

**GPS MASTER IV** 

Instruction manual

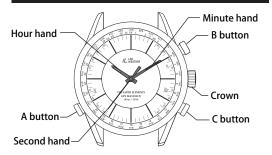
## 1. About this watch

This watch makes use of GPS.

GPS is a navigation system based on satellite data. GPS satellites are equipped with high precision atomic clocks which lose only one second every 100,000 years. By receiving location and time information from such satellites it is possible to display the correct time, wherever you are in the world.

GPS signals are transmitted in straight lines, and while they can pass through clouds and glass, they cannot reach through other obstacles. As such, this watch can receive signals in the open air in places where there are no obstructions, while it cannot receive signals in valleys, in mountainous regions, indoors, or underground. Please move to an area where GPS signals can be easily received when attempting to receive such signals.

### 2. Part names and button functions



#### A button

Time zone display

⇒ 8. Checking time zone Hold down to manually select time zone

⇒ 7. Time zone selection method

#### **B** button

Check recent results and latitude.

⇒ 6. Checking GPS results and latitude Hold down to start automatic reception (time information only)

⇒ 5. Regarding GPS reception (manual)

#### C button

Date display

⇒ 3. Viewing the date

Hold down to start manual reception (both time information and time zone)

⇒ 5. Regarding GPS reception (manual)

#### Crown

Normally in pushed down position (normal use position).

Only pull out when adjusting hand location.

⇒ 10. Adjusting hand location.

\*This product uses GPS to set the time.

It is not possible to set the time manually through adjusting the crown.

## 3. Viewing the date

How to check the date

- Check that the crown is in the normal use position. Push the C button and the second hand will point to the date, which is displayed on the outer of the time ring.
- 2. After pointing to the date for five seconds the second hand will return to normal motion.



\*Illustration depicts the case for the 15th of the month.

# 4. Regarding GPS reception (automatic)

This watch uses GPS to automatically receive time information and adjust the time. GPS reception occurs seven days since the previous reception (includes both automatic and manual reception).

In automatic mode, time information only is received. Location information is not received. Automatic reception occurs between 11am and 2pm, when the sun is at its strongest.

\*If strong sunlight is not sensed between 11am and 2pm automatic reception will start at 2pm.

## 5. Regarding GPS reception (manual)

In addition to regular automatic GPS reception it is possible to manually receive GPS information at a time of your choice.

When it is difficult to receive GPS automatically please try manual reception under clear skies in a place where it should be easy to receive GPS signals. In manual reception mode, it is possible to select between

- Receive time information only.
- Receive both time information and time zone.
- \*When receiving both time information and time zone information, it is necessary to receive a signal from at least four satellites. This means that that reception may take some time, leading to a drain on the battery.

#### Receive time information only

- **1.** Check that the crown is in the normal use position.
  - Hold down the B button for five seconds and the second hand will point to the RX mark and reception will begin.
- **2.** Reception will take up to a maximum of 90 seconds.

Successful reception will result in the time being adjusted.

\*Hold down the A button to cancel reception in progress.

Cancelling the reception will mean that the time is not adjusted.

#### Receive both time information and time zone

**1.** Check that the crown is in the normal use position.

Hold down the C button for five seconds and the second hand will point to the RX mark and reception will begin. Reception will take up to a maximum of 90 seconds.

**2.** Successful reception will result in the time, date, time zone and daylight saving settings being adjusted.

\*Hold down the A button to cancel reception in progress.
Cancelling the reception will mean that the time, date,
time zone, and daylight saving settings will not be
adjusted.



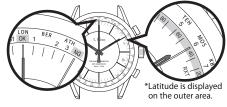
When receiving GPS, the second hand will point at the RX mark.

## 6. Checking GPS results and latitude

Follow the steps below to check recent GPS results (automatic, manual).

\*These steps can be followed to check the previous GPS results. Please note that they cannot be used to check whether you are in a location where reception is possible.

- Check that the crown is in the normal position.
   Hold down the B button and the second hand
   will point to the OK or NG mark (when in flight
   mode it will point to the mark).
- 2. Press the B button again, or after five seconds without button pressed, the second hand will point to the latitude.
- **3.** After pointing to the latitude for five seconds the second hand will return to its normal movement.



## 7. Selecting the time zone

By selecting the time zone of the location that you are using your watch in, it is possible to display the time no matter where you are in the world.

There are two ways to select the time zone:

- Selection using GPS
- Manual selection ⇒ next page

'Selection using GPS' will automatically select your time zone based on the location information that your watch has received.

In the regular automatic reception, location information is not received. This means that it is necessary to manually carry out GPS reception when the location where you are using your watch changes. Regarding 'Selection using GPS', please refer to

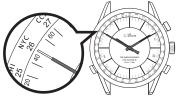
'Receive both time information and time zone' in '5. Regarding GPS reception (manual)'.

When you are unable to receive GPS information or when you would like to set your watch to your destination time before departing (i.e. when you want to set your time to one other than your current location) set your time zone manually according to the following steps.

\*Setting your time zone automatically corrects for daylight saving in that time zone.

- **1.** Check that the crown is in the normal use position.
  - Hold down the A button and the second hand will stop at the 12 o'clock position.
- **2.** Push the B button and select your desired city.
- **3.** Push the C button when the second hand is pointing at your desired city.

The time will be automatically adjusted to that of the selected city.



\*When using in New York City, set the time zone to NYC.

# Time differences between UTC and time zones in all world locations

and time zones in all world locations		
City code	City name	Time difference from UTC
LON	London	0 hours
BER	Berlin	+1 hour
ATH	Athens	+2 hours
RIY	Rijad	+3 hours
TEH	Tehran	+3.5 hours
MOS	Moscow	+4hours
KBL	Kabul	+4.5 hours
KHI	Karachi	+5 hours
DEL	Delhi	+5.5 hours
DAC	Dhaka	+6 hours
YGN	Rangoon	+6.5 hours
BKK	Bangkok	+7 hours
BJS	Beijing	+8 hours
TYO	Tokyo	+9 hours
ADL	Adelaide	+9.5 hours
SYD	Sydney	+10 hours
NOU	Noumea	+11 hours
AUC	Auckland	+12 hours
SAM	Samoa	-11 hours
HNL	Honolulu	-10 hours
ANC	Anchorage	-9hours
LAX	Los Angeles	-8hours
DEN	Denver	-7 hours
PHO	Phoenix	-7hours
CHI	Shicago	-6hours
NYC	New York City	-5 hours
CCS	Caracas	-4.5 hours
SAN	San Juan	-4hours
RIO	Rio de Janeiro	-3hours
AZO	Azores	-1hour

## 8. Checking the time zone

Check the currently selected time zone.

- \*Time zone selection can be carried out in two ways manually, or automatic selection via GPS.
- Please see '7 Selecting the time zone' for information regarding how to select the time zone.
- **1.** Check that the crown is in the normal use position.
  - Press the A button and the second hand will point to the currently selected time zone.
- After pointing to the current time zone for five seconds the second hand will resume normal movement.

## 9. Flight mode

Set your watch to flight mode when you are in an aircraft or any other location where your watch may interfere with the operation of other electronic devices.

GPS reception will not be carried out when in flight mode.

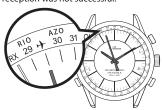
- Check that the crown is in the normal use position.
   Hold down the B and C buttons at the same
  - time and the second hand will point to the mark.
- 2. After pointing to the rmark for five seconds the second hand will return to normal movement.

Checking the reception result while in flight mode will return the mark instead of the OK or NG marks.

When cancelling flight mode, perform a manual GPS reception.

Please refer to '5 Regarding GPS reception (manual)' for carrying out manual GPS reception. \*Carrying out either of 'Receive time information only' or 'Receive both time information and time zone' will cancel

\*In this case flight mode will be cancelled, even when reception was not successful.



flight mode.

The second hand will point to the airplane icon.

## 1 O. Adjusting the position of the hands

Static electricity, magnetism, and shocks may result in movements to the fundamental position of the hands.

There may be a possibility that the fundamental position of the hands is out of sync, when-

- The time is not correct even when the GPS signal is correctly received.
- The second hand does not stop at the correct position (RX, OK, NG, etc) when checking the GPS result.

In such a case, follow the following steps to readjust the fundamental position of the hands.

- Pull the crown.
   (Pulling the crown will stop the movement of the second hand).
- 2. Push the B button to move the second hand forward one second at a time.

  Move the second hand forward until it reaches the upright (12 o'clock) position.
- **3.** Turn the crown to move the hour and minute hands to the 12 o'clock position.
- **4.** Check that the second, minute and hour hands all point upwards (12 o'clock position) and then push the crown.
- Pushing the crown will start a time adjustment based on the time information received at the last GPS signal reception.

Do not perform any other operations until the time adjustment has finished.



## 1 1 . Regarding water resistance

Water resistance degrades over time.

Servicing is required every 2-3 years in order to maintain performance.

Please always keep the crown pushed when you don't need to.

Leaving the watch with the crown in a position which is not correctly pushed may result in water or moisture entering the device and causing damage.

Wipe carefully after contact with salt water or sweat. Not doing so can cause rust and corrosion, leading to device failure or damage.

Such environments can cause changes in shape or damage to the watch, or burns to the wearer.

Please note that damage resulting from water

Do not wear your watch in the bathroom or sauna.

entering the device is outside the scope of the warranty. Please take care.

## 12. Notes on use

Regarding shocks, vibrations and temperature.

Your watch is a precision instrument. Please note that shocks, vibrations, exposure to direct sunlight and high/low temperatures may result in tempo rary time lags, damage, and/or increased battery consumption.

Regarding the battery.

The battery provided at the time of purchase is a monitor battery used for confirmation of opera tion at time of shipping. For this reason battery life may be shorter than normal.

#### Guarantee

A guarantee of six months from the date of purchase is granted on this watch. Within this period, any production defects will be removed free of charge. Should this in our estimation will not be possible or proves to be uneconomical, a replacement will be provided in the form of a watch of the same model or, at our discretion, a similar model. Any damage caused to watches by incorrect use or undue strain is not covered by the guarantee. The strap, glass and if applicable battery are likewise not covered. The same applies if the production rendered illegible. The value of any replacement is limited to the cost of the original model. No liability is accepted for any secondary or consequential damages or losses. Failure to follow the instructions for using or looking after the watch shall be deemed as incorrect use. When making any guarantee claim, please send your watch together with your receipt and properly filled out guarantee card to the retailer from whom you bought the watch.

GUARANTEE	Date of purchase:
Product No.	
Customer's name:	
Customer's address:	