fogging on the inner surface of the glass does not disappear for a long time to occur, do not leave that, your dealer or repair to our inquiry window, ask the inspection Please give me.

- Even if the waterproof performance of the watch is high, please note the following. ? - when soaked in sea water, wipe thoroughly with wash dry cloth with fresh water. -? Not subjected to watch directly tap water from the faucet. -? When bathing remove the watch.
- In the case that contains the seawater inside the watch, please refer to the repair request immediately put in a box or plastic bag. Increases the pressure inside the watch, parts (glass, crown, such as a push button) may come off.



Caution Caution when in portable mode

<About the band>

- Leather band or urethane band (rubber band) is degraded by sweat and dirt. Please perform periodic replacement.
- Leather band might be affected in the durability on the nature of the material, wet with water. (Bleaching, bonding peeling) also, it will also be the cause of the rash.
- Watch of leather band is also a waterproof watch, when you use the water we recommend that you remove the watch.
- Band so that there will be a little clearance, please use good ventilation.
- Urethane band (rubber band) is to adhere to dye and dirt of clothes and the like, it may not be able to be removed. Those that lose color (clothes, bags, etc.) Please note that when used in conjunction with. In addition, it may be deteriorated by solvent or atmospheric humidity.
There is no elasticity, please replace it if you experience cracking.

- In the following cases, please ask the adjustment, and repair promptly band. -? Due to corrosion, when an abnormality in the band was observed? - when the pin of the band is jumping out
- Please do not adjust the length of the watch band (metal or rubber) on your own. You can watch the fall, there is a fear of injury at the time of adjustment. Adjustment of the (product except when the tool for band adjustment is included) band, your dealer or, I have heard in our inquiry window. In other shops you might not have paid or handled.

<Temperature>

- Under extreme high temperature / low temperature of the environment, or to stop the clock, features may be reduced. Please do not use outside the operating temperature range of product specifications is.

<The magnetic>

- Analog quartz watches, are moving in using the magnet "step motor", is disturbed when receiving a strong magnetic from outside the movement of the motor, it may no longer display the correct time. Magnetic strong health appliances (such as magnetic necklaces, magnetic health belly band), refrigerator magnet door, fasteners of the bag, a speaker portion of the mobile phone, please do not close to an electromagnetic cooker.

<About shock>

- Please do not give severe shock, such as dropping on the floor. Function not only the damage, such as the exterior band, it may cause abnormal performance.

<About static electricity>

- IC that is used in quartz watches, has a weak nature to static electricity. Because there may not display the correct time and subject to strong static electricity, please be careful.

<For chemicals, gas, and mercury>

- Please avoid use of in the chemicals and gas. When those containing various solvents and it these such as thinner, benzene (gasoline, manicure cresol toilet cleaners, adhesives, water repellent) is attached to the watch, causing discoloration and dissolution, cracks If there is a. Please be careful to chemicals. In addition, if you or touch the mercury that is being used, such as in thermometers, please note that case, band or the like may be discolored.

<About the protective seal>

- Glass parts and metal parts of the watch (case back, band, the clasp) when the seal is affixed to, please be sure to peel off before use. When the sweat and moisture from entering the gap between the seal, may cause corrosion of rash or metal skin.



Caution The clock is always clean

- When the crown and push buttons are left not move a long period of time, mass dust and dirt adhering, so you may not be able to operate, from time to time or to idle the crown, press the push button. In addition, please drop trash, dirt.
- The case and bracelet are in contact with the skin directly just as underwear. Metal corrosion and sweat, dirt, may soil on the dirt in the clothes of cuffs does not notice, such as dust. Please use always be clean.
- The case and bracelet are in contact with the skin directly. Rust occurred in the case and band, dirt, deposited sweat, or you may cause itching, rash on the skin metal, and the like leather allergy. Please consult your doctor and discontinue use immediately feel abnormalities.
- If you sweat or dirt, band and case of the metal material, please remove the dirt with a neutral detergent used with a brush. Band of leather material, wipe with a dry cloth, please remove the dirt.
- Leather band may cause a "fall colors" by the sweat and dirt. Please use always to Kiyoshi Kiyoshi by, for example, wipe with a dry cloth.

Caring for watch

- Moisture, such as dirt and sweat of the case-glass, please wipe with a soft cloth.
- Metal band, plastic band urethane band (rubber band), please wash away dirt with water. Please be removed with a soft brush the dust and dirt jammed in the gaps in the metal band.
- Please remove the dirt leather band by wiping with a dry cloth.
- When not in a long period of time you use the clock, wipe well, such as sweat, dirt, moisture, please keep away from the location of the high temperature and low temperature and high humidity.

In the case of luminous with clock

The dial and hands of a clock, does not contain any harmful substances such as radioactive materials, phosphorescent paint using a safe substance to the human body and the environment are used.

The paint is stored in a light, such as sunlight or indoor lighting (except incandescent lamp), and emits light in a dark place.

- To release the light stored, little by little brightness with the lapse of time (brightness) will continue to fall.
- Distance from the brightness and the light source of light when storing light, by including the amount of irradiation time and phosphorescent ink of light, difference in the time to luminescence will occur.
- When the light has not been adequately stored, or not to emit light in a dark place, please note that there is a case that quickly goes dark even if the light-emitting.

Product Specifications

1. Model: H100 · H106 · H10A · H10B

2. Model: Analog solar power watch

3. Time accuracy: When not received (when not receiving radio waves) ± 15 seconds per month

At room temperature (+ 5 °C ~ + 35 °C) when carrying

Four. Operating temperature range: - 10 °C ~ + 60 °C

Five. Display Features: - Time: hours, minutes, seconds

Calendar (day of the week, Sunday)

6. Additional functions: - Radio reception function (scheduled reception, manual reception, resurrected automatic reception)

- receiving station automatic selection function (Japanese standard radio wave only) received in the display function (RX) Receiving level display function (H, M, L) - reception result confirmation function (H, M, L) or (NO)

- JIS? 1 antimagnetic species
- The impact detection function
- Needle automatic correction function

Perfex
パーフェックス

- the time difference correction function
- a reference position check / correction function and light power generation function
- Power saving function (power saving),
- charge warning function (2-second movement), overcharge prevention function

7. Duration: After charging is completed, until the clock is stopped not charge

Aircraft species	H100 · H106	H10A	H10B
When the power save when the power	About 1 year	About 2 years	
saving is working is not working	About six months		
In charge warning display - charging shortage Until the clock is stopped	About 2 days		

8. Use battery: Secondary battery (button-type lithium battery) 1

※ Product specifications are subject to change without notice for improvement.

Warranty and after-sales service

<Warranty>

In normal use, in the unlikely event a failure occurs within the warranty period, in accordance with warranty, we will free repair.

<For the holding period of repair parts>

We are the repair parts to maintain the function of the clock, we have held on the basis of the normal seven years. However, the exterior parts, such as a case, glass, dial, hands and crown, push-button band, because there is a case where I am allowed to use the appearance of different alternative parts, please note.

<For the repair period>

During the holding period of our repair parts of is it can be repaired. However, this period in your state and the environment will vary significantly. For propriety of repair, please contact us on dealer of the actual item you bring. It should be noted that the accuracy of the deterioration due to your use of the inter-long-term, you may restore the initial accuracy is difficult due to repair.

<If you are moving, your gifts>

Or are you moving during the warranty period, when your watch for your gift can not be subjected to the after-sales service of your dealer, please contact us to our inquiry window.

<Routine maintenance (paid)>

- **About Waterproof performance**

Since the waterproof performance of the waterproof watch and aging, we recommend that you perform the safety at once waterproof inspection in 2? ~? 3 years a long time in order to use. In order to maintain the waterproof performance, since the replacement of parts is required, please request the exchange, such as packing.

- **For disassembly and cleaning (interior repair)**

To get a long time patronize the watch requires disassembly and cleaning (interior repair). Parts such as gears will be worn by get for a long time you use it, we use a lubricating oil in order to suppress this. Wear of parts in the dirt of the lubricating oil advances by only aged deterioration, and may lead to failure. As a guideline 5? We recommend the request of disassembly and cleaning once a year.

<Repair>

In order to maintain the quality of the watch, this watch is all repairs except for the band will be "Studio repair". This is, repair, inspection, adjustment, etc. special technology, because you need the equipment. During the repairs, etc., please ask to our inquiries desk.

<For More Information Contact Us>

Warranty and repair, If you have any questions, please consult your dealer or our Contact Center.

HAR02



CT040

CT042

CT067

CT076

EX037

<http://citizen.jp/>

Cal.H100

Cal.H10A

Cal.H10B

Cal.H106