

# RT3122LED time display + projection + wireless charging + temperature

## 1. Main features:

### 1. LED time display

2. 6 levels of brightness selection, the default is high brightness, single press SNZ/light key to switch the brightness sequence from bright-medium-dark-off On... Cycle.
3. 7 function buttons: SET, UP, PROJECT, DOWN, SNZ/LIGHT, C/F, AL1.2.
4. 4-digit time display: hours, minutes
5. Two and a half digit temperature display
6. Temperature detection range: 0°C (32F) ~ 50°C (122F)
7. Power on 12H/24H system selection point, default 24H system
8. Start-up temperature unit °C/F selection point, default °C
9. The default clock display is 0:00 when the computer is turned on.
10. Dual alarm clock AL The default display is 6:00 (00:00)

### 11. Two alarms

12. Snooze function, adjustable delay alarm from 5 to 60 minutes

13. Working voltage: 5V (the product is always on when powered by the power cord; it is only used for memory function when powered by battery).

## 2. Power on or reset

1. All LEDs are displayed for 5 seconds, and then the system enters the standard mode after a BI sound.

2. When the alarm is on, disconnect the AC power and only the battery will supply power. Reconnect the AC power and the alarm will continue to sound.
3. The battery is powered separately, retaining only the memory and travel time functions.

In the standard display state, press the down or F/C key to display the month/day

## 3. Operation instructions:

### A. Time setting:

1. When the time is displayed, the “:” does not flash.
2. In standard mode, press SET key to enter setting mode, the sequence is “year-month-day-hour-minute-12H/24H--Snooze time setting of 5~60 minutes”.

3. When setting, press the UP key once to increase by one, long press the UP key to increase by one quickly (8 steps/second), press the DOWN key once to decrease by one, long press the DOWN key to decrease quickly (8 steps/second).

Press the DOWN key to decrease quickly (8 steps/second).

>Set the snooze time. The default snooze time is 5 minutes. "05" flashes on the display. Press the UP or DOWN key to

To set the timer from 5 to 60 minutes, press the UP button once to increase the minute by one, and press and hold the UP button to increase the minute quickly (8 steps/seconds), press the DOWN key once to reduce the minute by one, and long press the DOWN key to reduce the minute quickly (8 steps/second)

4. In the setting mode, the set object will flash.
5. If there is no button operation, the setting mode will be exited in 10 seconds.

### B. AL Settings:

1. In standard mode, press the "AL1.2" key to enter the alarm setting mode. The setting item will be displayed and flashing.  
The sequence is as follows: AL1 hour setting → AL1 minute setting → > AL1 ON/OFF alarm setting → AL2 hour setting  
>AL2 Minute setting →>AL2 ON/OFF alarm setting.
2. When AL1 and AL2 are turned on, the LCD will display AL1 and AL2 characters. When they are turned off, they will not be displayed.
3. When setting the hour and minute, press the UP button once to increase the hour by one, long press the UP button to increase the hour quickly (8 steps/second), and press once to increase the hour by one.  
The DOWN key will reduce the hour by one. Long press the DOWN key to reduce the hour quickly (8 steps/second).
4. When setting the alarm mode, the default display is "OFF". Press the UP or DOWN key to switch the display to "bu" - "OFF".  
“Bu” means the alarm sounds BIBIBI; OFF means turning off the alarm.

### Alarm and Snooze:

When the alarm sounds, the alarm symbol "AL1/AL2" flashes.

Snooze function: When AL1/AL2 is sounding, press the "SNZ/LIGHT" button to stop the alarm and enter snooze mode.

The default setting is 5 minutes. The number of snoozes is unlimited. When the alarm is sounding, in addition to pressing the "SNZ/LIGHT" key, if you press

Pressing other buttons turns off the alarm and the alarm symbol stops flashing.

5. In the setting mode, the set object should flash.
6. After setting, the alarm will be automatically turned on and the alarm symbol AL1/AL2 will be turned on.

### C. Alarm format:

1. When the buzzer sounds:

1. The alarm will sound BI BI-----for 2 minutes. If no operation is performed, the alarm will be turned off after 2 minutes.

Same style.

2. SNOOZE: When AL1 or AL2 sounds, if no button is pressed, the ALARM will sound for a maximum of 2 minutes.

Note:

- 1) When the alarm times of two ALARMS are different, the latter ALARM will cover the former ALARM.

The ALARM stops ringing and the alarm symbol stops flashing (i.e. the alarm symbol flashes when it is ringing and the symbol stops flashing when it is not ringing).

The number cannot flash)

- (2) When the alarm times of the two ALARMS are the same, the ALARM1 symbol flashes, the ALARM2 symbol does not flash, and the alarms

Press ALARM1 to execute the mode, press the SNOOZE button, ALARM1 will sound again after 5 minutes, and the ALARM1 symbol will flash.

- (3) When one ALARM is in the SNOOZE waiting state, and another ALARM sounds, the previous ALARM in the SNOOZE state is stopped.

Run the following ALARM

Example: AL1 is set to 7:00, AL2 is set to 7:05, and when it reaches 7:00, AL1 starts to sound.

Press SNOOZE at 7:01

Press the SNOOZE button to start the SNOOZE function. When the time reaches 7:05, AL2 starts to sound. At this time, AL1 and SNOOZE

To be stopped.

### D. Brightness selection

1. When the power is turned on or reset, the default setting is the brightest level of manual dimming. Press the "SNZ/LIGHT" key to switch the brightness order.

100%-80%-60%-40%-20%-0%-cycle.

### F. Temperature display

1. The default temperature unit is °C. Press and hold the DOWN key to switch the temperature unit to °C/F. The temperature range is 0°C--- +50°C,

Error: +-1.5%

(1) The default temperature unit is °C. Press and hold the c/f key for 2 seconds to switch the temperature unit.

(2) Note: The temperature is based on the normal non-charging state (the temperature rise will be about 2°C higher when the phone is charging)

## J. Projection function: display time

1. In standard mode, press the PROJECT button to start the projection function. The projection light is high. Press it again to turn off the projection light.

Press again to turn off the projection function.

2. When the projection function is on, long press the PROJECT button and the projection image will rotate 180 degrees.

## K. Other functions:

1. During the setting process, if no key is pressed for 10 seconds, the current setting will be automatically confirmed.

2. When the display screen is off, only pressing the SNZ/LIGHT button is effective, and pressing other buttons is ineffective.

## L.USB output function:

When powered by an external power source, the USB output can be used to charge mobile phones or other electronic devices, with an output voltage of 5V.

Battery: 1.5V\*2 (battery is only for memory)

External power supply: 5VDC 2A, 5VDC 3A, TYPE-C interface power adapter.

## 4. Description of wireless charging applicable models:

Wireless charging is applicable to Qi-compliant Android smartphones and Qi-compliant Apple smartphones.

Such as: compatible with QI standard IPHONE8 mobile phone, IPHONE13 mobile phone, Samsung mobile phone, OPPO mobile phone, Huawei mobile phone machine.

How to use: Place the phone charging coil on the charging area on the top of the case. When charging starts, wait for the phone to display the charging icon.

External power supply: 5VDC 2A, 5VDC 3A, TYPE-C interface adapter.

## Wireless charging features:

Supports 5W, 10W and 15W multi-level power output modes.

◆Support QC2.0, AFC, PD2.0 and other fast charging protocol input requests

◆Dual decoding modules, high anti-interference ability and high reliability.

◆Comprehensive safety protection: integrated overvoltage, undervoltage, overtemperature and overcurrent protection.

## DC Characteristics:

parameter	symbol	condition	minimum	Typical value	maximum	unit
Working voltage range	VDD		4.5	5	5.5	V
Low voltage protection voltage	L_OVP	VDD=5.0V 25°C		4.3		V
High voltage protection voltage	H_OVP	VDD=5.0V 25°C		13.0		V

Compatibility: Compatible with PD2.0, QC 2.0, QI wireless receiving products

#### FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception,

which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.