

RCW-360 Plus 4G

USER MANUAL



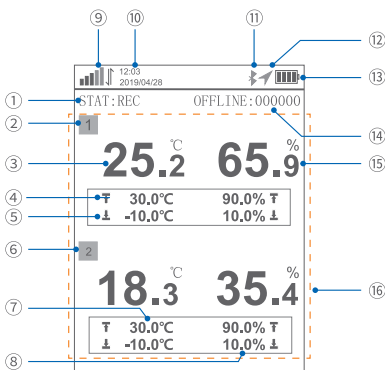
I. Overview







This product is a wireless Internet of Things monitor, providing such functions as real-time monitoring, alarm, data recording, data uploading, large screen display, etc. of temperature and humidity at monitoring points. Together with the "Elitech iCold" platform and APP, it can realize functions such as remote data viewing, historical data query, remote alarm push, equipment GPS positioning, etc. It is widely used in food, medicine, catering, international warehousing and logistics industries.

1. Features

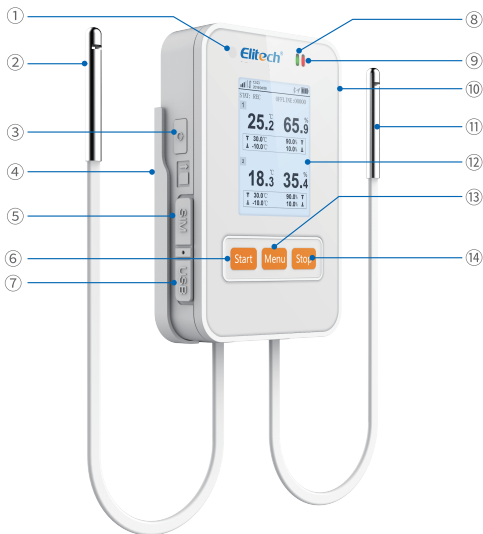
- The product is suitable for various occasions, including warehouse, refrigerated storage, refrigerator car, shade cabinet, medicine cabinet, refrigerator lab, etc;
- Compact size, fashionable appearance, magnetic card tray design, easy installation;
- Large TFT color screen display, rich in content;
- Built-in rechargeable lithium battery enables long-time real-time data upload after power cut;
- Built-in sound-light alarm device can realize local alarm;
- GPS positioning allows real-time tracking of the equipment location;
- Bluetooth printing function enables data printing and recording on site;
- Illumination intensity sensing function enables detection of the door up/close status to realize automatic screen-on/off;
- Multiple probe types available (see model selection list for details).

2. Interface



- ① Monitoring status
- ② Channel 1
- ③ Current temperature
- ④ Upper limit mark
- ⑤ Lower limit mark
- ⑥ Channel 2
- ⑦ Upper and lower alarm limits for temperature setting
- ⑧ Upper and lower alarm limits for humidity setting
- ⑨ Signal intensity
- ⑩ Time and date
- ⑪ Bluetooth icon ( : Bluetooth off  : Bluetooth on)
- ⑫ GPS icon ( : GPS off  : GPS on)
- ⑬ Power status icon ( : battery powered mode  : USB powered mode)
- ⑭ The number of local data cache groups that have not yet been uploaded to network
- ⑮ Current humidity
- ⑯ Temperature and humidity display area (actual version shall prevail)

* When the temperature and humidity are higher than the upper limits, the values are in red; When the temperature and humidity are lower than the lower limits, the values are in blue.



① Photosensitive sensor	② External probe 1	③ On/off button
④ Magnetic card tray	⑤ SIM card interface	⑥ "Start" button
⑦ Charging interface	⑧ Charging indicator	⑨ Alarm status indicator
⑩ Built-in probe	⑪ External probe 2	⑫ Screen
⑬ "Menu" button	⑭ "Stop" button	

3. Model Selection List

Probe type	Built-in		External		
Channel	1 temperature probe and 1 humidity probe	One temperature probe	1 temperature probe and 1 humidity probe	2 temperature probes and 2 humidity probes	Two temperature probes
Measuring range	Temperature: -20°C ~60°C Humidity: 0%RH~100%RH	Temperature: -20°C ~60°C	Temperature: -40°C ~80°C Humidity: 0%RH~100%RH		Temperature: -40°C ~80°C
Sensor type	Digital temperature and humidity sensor or digital temperature sensor				
Measurement accuracy	Temperature: ±0,5°C Humidity: ±5%RH				

II. Technical Parameters

1. Power input: 5V/2A (DC)

2. Temperature display resolution: 0.1°C

3. Humidity display resolution: 0.1%RH

4. Number of offline recording groups: 100,000

5. Data storage mode: circular storage

6. Record, upload interval and alarm interval

① Normal recording interval: 1min~24H allowed

② Alarm recording interval: 1min~24H allowed

③ Normal upload interval: 1min~24H allowed, defaulted to 5min(normal upload interval must be greater than or equal to normal recording interval)

④ Alarm upload interval: 1min~24H allowed, defaulted to 2min (alarm upload interval must be greater than or equal to alarm recording interval)

7. Battery life:

Not less than 3 months (@25°C, upload interval: 30min, LBS positioning)

Not less than 14 days (@25°C, upload interval: 30min, LBS+GPS positioning)

8. Indicator light: alarm indicator, charging indicator

9. Screen: TFT color screen

10. Communication mode: 4G

11. Alarm modes: local alarm and cloud alarm

12. Buttons: power on/off, start, menu, stop

13. Support Bluetooth printing

14. Support GPS and LBS positioning

15. Waterproof grade: IP65 for built-in probe and IP64 for external probe

16. Specification and dimension: 109*69.4*22.9mm

III. Operation Instructions

1. Charging

Connect to the power adapter via USB cable.

When charging, the charging indicator flashes; When it is fully charged, the charging indicator is always on.

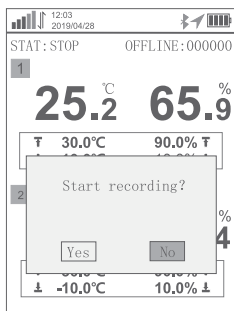
2. Power on/off

Press the power on/off button for 3 seconds to turn the device on/off.

** It is not allowed to turn off when recording is in process.*

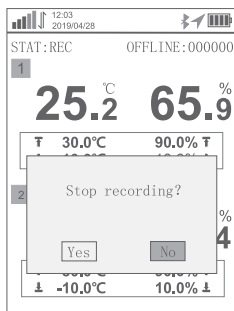
3. Start recording

When the equipment is in unmonitored running state, press the "Start" button for 3 seconds; click the "Start" button in the pop-up box to click "Yes", and then click the "Menu" button to confirm the start.



4. Stop recording

When the equipment is in monitored running state, press the "Stop" button for 3 seconds; click the "Start" button in the pop-up box to click "Yes", and then click the "Menu" button to confirm the stop.



5. Maximum, Minimum, Average View

Click the "Menu" button to enter the maximum, minimum and average display page.

STAT: REC		OFFLINE: 000000	
1			
MAX	25.2°C	35.4%	
MIN	25.2°C	35.4%	
AVG	25.2°C	35.4%	
↑	30.0°C	90.0%	↑
↓	-10.0°C	10.0%	↓
2			
MAX	25.2°C	35.4%	
MIN	25.2°C	35.4%	
AVG	25.2°C	35.4%	
↑	30.0°C	90.0%	↑
↓	-10.0°C	10.0%	↓

6. Menu

Press the "menu" button for 3 seconds to enter the main menu page.

The functions of the buttons in the menu are as follows:

- "Menu" button: confirm/select
- "Start" button: switch up
- "Stop" button: switch down

MENU	
1. Bluetooth Print	>
2. Display Settings	>
3. Configuration	>
4. Device Information	>
Exit	
Ver 1.0	

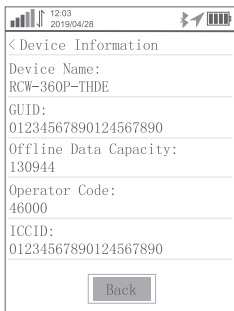
① View configuration information

Including: normal recording interval, alarm recording interval, normal uploading interval, alarm uploading interval, buzzer alarm on/off, GPS positioning on/off, temperature alarm delay, humidity alarm delay and other parameters.

< Configuration	
Normal recording interval:	5Minute
Alarm recording interval:	3Minute
Normal upload interval:	5Minute
Alarm upload interval:	3Minute
Buzzer alarm:	Yes
Back Next>	

② View device information

Including: device name, GUID, offline data capacity, operator logo, ICCID.



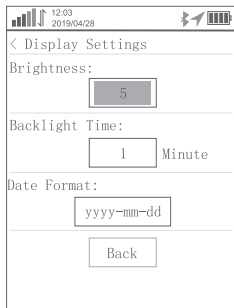
③ Display setting

Enter the "Display Settings" menu to set backlight brightness, backlight time and date format.

Brightness: 5 levels of brightness available, and 5 is the brightest.

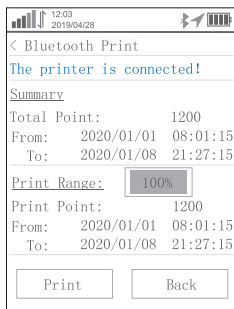
Backlight time: 4 options available, i.e. 1 min, 10 min, 30 min and normally on.

Date format: 3 options available, i.e. yyyy-mm-dd, dd-mm-yyyy, mm-dd-yyyy.



④ Print data

- Power on the Bluetooth printer to make the printer connectable;
- Select "Bluetooth printing" on the menu page to enter the Bluetooth printing interface;
- Wait for the printer to connect to the device and once connected, a prompt box of "the printer is connected" will pop up;
- Select the data to be printed to start printing.



IV. Elitech iCold

Scan QR Code as below or search Elitech in App Store or Google play to download Elitech App.



1. APP Login

(1) Login account. Remember to register for a new one if you do not have it or this is your first time to login.

The login screen features the Elitech logo at the top, which consists of a green snowflake icon and the brand name. Below the logo are three input fields: 'Enter Email or username', 'Enter password', and a checkbox for 'Remember password'. An orange 'Login' button is positioned below the password field. At the bottom, there are two links: 'Register' and 'Forgot password'.

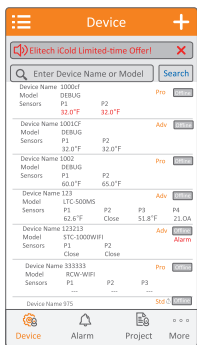
The register screen has an orange header with a back arrow and the title 'Register'. It contains three input fields: 'Please enter email', 'Enter password', and 'Confirm password'. Below these is a field for 'Enter security code' with an orange 'Send code' button to its right. At the bottom, there is a large orange 'Register' button.

PS: If you forget the password, click "Forgot password" to find password as shown in figure-3. According to the prompts to finish verification and find out password.

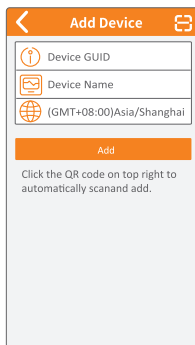
The retrieve password screen has an orange header with a back arrow and the title 'Retrieve password'. It contains three input fields: 'please enter the Email', 'Enter security code' (with an orange 'Send code' button to its right), and 'Enter password'. Below the password field is a 'Confirm password' field. At the bottom, there is a large orange 'OK' button.

2. Add Device

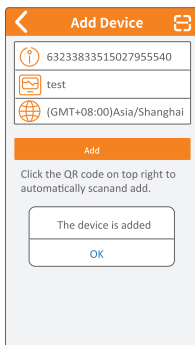
1. Click “+”



2. Click “”, Scan the QR code back on the device



3. Click “Add”, device added successfully.



VII. Elitech iCold Platform

For more functions, please log in Elitech iCold Platform: www.i-elitech.com.

VIII. Top-up

Free data & advanced platform service will be activated after the device be first time registered to Elitech platform. After the probation period, customers need to recharge the device by referring to operation manual.



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