



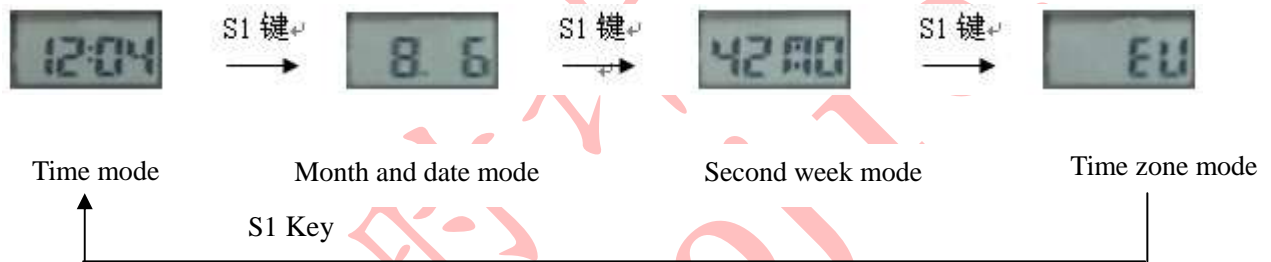
—— (S1 Key) MODE/RCC
 —— (S2 Key) ADJ

A . Features

- Four groups of time function, LCD display for hour, minute with analog time display
- Fully auto calendar
- Radio controlled signal receiving 77.5KHz (DCF)
- Receive Radio controlled signal per day at 3:00 am automatically.
- 24 hour time format display
- Daylight saving time(DST) function

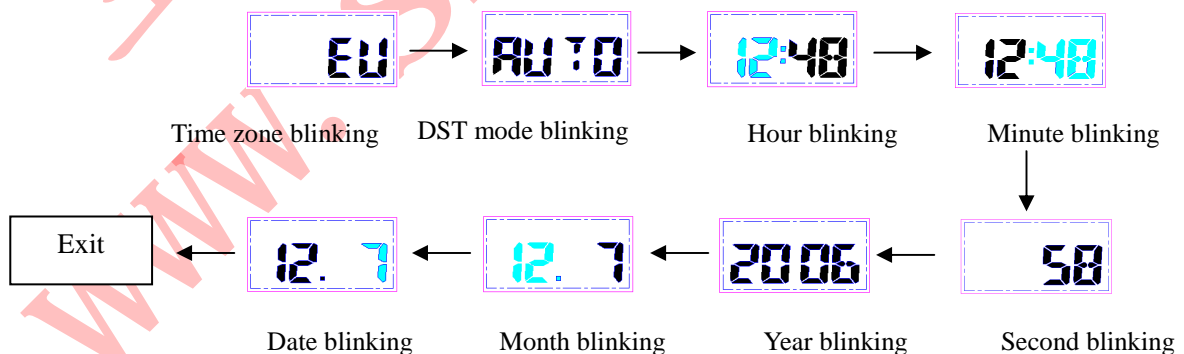
B . Product function mode

- Under normal time mode, press 1 can check date, second/week, time zone (Refer to below) :



1. Time setting mode:

- Under time mode, press and hold S2 for 3 seconds, the analogue hand stop running along with the time zone blinking. If without any keystroke within 1 minute, it will exit the setting mode. The analogue time will retrieve and synchronize with the LCD time , press S2 key while the time zone blinking to select the following steps in turn :



- When “Time”、“DST”、“Minute“Year”、“Month”、“Date” is blinking, press S1 to adjust relative value. The analogue hand will retrieve and synchronize with the LCD time after adjust and exit the setting mode.
- **Time zone setting:** Under time zone blinking mode, Press S1 to EU (indicates Germany DCF zone) please reference to below table indication for time zone

- **DST setting:** Under DST blinking mode, press S1 key to select ON along with “DST” symbol display, select OFF to turn off, no “DST” symbol will display. Select AUTO to turn on or off and receive DST automatically while receiving the radio controlled signal(DCF frequency can transmit and synchronize with DST time automatically, while WWVB frequency need to set the DST manually)

2. Manual RCC receiving

- Under normal time mode, press and hold S1 for 3 seconds start to receive the time signal manually, the signal tower(**Y**) start flashing, four sections of signal symbol (**||||**) show strength signal. RC tower will display if received successful, otherwise it will not. If with slight or without signal, it will stop receiving within 3 minutes.

3. Auto RCC receiving

- The time signal will be checked daily at local time 3:00AM automatically, if failed, it will received auto at 4:00 AM. It will receive auto at 5:00AM if failed again, it will stop auto receiving if failed over 3 times, and will not start receiving until the next day at 3:00AM. If received successful at 3:00 AM, it will not receive at 4:00 AM and 5:00AM.

C. analog movement assembling request

- Use a metal stick to touch the AC import after insert battery, assemble hour ,minute, second hands, and must keep these three hands overlap at 12:00, this step must be finished within 1 minute, the watch will enter RC signal receipt automatically. The analog time will retrieve and synchronize with LCD time automatically.

D. Note

- It's normal operation that three hands run fast when setting time. it will stop running fast auto when its time retrieve and synchronize with LCD time.

E. Notices

1. The RC receiving signal settled beforehand have three groups: AM3: 00 、AM4: 00 、AM5: 00。
2. This watch will receive RC signal to synchronize time automatic everyday within 24 hours
3. Time signal receiving for RC is 10 minutes, it will stop receiving auto if failed within 10 minutes.
4. To make sure better signal , we advise taking your watch near window when receiving .

F. Advices

- If using steel back case, we advise matching with glue dial plate or paper dial plate
- If using glass back case, we advise matching with copper dial plate.

G. Specification

- Dimension : Φ 33.2mm
- Thickness : 6.9 mm
- Working temperature : -10°C ~+60°C
- Working voltage : 3.0V
- Time accuracy : \pm 60s/month
- Battery type : CR2032(capacity:220m Ah)
- Maximum signal receipt current : \leq 70 u A
- Average static drive current : \leq 1.93u A (Maximum static drive current: \leq 15.0 u A)
- RCC average current receiver : \leq 38.77u A (RCC received the maximum current: \leq 60.0u A)
- RCC sensitivity (movement only) : \leq 45dBuV/m (\leq 180 u V/m)
- Battery life(90%) : \geq 24 months
(RCC signal receipt once a day for 10 minutes)

Re: Time zone table indication

Time Zone	Symbol on LCD display
UTC-12H	-12H
UTC-11H	-11H
UTC-10H	-10H
UTC-9H	-09H
UTC-8H	US-P (WWVB)
UTC-7H	US-M (WWVB)
UTC-6H	US-C (WWVB)
UTC-5H	US-E (WWVB)
UTC-4H	-04H
UTC-3H	-03H
UTC-2H	-02H
UTC-1H	-01H
UTC	UK (MSF)
UTC+1H	EU (DCF)
UTC+2H	2H
UTC+3H	3H
UTC+4H	4H
UTC+5H	5H
UTC+6H	6H
UTC+7H	7H
UTC+8H	CN
UTC+9H	JP (JJY)
UTC+10H	10H
UTC+11H	11H
UTC+12H	12H

Notice for repairment:

1. The movement must be synchronized after replace the battery.

- Under low voltage using, Replace it with new battery .
- After insert the battery ,the LCD display 00:00 and blinking, the analogue movement will not work at the moment. If the three hands are not overlapped at 12 :00:
- Press S1 once, second hand advance 1 second, press S1 repeatedly till all three hands overlapped at 12:00
- Press and hold S1 key for 3 seconds to advance fast. when hand reach at 12:00, press S1 again to stop, then press S1 key again to advance slowly.
- Press S2 once to start signal receiving, if the RC signal received successfully, ,the analog hands will run fast ,then retrieve and synchronize with the LCD time.

2. Auto correction

Under normal time or reset mode:

Press and hold S2 for 7 seconds, the analog hands will run fast ,and then stop till three hands overlapped at 12:00, if without any keystroke within 1 minute, it will enter RC receiving mode . If the hands stopped and not overlapped at 12:00, the analog movement may defected or have a bad assembly.

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日 期	11/10/08	11/10/08	11/10/08