

JPN

ハイインフラパン

USER MANUAL

JPN-001-130R

Thank you for choosing a JPN watch.
For proper and safe use of your JPN watch,
please read the instructions in this booklet carefully before using.
Please keep this manual handy for easy reference.

Before using

Some watches have a protective sticker on the glass, back and metal clasp to prevent scratching.

If you leave this sticker on your watch, perspiration, moisture and dirt may enter the space between the stickers, causing skin irritation and corrosion.

Be sure to remove the sticker before use.

The crown may be fitted with a stopper to prevent battery consumption.

In this case, remove the stopper from the crown and push the crown in to start your watch.

To use it safely - Please be sure to read this -

In order to prevent the user and others from being harmed and property damage, please observe the following instructions.



Warning

Indicates that there is a risk of serious injury or other serious consequences if the device is used in a manner that differs from what is indicated.



Caution

It indicates that there is a risk of minor injury or material damage if the product is misused in a manner that differs from that indicated.

Warning Handling of Rechargeable Batteries

- The rechargeable battery in this watch can be charged repeatedly and does not need to be replaced periodically, as is the case with conventional watches.
- Do not remove the battery from your watch body. If you have no choice but to remove the battery, keep it out of the reach of children to prevent accidental ingestion. If a battery is swallowed, consult a doctor immediately for medical treatment.
- Never use batteries other than the rechargeable batteries used in this watch. When replacing the rechargeable batteries, be sure to use the specified rechargeable batteries.
- Do not dispose of batteries with ordinary garbage. Do not dispose of your watch with ordinary rubbish, as it may cause a fire.

⚠ Warning Water resistance

- Refer to the table below for details on the water resistance degree of your watch before use.
- Always keep the crown in the pushed-in position (normal position).
- Do not turn or pull out the crown when your watch is wet as water may get inside your watch.
 - ✘ If the inner surface of the glass is clouded with condensation or water droplets appear inside of your watch over time, the water resistant performance of your watch has been compromised.
- After the product has been exposed to seawater, clean with fresh water and dry thoroughly with a clean cloth to prevent rust from appearing.
- Do not pour running water directly from the faucet onto your watch.

< Water resistance classification table >

Name	Notation Dial or Case Back	Specification	Example of use				
			Light splashing such as rain, washing face, etc.	Used around water and general swimming	Used for snorkeling and marine sports	Used for scuba diving	Operation of the crown and buttons while wet
Reinforced Waterproof Timepiece for daily Use	10ATM	10 ATM Water Resistance	○	○	○	×	×

⚠ Caution While wearing

- Remove your watch before handling an infant, to prevent possible injury to the infant.
- Avoid exposing your watch to very high temperature environments, such as a sauna, to avoid possible burns.
- When putting on and taking off the band take care not to damage your nails or skin on the inner clasp.
- If wearing your watch in bed, be aware of possible unexpected injury or skin irritation.

⚠ Caution Band

- Consideration is required if wearing your watch for long periods. The band touches the skin directly and can become dirty with sweat or dust. Lack of care may accelerate deterioration of the band, cause skin irritation or stain the sleeve edge.
- Adjust the band to allow a little clearance with your wrist to ensure proper airflow. When wearing your watch, leave enough room to insert a finger between the band and your wrist.

⚠ Caution Daily Care

- Wipe off any moisture, sweat or dirt on your watch body and band frequently with a soft cloth.
- In order to ensure that your watch does not get dirty, please use a soft brush or a toothbrush to remove any dirt or debris from the gaps (such as around the crown and back of your watch).
- It is recommended that you keep your watch away from hot, cold and humid places.
- If the crown is not moved for a long period of time, dust and dirt may collect on the crown and make it impossible to operate your watch.

⚠ Caution Parts made of resin

- Depending on the conditions of use and storage environment, there is a possibility that the resinous parts may perish as they deteriorate over time.
- If the product is wet for a long period of time, the color of the product may leach on to other products. Wipe off and do not leave the product in close contact with the stained surface.
- Your watch is vulnerable to direct sunlight. If exposed to sunlight while stained (eg with dirt or other substances) it can cause deterioration such as color fading and peeling of the adhesive.

⚠ Caution Skin irritation and allergic reactions to metals and resin

- Allergic reactions to your watch are possible, for instance in reaction to the metal, resin, or dirt on your watch. There may be personal discomfort caused by the band.
- If you notice any worrying anomalies, stop using the product and consult a doctor immediately.

⚠ Caution Shock

- Do not subject the unit to severe shock, such as dropping it, as this may damage the exterior case, the band, or cause malfunctions in the functions and performance of your watch.
- Avoid strenuous activity or work while wearing your watch.

⚠ Caution About temperature

- Avoid using or storing your watch for long periods of time in extremely hot or cold environments, as this may cause your watch to stop or lose its function.

⚠ Caution Magnetic resistance

- Analog quartz watches have a built-in motor that use magnets, and may not display the correct time due to the presence of a magnetic field nearby. In such cases, please move your watch at least 10cm from the magnetic object and adjust the time.

* If your watch continues to go out of sync even after adjusting the time, demagnetize your watch to restore it to its original state.

【 Examples of common magnetic products that may affect watches 】

Speaker parts of mobile phones and radios, audio speakers, magnetic doors for refrigerators, bag clasps, electromagnetic cookers, AC electric razors, magnetic health devices (magnetic necklaces, magnetic health bands, magnetic health mats, magnetic health pillows, magnetic health stomach rollers, etc.)

⚠ Caution Static Electricity

- The IC used in quartz watches is susceptible to static electricity and may not display the correct time when subjected to strong static electricity.

⚠ Caution Chemicals, (eg volatile gases or mercury, etc)

- Do not use the product in the presence of highly volatile chemicals or gases.

* The case, band and dial may become discolored, deformed or damaged if your watch is exposed to any of the following:

Possible damaging chemicals may include paint thinner, benzene or other solvents or substances containing such solvents (gasoline, nail polish, creosol, toilet detergent, glue, water repellent, etc.) or if the mercury used in the thermometer adheres to the watch.

⚠ Caution Charging

- If your watch becomes too hot during charging, it may cause discoloration or warping of the moving parts. When charging your watch by exposure to an incandescent lamp, be sure to keep the lamp at least 50 cm away from your watch so as not to overheat your watch.
- Do not charge the battery under high temperature (over 60°C).

【 Examples of charging methods that are prone to high temperatures 】

The dashboard of a car.

Too close to a light source such as an incandescent lamp or halogen lamp.

◇ Charging function

This watch can store the electrical energy generated by the solar cells underneath the dial in a built-in rechargeable battery.

The battery is charged by exposing the dial to direct sunlight or fluorescent light.

This product can be used comfortably if you keep the following in mind.

- Expose the batteries to direct sunlight once a month for 5-6 hours.
- Always store in a well-lit area.
- * We recommend charging in direct sunlight. When charging your watch under fluorescent lights or using indoor lighting, full charging may not be possible.
- * When charging your watch indoors, place your watch under a desk lamp or other light source at a distance of about 20cm from your watch face.
- * Items of clothing that shade your watch (long sleeves, gloves, etc) may lead to occasional undercharging.
- * Your watch should hold it's charge for about 6 months after charging.

{ Charge Warning Function }

When the energy stored in your watch is running down, the second hand starts moving at two-second intervals. If the energy runs out, your watch will stop. If the second hand starts moving at two-second intervals, fully charge your watch.

{ Standard charging time }

The table below shows the values for continuous exposure. Charging time will also vary depending on the model of your watch (e.g. color of the dial). Please use this as a rough guide.

(Dial transparency rate = 30%)

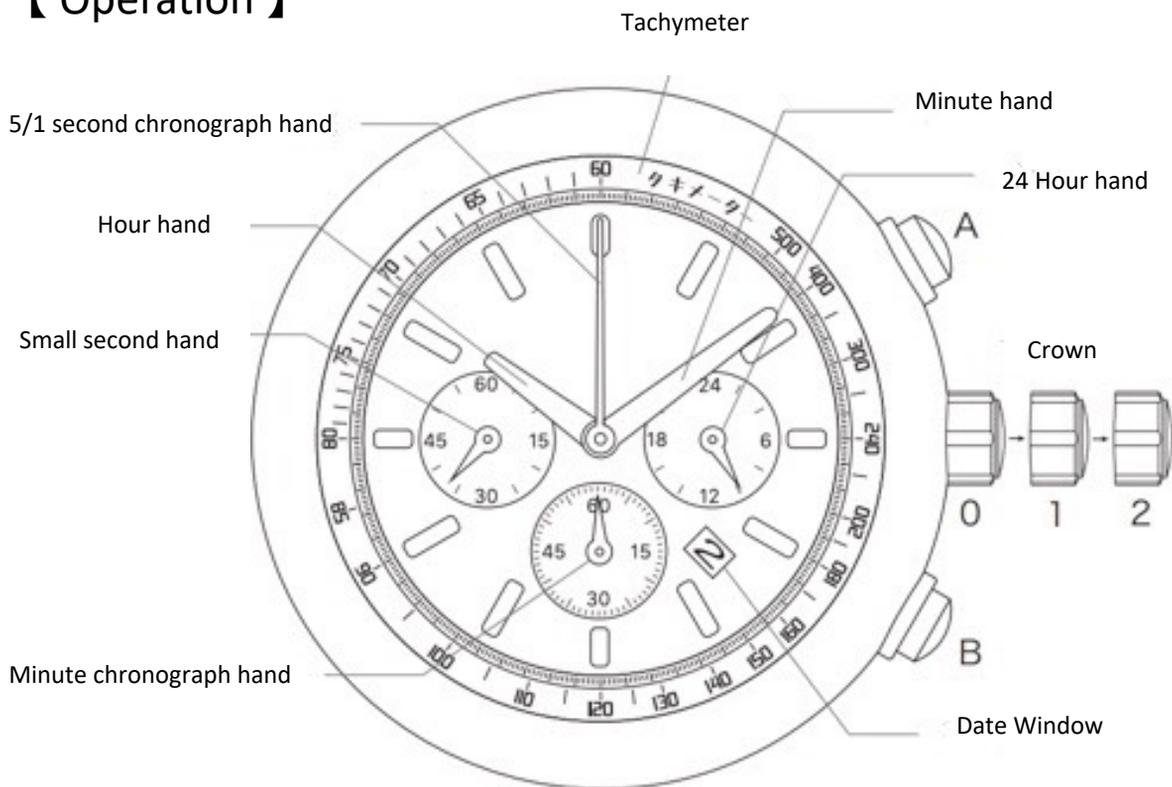
Illumination (Lx)	Source of light	Environment	A (Approx. Hours)	B (Approx. Hours)	C (Approx. Minutes)
700	A fluorescent lamp	Inside the office	—	35	90
3,000		30W 20cm	65	8	20
10,000	Sun light	Cloudy	18	2.5	6
100,000		Fine weather	5	1	2

Condition A : Time required for full charge

Condition B : Time required for steady operation

Condition C : Time to charge 1 day of power

【 Operation 】



〔 How to set the time 〕

① Pull the crown out twice. (To position "2")

② Turn the crown to set the time.

③ Push the crown in to the 0 position after setting the time.

* Check the 24 hour hand and set it to the correct time in the morning and afternoon.

〔 How to set the date 〕

① Pull the crown out once. (to position "1")

② Turn the crown clockwise to set the date.

③ Push the crown in to the 0 position after setting the time.

* When setting the date, if the time is between 9:00 PM and 1:00 AM, please set the time ahead of 1:00 AM. The date may not change correctly.

◇ How to use the chronograph function

The chronograph function measures and displays time for up to 59 minutes and 59 seconds.

The chronograph will stop automatically at 60 minutes.

① Press "A" to start the chronograph.

② The chronograph can be started and stopped with each press of "A".

③ Press pusher B to reset the chronograph and return the 1/5 second and chronograph minute hands to the 0 o'clock position.

◇How to use the tachymeter

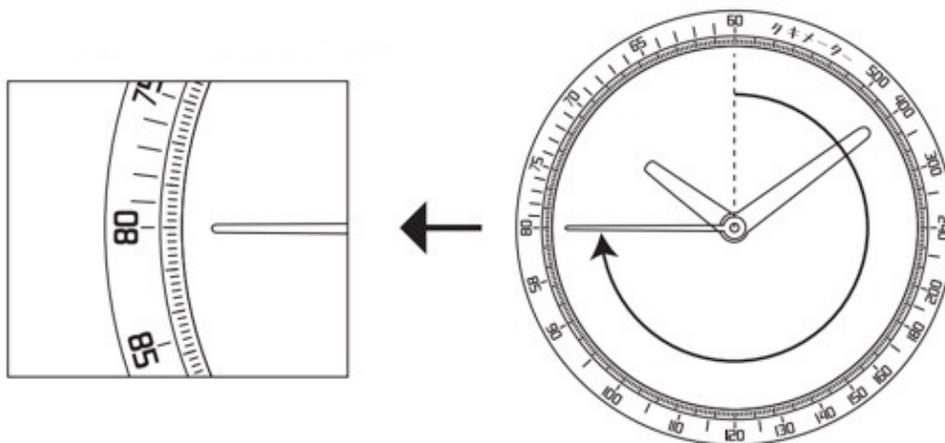
The numbers on the tachymeter scale can be read to determine how many seconds it takes to run 1 km or to measure the time required to complete 1 job.

• How to measure kilometers / hour

① Measure the time (within 1 minute) it takes to run 1 km.

② Read the number on the tachymeter scale that the stopwatch 1/5-second hand is pointing to.

Ex. If it takes 45 seconds to run 1 km...80 km/h



◇If it doesn't work after charging, or if it moves abnormally.

【System reset】

If your watch does not operate even when fully charged, or if the second hand is not moving every second or is moving abnormally, your watch may function normally by performing the following operations.

① Pull the crown out twice. (To position "2")

② Press buttons A and B simultaneously for 3 seconds.

③ Push the crown in to position 0 and set the time, date and chrono hands.

【Chronograph zero reset (how to set each chronograph hand)】

This procedure must be carried out after resetting the chronograph or after replacing the battery, if the chronograph hands are not returning to the 0 o'clock position.

① Pull the crown out twice. (To position "2")

② Press and hold A for 2 seconds and the chronograph minute hand will rotate once.

Press pusher B to set the chronograph minute hand to the 0 hour position.

③ Press and hold A again for 2 seconds and the chronograph 1/5 second hand will rotate once.

④ Push in the crown when the chronograph minute hand and chronograph 1/5 second hand are back to 0 o'clock position.

* If the problem persists, please contact the store where you purchased the product.