

QST Self-Calibrating Watch User Manual

1. Basic Information

1.1 Features

This watch can be calibrated and corrected through Time Calibrator Software with features as follows:

- Calibration and correction (Time Calibrator Software is needed) : For the watch to receive time signals from the Time Calibrator software on the computer or smartphone application to calibrate the watch so as to obtain high accuracy.
- Automatic calendar adjustment (2013-2099)(year/month/day/hour/minute/second/week)
- Calendar and week display (indicated by second hand) : The date and week can be displayed anytime.
- Indicators adjustment: Deviated hands due to high magnetic fields or strong strikes can be set to normal through a computer or smartphone.

1.2 Tech Specs

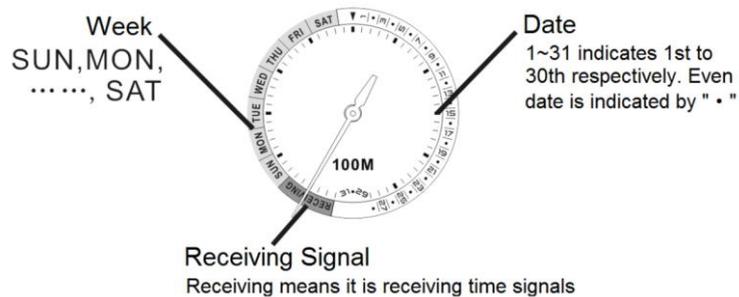
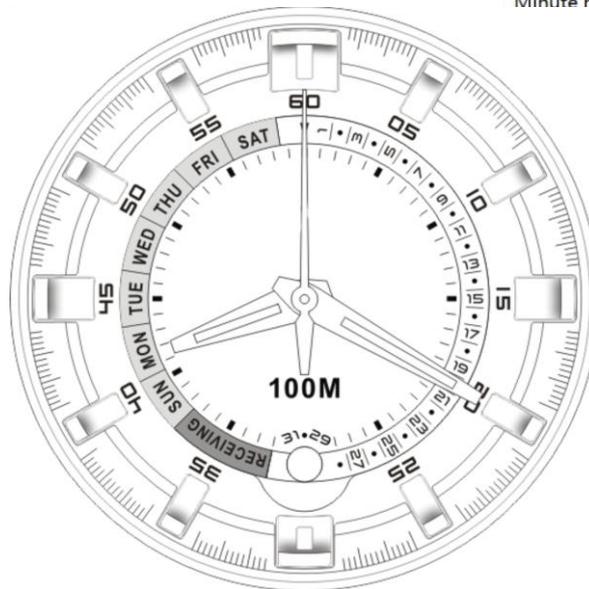
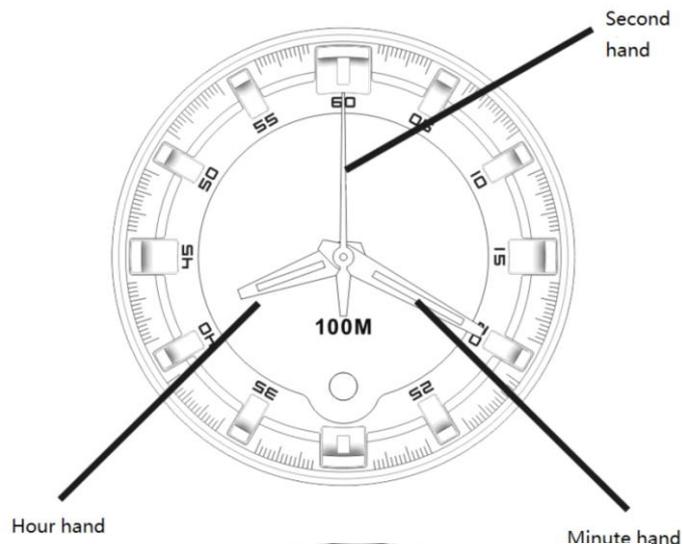
- Battery: CR2032 (3V, 210mAh)
- Battery life: 5 years
- Precision **under normal temperature**: ± 5 seconds per month

The watch adopts DFC system (Digital Frequency Control) . To measure the monthly deviation of a furnished watch, the cycle should be set to be 64 seconds or multiples of 64 seconds. When in actual use, the cycle can be set at 60 seconds to get an approximate monthly error.

- Operating temperature: 0°C ~ 50°C
- Water resistance: 10ATM

1.3 Dial Display

The dial is composed of the inner and outer rings. The outer ring indicates time, namely hour, minute and second with scales on it; the inner ring indicates date, week and receiving status with scales on it.



2、 Watch Operating Instructions

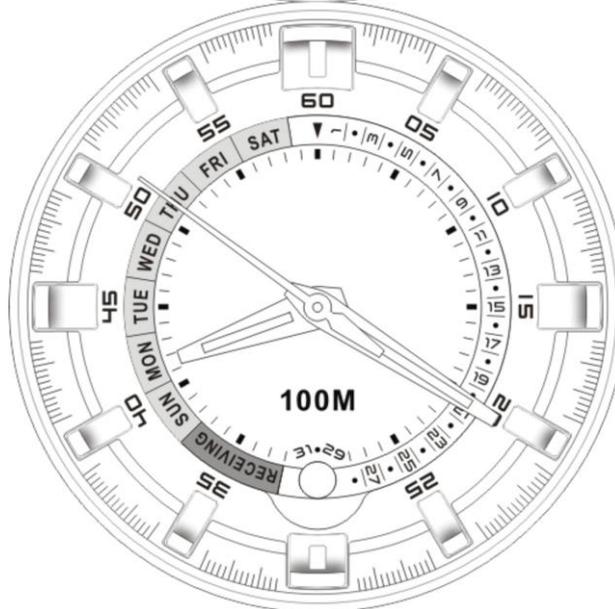
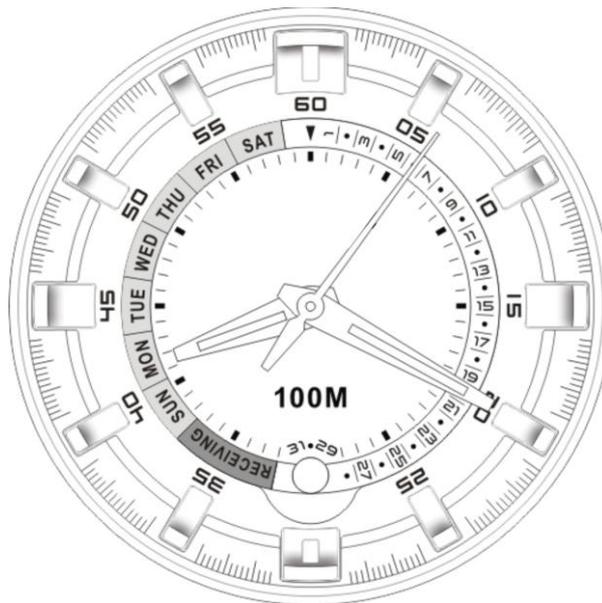
The second hand indicates most of the features of the watch. There are three operating statuses for the second hand: (1) normal movement (one scale per second); (2) rapid movement (forward or backward); (3) standing still.

There is only one button on the watch with two operation methods: press, and press and hold (press it for 2 seconds until the second hand stops moving and release it).

When the second hand is in rapid movement, pressing the button will not work; when the second hand stays still, set the watch back to normal by pressing the button (one or two times).

2.1 How to Check Date and Week

1. Check date—While in clock mode, press the button once. The second hand will move rapidly and eventually stop where the current date is. See Picture 2-1-1.
2. Check week—While in date mode, press the button once. The second hand will move rapidly and eventually stop where the current week is. See Picture 2-1-2.

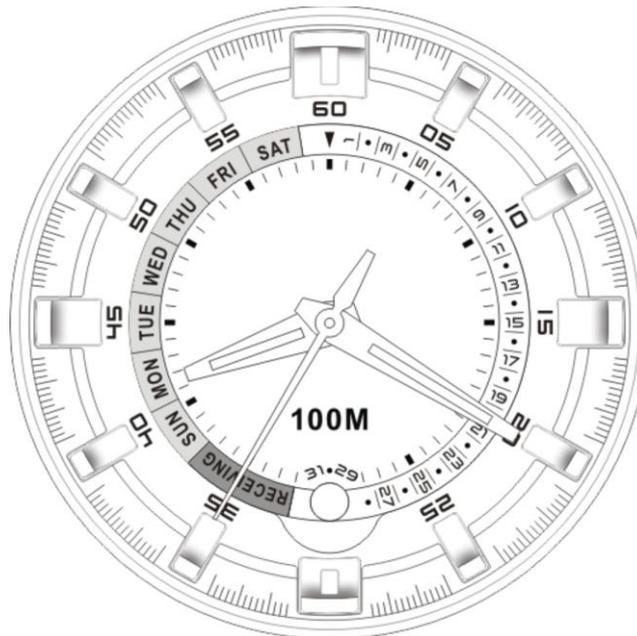


Characters	Indication
SUN	Sunday
MON	Monday
TUE	Tuesday
WED	Wednesday

THU	Thursday
FRI	Friday
SAT	Saturday

2.2 How to Receive Time Signals

While in clock mode, press the button and hold it for 2 seconds. When the second hand stops moving, release the button. It will move rapidly before stopping on the "RECEIVING" area (the second hand will stop, pointing to "35" if not deviated and if it stops elsewhere, it needs correction. Refer to 2.3). Please look at Picture 2-2-1.



Double click on "Time Calibrator" software in the PC or smartphone to display the Time Calibrator screen. Time Calibrator will start to receive a signal automatically from the Internet standard time station. Touch the watch face onto the LCD monitor and make sure it is within the calibration area. Please click "Calibrate" in the software screen and the screen will start to flash. When the flash is over, check the watch. Successful calibration will be signaled by rapid or normal movement of the second hand. If not, go through the process once again. Please look at Picture 2-2-2 and Picture 2-2-3. For detailed operation instructions of the watch, please go to the official website.

2.3 How to adjust hands

While in clock mode, press the button and hold it for about 2 seconds. Don't release it until the second hand stops. Then it will move rapidly before it stops somewhere. Please look at Picture 2-3-1.

Double click on "Time Calibrator" software in the PC or smartphone to display the Time Calibrator screen. Time Calibrator will start to receive a signal automatically from the Internet standard time station. Then enter "Adjust Hands" (Setting -> Adjust Hands) and input the current time shown by the watch, e.g. 12:00:00.

Then touch the watch face onto the LCD monitor and make sure it is within the calibration area (for PC software) or hands adjustment area (for smartphone software). Please click "Adjust

Hands" in the software screen and the screen will start to flash. When the flash is over, check the watch. Successful adjustment will be signaled by rapid or normal movement of the second hand. Go through the process once again otherwise.

Picture 2-3-2 and Picture 2-3-3 are reference diagrams for PC and smartphone software respectively. For detailed operation instructions, please refer to the help manual that comes with the software.

2.4 Q&A

2.4.1 Failure to receive time signals

(1) I use the PC software and fail to receive time signals.

A. Is your software version correct? Please use V5.0 or above.

B. If you are using the old CRT display, you can't receive time signals.

C. Is your screen brightness too low? Please adjust it.

(2) I use the smartphone software and fail to receive time signals.

A. Is your software version correct? Please use V1.1 or above.

B. The software may be incompatible with the operating system of your smartphone.

2.4.2 Wrong Display of Calendar and Week

The calendar and week indicated by the second hand are wrong. For example, it is Date 2 but the hand indicates Date 3, demonstrating that the hand has been deviated resulting from the following causes:

1. The watch has experienced strong magnetic-field interference or a powerful impact (e.g. fall).

In this case, the hands can be set to normal through hands adjustment. Please refer to 2.3

2. Battery power is low, so the watch is not operating properly.

Please replace the battery. When the battery power is low, even if the hand is adjusted, it will deviate after a while.

2.4.3 Wrong Time after Calibration

After calibration, the time shown on the watch is not the same as that on the PC software, indicating the hand has been deviated. Please refer to 2.4.2.

2.4.4 Function Failure of Calendar and Week

After replacing the battery, if you don't adjust the hands, week and calendar function will not work. Please adjust hands as soon as you have replaced the battery.

2.4.5 Abnormal Movement of the Second Hand

When in clock mode, the second hand walks less than 60 seconds.

When the second hand moves rapidly forward or backward, it gets stuck.

In either case, please replace the battery.

2.4.6 Software Support System

Windows Systems: Windows XP, Windows Vista, Windows 7

Android Systems: Android 1.6 or above

Temporarily incompatible with Mac OS and iOS. Further development will be made.