SEIKO

7X52 GPS SOLAR

QUICK START MANUAL

* For details, please read the complete user guide.

7 Features

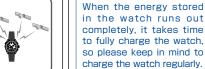
This is a GPS solar watch.

This watch has the following features

This watch can be set to the precise local time by iust one button operation anywhere in the world

This watch quickly adjusts the time by receiving GPS signals from GPS

This watch responds a total of 39 time zones around the world.



This watch operates by solar charging Expose the dial to light to charge the watch. Once fully charged, the watch runs for approximately

When the energy stored in the watch runs out to fully charge the watch,



**Unlike navigation equipment, this GPS solar watch is not designed to constantly receive GPS signals from GPS satellites without any operation. This watch receives GPS signals only in the time zone adjustment mode automatic or manual time adjustment mode.

2 Check the charging status

The indicator hand position shows whether this watch is able or unable to receive GPS signals In-flight mode (¾)
■ Set to the in-flight mode (¾) In addition, for the low charging state, the movement of the second hand shows the energy depletion state in further detail

(X) where the reception * GPS radio signal reception requires a lot of energy. Keep in mind to regularly charge the watch by may influence operation

		2			
ging tus	Solution		Indicator display	М	
	Reception is		4+)	ir m	
ull)	allowed.			Т	

nterval novement second interval movement second interval movement

			100
4+	Level position (middle)	Reception is allowed, but keep in mind to charge the watch.	

expose to light.

Reset the in-flight mode (x) as long as possible. The charging st When the indicator hand points to "E," charge th watch following the above.

has energy to level position so that the watch

have energy to hand points to the level

energy depletion able to continuously operate

is able to receive GPS signals.

Continue to charge the watch

(The position so that the watch is

and receive GPS signals.

3 In-flight mode (\nearrow) (When boarding)

other electronics devices

In the in-flight mode (*X)

the GPS signal reception

in an airplane, etc

work.

(3 sec) within approximately 5 sec after operation of (

→Manual time zone setting (To set the watch to the local time of the destination

* Refer to "Set Daylight Saving Time (DST)," to set Daylight Saving Time (DST)

How to manually set the time zone (3 sec), and when the seco hand has stopped, release The second hand moves

set time zone moves to the next zone.

Manual time zone setting



If the time for pressing it short, the watch will enter button for 3 sec.

minute hands stop moving, press Buttor

The second hand starts

and crown cannot be



(DST) is not correct change over ON/OF with reference to "Set Daylight Saving Time (DST)" after operation

When the hour and

*During movement of the date, the buttons



where GPS signals can be easily received. *While the indicator hand points to "E" or X reception

with good visibility

is not started even with When the hand points to "E charge the watch by expose *To cancel the When the hand points to X

and then release it when the secon

hand moves to the 30-sec position

3 sec after pressing Button

When the second hand ha

Precautions on time zone adiustmen

How to adjust the time zone

When the second hand 4 points to "Y" or "N," Direct the watch face reception is complet

difficult to receive GPS signals displayed for 5 seconds while you are in motion. Then, the hour and minute

and date are adjusted. lepends on the receiving co

The second hand indicates ease satellites

Time Zone Adjustment (When the region or time zone where the watch is used is changed)

time zone boundaries, make sure to check the time zone setting, and manually set the time zone as necessar

GPS signals

the date, the buttons

*During movement of

(DST) is not automatically

set. Carry out the setting

Set Daylight Saving Time (DST)

Davlight Saving Time (DST)

Depending on the area, Daylight Saving Time (DST) is individually set.

Davlight Saving Time means summer time, which is a system to lengther

daylight time by advancing 1 hour when daylight time is long in summer. Daylight saving time has been adopted in about 80 countries, mainly in Europe and North America. The adoption and duration of daylight saving time vary depending on the country.

* Daylight Saving Time is subject to change owing to circumstances of the country or region.

■ Turn ON Daylight Saving Time (DST)

Press Button A

<When DST setting is OFF>

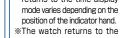


*The time at which the watch

returns to the time display

When the hour and minute hands stop moving

3 the DST setting mode is automatic



5 sec after the hour and minute hands stop moving

■ Turn OFF Daylight Saving Time (DST)

Carry out operation of ① to ③ in the state where Daylight Saving Time (DST)

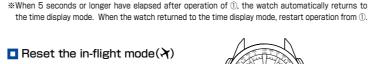
In operation of ②, adjust the indicator hand to the "OFF" position as shown in the figure at the right. The hour and minute hands return by one hour





result (Y or N), and the

< In-flight mode (¾)> The indicator hand points



* When the in-flight mode (*) is reset, the indicator hand indicate the charging status the in-flight mode (>>) can be reset

in an airplane, etc.)

Carry out operation of (1) to (3). 2), when the indicator hand points to "

ON" in the figure at the right.

operation for checking the time zone setting, so make certain to press the

*If the second hand is stopped for one minute or longer, the watch will automatically return to the time display mod

Manual time zone setting (To set the watch to the local time of the destination in an airplane, etc.)

In places where the time zone cannot be adjusted, the time zone can be set manually

Manual time adjustment (To set only the time)

Manual time adjustment



The watch can be set to the precise current time of the currently set time zone (The time zone is not changed.)

How to manually adjust the time

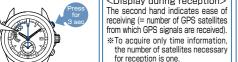
$oldsymbol{2}$ and then release it when the secon

When the second hand reached the O-sec position

The indicator hand points to



the in-flight mode(≯)



"E" or X, reception is not started even with operation for reception When the hand points to "E charge the watch by expose

*To cancel the When the hand points to X, re

When the second hand 4 points to "Y" or "N." Direct the watch face upward and wait

It takes up to 1 mir

hands move, and the time and date are adjusted. Reception Y: N: result display Successful Faile



State

When the time is not correct even if "Y" is displayed, the time zone may not correspond to the region where you are. Check the time zone setting

\mathbf{R} How to set the sub-dial

How to set the sub-dial

- zone of the dial is sub-dial. changed, the time of the sub-dial is not (Hands on the main-dial keep moving.)

The sub-dial moves

displayed for 5 seconds.



Unscrew

Crown locked





Check that the reception is returns to the time display Crown

2 Pull out the crown to 2 the first click 3 Press Button B or Button C

The watch enters the



stop moving.





Turn the crown clockwise pressing it in toward the watch body until it stops.

is kept pressed While pressing the for 2 seconds or longer the sub-dial hour/minute hands will start to move it is pressed again, they

4 Push the crown back in



9 How to manually set the time

How to manually set the time

The second hand moves



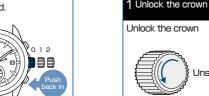
When adjusting the time, the date will be accordingly adjusted.



the second click

to the 13-second position





Pull out the crown

Unscrew !!"

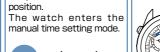
*When the watch enters



Press Button <u>B</u>ol seconds)and then release it when the ⁴ Button C to set the time hand moves to the O-second position

The second hand moves to

· When using the watch again under a condition in which the watch is able to receive GPS signals, receive GPS signals to set the time.



result will be displayed as

results data will be lost.

N." since the reception

* If the watch receives GPS signals after manual time setting, it displays the received time



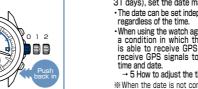
** Even if GPS signals cannot be received, the watch can be used with the same accuracy as a normal quartz watch, (at loss/gain ± 15 seconds per month on average)

*Lock the crown. *The hands will not move by turning the crown. While pressing the

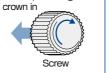
0:00 AM (12:00 PM). consideration AM or PM.

5 simultaneously with time signal)

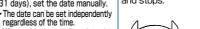
The watch resumes its (when changing from months with 30 days or less to months with normal movement.



when the watch has successfully received GPS signals, the preliminary position of the date may



2 Pull out the crown to the second click



- be misaligned.

 →BASIC MANUAL [Adjust the preliminary positions of the date, indicator hand and hour/

3 to set the date

Please refrain from doing this operation except where GPS signals cannot be received because to

31 days), set the date manually. | and stops.

 When using the watch again under a condition in which the watch is able to receive GPS signals, receive GPS signals to set the → 5 How to adjust the time zone.

 $m{10}$ How to manually set the date

Precautions on the setting the date manually

may cause the preliminary position of this watch misaligned

How to manually set the date

minute hands] P.55 ~ 56 data will be lost. 1 Unlock the crown

Unlock the crown

2 Press Button B or Button C 4. Push the crown back it



*When the watch enters

the manual time setting mode, the reception result While pressing the

Operation has been

will be displayed as "N since the reception results

*The date will not move by turning the crown.

*During movement of the date, the buttons cannot be operated.

1 Instructions for Receiving Leap Second Data on Seiko Astron GPS Solar Watch

Thank you for purchasing a Seiko Astron Watch. This watch enters the "leap second data" receiving mode after the first GPS signal is received on or after December 1st and June 1st.

It is conducted every six months whether the leap second data is put into effect or not. This process occurs automatically so no special operation is required from the user. The process of receiving the leap second data takes longer than the regular time adjustment. Be sure to complete receiving the leap second data in an environment where a GPS signal can be received, such as outdoors. watch can be set to the precise current time and calendar by automatically receiving GPS signals.

The process of receiving leap second data

Although this movement is different from the normal time display, it is not an indication that the watch is defective.



The second hand begins moving counter-clockwise an displays the countdown in minutes until leap second data it

reception of the leap second data beging. When reception good, the second hand moves to the 1 o'clock position and th watch acquires the data (within approximately, one minute). If the reception was successful, the second hand points to the Y position indicating successful data transfer.

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*When the second hand points to the one-second position, it is indicating that one minute is required before the watch begins receiving the leap second data. At this time, it is recommended that you remain in an environment where a GPS signal can be received, such as outdoors.

*Please refrain from button operation while the watch is in the data receiving mode.

The watch will repeatedly enter the "leap second data" receiving mode until the process is successfully completed. During this time, no time adjustment will take place. In the event that the attempt to receive leap second data is unsuccessful, indicated by position N (not successful), it is recommended you move to a place where a GPS signal can be easily received, such as outdoors, and complete the process of receiving time data and then leap second data through a GPS signal by pressing and holding button B for 3 seconds.

For details, please read the Basic Manual (P.18)

About Leap Second

The leap second is to compensate for deviations from the "Universal Time" (UT) which is astronomically determined and the "International Atomic Time" (TAI). 1 second may be added (deleted) once a year or every few years at the end of June or December

ASTRON