

LIGHT ( **Key A** ) ———



———— ( **Key D** ) START

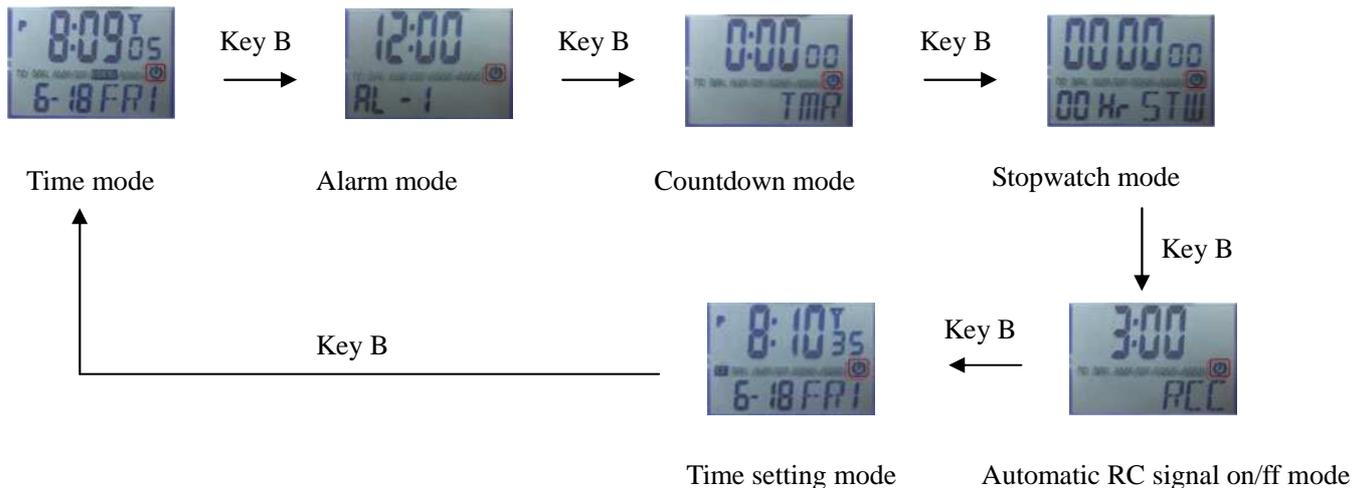
MODE ( **Key B** ) ———

———— ( **Key C** ) RESET/RCC

## A. Product features

- 12-digit timekeeping, display hour, minute, second, day, month, year (2000-2049) and week.
- 12/24 hour format selectable, fully automatic calendar.
- 5 groups of alarm and chime hourly
- Countdown
- Automatic and manual receive RC signal
- Double band frequency automatic transformation
- Dual time
- 1/100 second stopwatch
- Key tone
- EL backlight

## B. Product Function Mode



1. In the non-setting mode, press key B to select the operating mode. Press key A in any mode, EL light for 3 seconds.

### 2. Timekeeping function

- At timekeeping mode, press key D to switch dual time or normal time;

### 3. Alarm function

- Alarm setting, press key C to select any one from five groups of alarm rings in turn: AL-1, AL-2, AL-3, AL-4, AL-5.
- Press and hold key C for 3 seconds, “Hour” flashing; press key C “Minute” flashing; press key D to adjust the figure and press key B to confirm.
- At alarm mode, press key D to turn on/off alarm and chime; press key D to perform the following functions in turn: Alarm (ALM) on—CHI on—ALM/CHI both on—ALM/CHI both off.
- When alarm time is reached, alarm clock will ring for 30 seconds and then automatically stop, then the snooze function will turn on automatically.
- When alarm is ringing, press key C or D to turn off snooze function.

#### 4. Countdown

- At countdown mode, press key D to start/stop count down; at countdown stop status, press key C to return to zero.
- Countdown time setting:  
At countdown mode, press and hold key C for 3 seconds, “Second” flashing; re-press key C, “Minute”, “Hour” flashing in turn. When corresponding unit is flashing, press key D to adjust the figure and press key B to confirm.
- Maximum countdown time is 99 hours 59 minutes 59 seconds. when the countdown time reaches zero, the alarm will ring.

#### 5. Stopwatch

- Time range of stopwatch is 99 hours 59 minutes 59.99 seconds.
- Stopwatch time start from 0.01 second.
- At stopwatch mode, press key D to start second run; re-press key D to stop second run. At this time press key C to return to zero.

#### 6. Automatic RC ( radio controlled ) signal receiving

- At automatic RC signal receiving mode, press key C to turn on/off automatic receiving function; when turned on,  icon will display on LCD display; when turned off, the  icon will disappear from LCD display.

#### 7. Manual RC signal receiving

- At normal time mode, double frequency icon point at 60K (  ), this indicates that JJY60 signal will be received first; press and hold key C for 3 seconds to enter manual RC receiving status, signal tower icon  is flashing on LCD display. If the watch received JJY60 successfully, the three intensity bars of radio signal  will display in turn. After minutes when signal is received, the signal tower will stop flashing and keep on the LCD display;  
If no signal is received within 5 minutes, then the double frequency icon will point at 40K (  ) to continue receiving JJY40 signal. If no signal is received in another 5 minutes, the watch will give up receiving automatically. At this time, signal tower icon stops flashing on LCD display and no intensity bar will be displayed. If signal is received successfully, signal tower icon will stop flashing and keep on the LCD display.  
(Note: At normal time and dual time mode, whether RC signal received or not, the signal tower icon  will keep displaying on the display.)

#### 8. Time Setting Mode

- At time setting mode, “Second” flashing, press key D Second return to zero; press key C to select “Hour”, “Minute”, “Year”, “Month”, “Day”, “Daylight Saving Time (ON/OFF)”, “12/24 Hours Mode” in turn. When corresponding unit is flashing, press key D to adjust the figure and press key B to exit.
- Day of week will be updated automatically.

#### 9. Dual Time Setting

- At normal time mode, press key D to enter dual time mode (T2), and then press and hold key C for 3 seconds “Hour” flashing, press key D to adjust the figure and press key B to exit.

### C. Important tips:

1. The internal set time for automatic RC signal receiving by this watch is AM3:00.
2. The watch will automatically turn on the signal function every 24 hours to calibrate the time.
3. The time of receiving radio is 10 minutes. If no signal can be received within 10 minutes, then it will automatically give up receiving.
4. To ensure receiving effect, we advise user to put the watch near the window
5. We advise to turn off the auto RC receiving function if no need , so as to save the battery life.

## C. Specifications

- Module Size :  $\Phi 33.2\text{mm}$
- Module Thickness (include buzzer) : 8.9mm
- Operational Temperature Range :  $-10^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- Operational Voltage : 3.0V
- Accuracy :  $\pm 60\text{sec/month}$
- Battery Code : CR2025(capacitance: 170m Ah)
- static average current :  $\leq 4.46\mu\text{A}$  (static maximum current : 5.5uA)
- Alarm average current :  $\leq 1.94\text{mA}$  (Alarm maximum current : 7.5mA)
- EL lighten average current :  $\leq 8.52\text{mA}$  (ELlighten maximum current : 10mA)
- Receiving RCC Average Current :  $\leq 80\text{mA}$  (Receiving RCC Maximum Current: 94 uA)
- Receiving RCC sensitivity (movement only) :  $\leq 48\text{dbuv/m}$
- Battery life(90%) :  $\geq 24$  month(Japan Lithium)

(alarm for 60 seconds per day; EL light for four times, each time 3 seconds, 12 seconds in total; RCC radio receiving once for 10 minutes per day)

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