

LIGHT (A Key) ———



(D Key) RESET/RCC

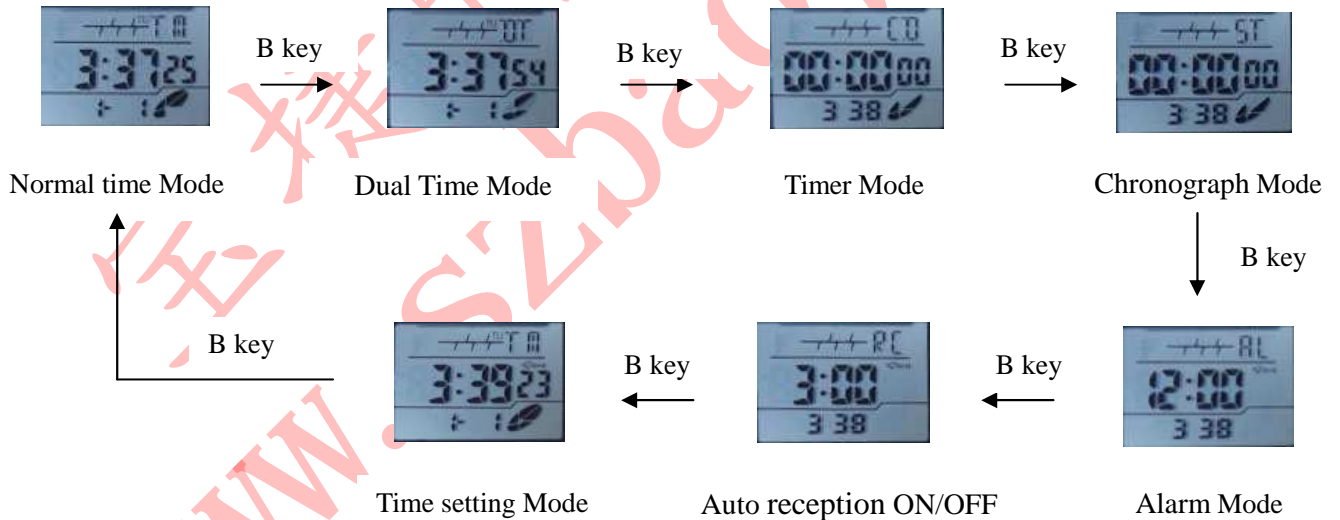
MODE (B Key) ———

(C Key) 12/24H
START

A . Features

- 12 Digits LCD Display, Display Hour ,Minute ,Second ,Year(2000~2099),Month ,Day and Week
- Daily Alarm and Chime hourly
- Dual Time
- Timer
- RCC electric-wave incept frequency 77.5KHz (DCF)
- auto and manual receive RCC signal
- 12 / 24H format selectable, Auto Calendar
- 1/100 second Chronograph
- EL backlight

B . Operational Manual



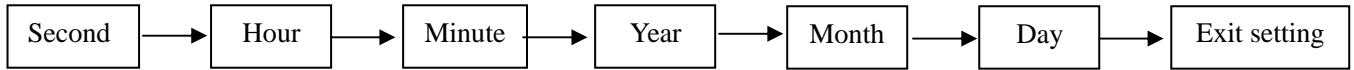
1. At any state, press A key EL backlight for 3s.

2. Time function

- At normal time mode, press D key to check year, Press D key return to time mode.

3. Dual Time function

- dual time can setting : “hour”、 “minute”、 “second”、 “year”、 “month”、 “day”。
- At dual time mode, press D key to check year, Press D key return to dual time mode.
- In the dual time mode, hold down D until the “seconds” start to flash, which indicates the setting screen.
- Press D to move the flashing in the sequence shown below to select other settings:



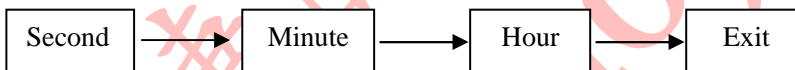
- Press C key to adjust the flashing item.
- The day of the week is automatically displayed in accordance with the date (year, month, and day) settings.
- If there is no key operation for 60 second, Setting Mode will be exit and returned to Normal Time Display Mode.

4. Counting down function.

- The counting down setting range is from 1 second to 99 hours, when counting down to 0:00:00,the bell will ring for 20 seconds, press any key to stop ringing, it will back to the original settled time when finish ringing.
- After counting down settled, press C key to start counting down, during counting down process ,press C key to pause, press C key again to resume the counting down
- To stop counting down completely, press C key to pause first ,then press D key to return to the initial settled value

➤ Counting down timer setting:

1. In the countdown timer mode, hold down D until the “seconds” start to flash, which indicates the setting
2. Press D to move the flashing in the sequence shown below to select other settings:






3. Press C key to adjust the flashing item.
4. To set the starting value of the countdown time to 24 hours, set 00: 00.
5. If there is no key operation for 60 second, Setting Mode will be exit and returned to Normal Time Display Mode.

5. Chronograph function

- The display range of the Chronograph is 23 hours, 59 minutes, 59.99 seconds.
- The stopwatch continues to run; restarting form zero after it reaches its limit, until you stop it.
- The stopwatch measurement operation continues even if you exit the stopwatch mode.
- Exiting the stopwatch mode while a split time is frozen on the display clears the split time and returns to elapsed time measurement.
- Press C key to Start/Stop running; when stop press D key to zero.
- When running, press D key to split count, Then press C key to exit split count ,and stop counting, When exit split count ,press D key to display all counts ; and press D key again to zero.

6. Alarm function

➤ To turn the alarm and hourly time signal on and off:

1. Turn On / Off Alarm and Chime
Press C key to turn on/off Alarm () or Chime ().
2. The alarm on indicator () flashes while the alarm sounding.
3. The alarm tone sounds at the preset time for about 30 seconds.
4. The alarm on indicator and hourly time signal on indicator are displayed in all modes.

- **Snooze:** When Alarm ringing, press B ,C or D key to stop along with snooze on automatically, alarm ringing 5 minutes again after 30 seconds, Snooze function will off automatically if without press B ,C or D key after alarm ringing 30 seconds .
- **To set an alarm time:**
 1. In the alarm mode, hold down D until the “hour” start to flash, which indicates the setting.
 2. Press D to move the flashing in the sequence shown below to select other settings:



3. Press C key to adjust the flashing item.
4. If there is no key operation for 60 second, Setting Mode will be exit and returned to alarm Display Mode.

7. RCC Auto reception ON/OFF

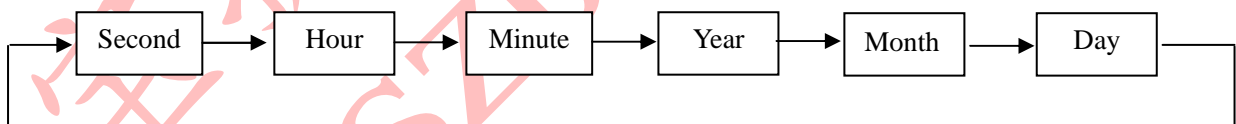
- Receiving RCC signal automatically, Under Auto RCC setting mode, press D key 3second, Press D key to select "Hour" or "Minute" flashes, Press C key to adjust the flashing item., Press D key to confirm.
- If there is no key operation for 60 second, Setting Mode will be exit and returned to alarm Display Mode.

8. Manually Reception function

- At normal time mode, press D key 3second, when enter in to RCC reception mode, the symbol (📶) display and blink, if signal received success, the symbol (📶) with three paces of signal items blinking , after adjust automatically, those signal and tower will keep in the display, if RCC reception failed , then no signal items display and blink around the tower.

9. Time setting function

- "Second " flashing when loading, Press D to move the flashing in the sequence shown below to select other settings:



- Press C key to adjust the flashing item.
- Press B to exit the setting screen.
- The day of the week is automatically displayed in accordance with the date (year, month, and day) settings.
- If there is no key operation for 30 second, Setting Mode will be exit and returned to Normal Time Display Mode.

C. Importance clew

1. The RC signal receiving default time at AM3: 00
2. This product will receive RC signal and correct time after 24 hours every day.
3. Time for RCC receiving is 5 minutes, if without signal within 5 minutes, it will stop receiving automatically.
4. To make sure better receiving result, we advice taking your watch near window.

D. Specifications

- Module Size : $\Phi 33.20\text{mm}$
- Module Thickness : 7.65mm
- Operational Temperature Range : $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- Operational Voltage : 3.0V
- Accuracy : $\pm 30\text{sec/month}$
- Battery Code : CR1620(capacitance: 78m Ah)
- static average current : $\leq 4.60\mu\text{A}$ (static maximum current : $7.50\mu\text{A}$)
- Alarm average current : $\leq 1.35\text{mA}$ (Alarm maximum current : 5.5mA)
- EL lighten average current : $\leq 6.21\text{mA}$ (ELlighten maximum current : 10.0mA)
- RCC average receiver current : $\leq 79.10\text{mA}$ (RCC received the maximum current : 100.0mA)
- RCC receiver sensitivity(bare mobile phone) : $\leq 52\text{dB}$
- Battery life : ≥ 15 month(Japan Lithium)

(4 times a day bright light, bright 3 seconds each, a total of 12 seconds of light; daily alarm for 20 seconds; RCC receives 5 minutes a day)

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	Prepared	Checked	Approve
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Date	13/10/11	13/10/18	13/10/18