



Elitech Wireless Temperature and Humidity Monitor System User Manual

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RCW-2000/2100/2200
USER MANUAL

Elitech cloud login: www.i-elitech.com



<http://www.i-elitech.com/commonAction.do?method=iosdl>

iOS APP

Scan the QR code or download on the App Store



<http://www.i-elitech.com/commonAction.do?method=andriodd1>

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Overview

The wireless temperature and humidity monitor system uses advanced LoRa communication technology and is consists of the wireless temperature and humidity sensors RCW-2100/2200, the wireless gateway RCW-2000WiFi, Elitech app and Cloud platform etc. By networking these products with various transmission methods of LoRa/Wi-Fi and combinations of Elitech app and cloud platform, the system allows users to not only view the real-time data remotely but also view historical data and graphs, export data reports, ana-

Technical Specification

RCW-2000 (Wi-Fi versions)

- Power supply: 12V/2.5A(DC)
- Communication mode: Wi-Fi
- Alarm mode: LCD indicator, buzzer, SMS and APP notification
- Maximum transmission distance: 1km at open space
- Battery: Rechargeable lithium battery(5,000mAh capacity)
- Maximum sensors loading number:
 - 12 Wireless sensors (uploading intervals under 5 minutes)
 - 30 Wireless sensors (uploading intervals over 5 minutes)

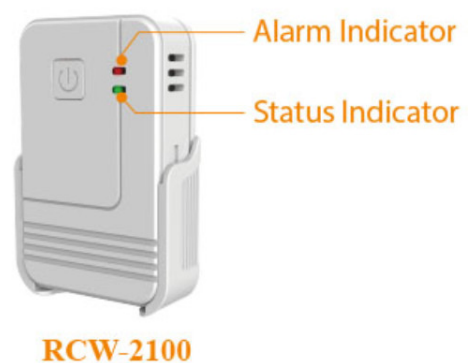
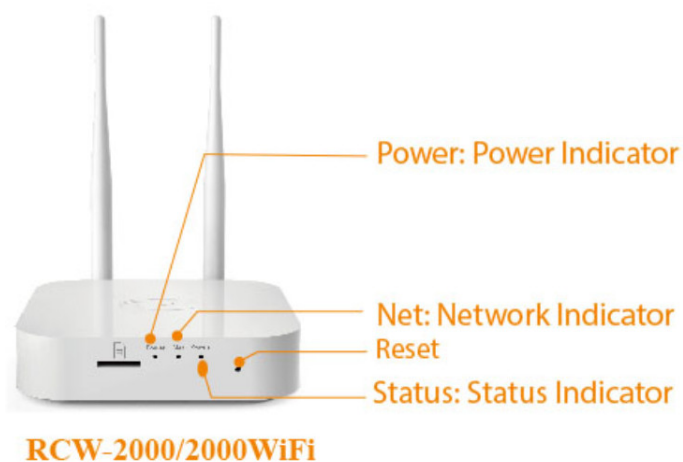
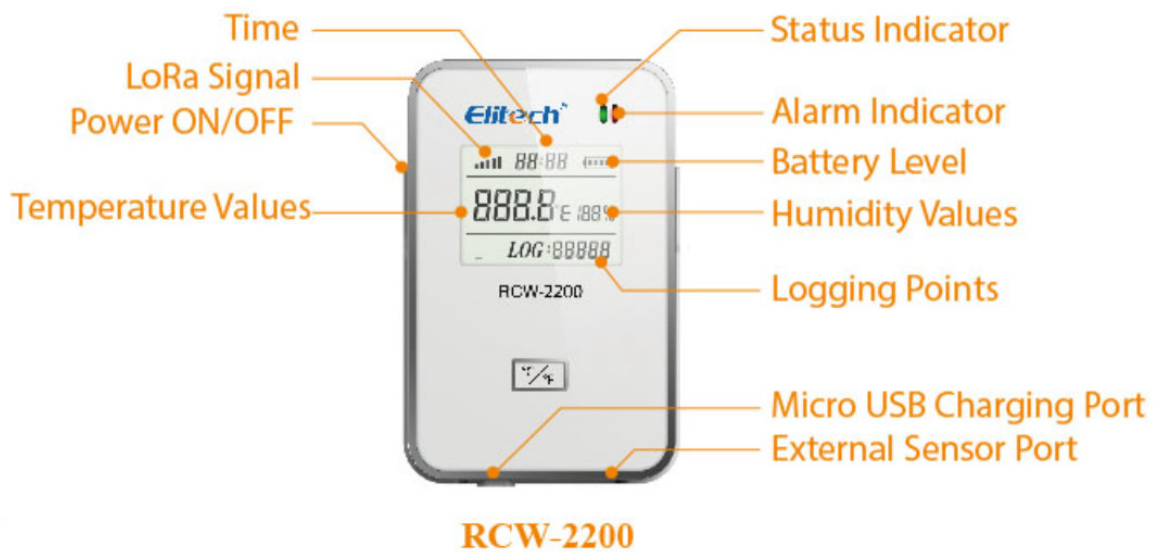
RCW-2100

- Measurement range: Temperature: -30°C~65°C; Humidity: 10%RH~100%RH
- Accuracy: Temperature: +0.5°C; Humidity: +5%RH
- Memory capacity: 20,000 recording points
- Record interval: 1 minute to 24 hours
- Uploading mode: LoRa
- Battery: Two ER14335 lithium batteries (non-rechargeable)
- Durations: Up to 1 year (uploading interval under 10 minutes) (@25°C)
- Protection level: IP65
- Operating frequency: 470~510 MHz ISM band

RCW-2200

- Measurement range: Temperature: -30°C~65°C (SHT30), -150°C~150°C(PT 100); Humidity: 10%RH~100%RH
- Accuracy: Temperature: +0.5°C; Humidity: +5%RH
- Memory capacity: 20,000 recording points
- Record interval: 1 minute to 24 hours
- Uploading mode: LoRa
- Battery: Rechargeable Lithium batteries
- Durations: Up to 1 year (fully charged, uploading interval under 3 minutes) (@25°C)
- Protection level: IP64
- Operating frequency: 470~510 MHz ISM band

Appearance



Indicator Status

RCW-2000 (Wireless Gateway)

1. Power (Power Indicator):

Power ON: Solid green light;

Power OFF: Light off completely.

2. **Net (Network Indicator):**

Wi-Fi connected: Green LED light always on.

3. **Status (Status Indicator):**

Normal status: Green LED light blinks once per second;

Data uploaded: Green LED light continues to blink quickly.

RCW-2100/2200 (wireless sensor)

1. **Status Indicator:**

Online: Green LED light blinks once every 5 seconds;

Offline: Green LED light blinks twice every seconds.

2. **Alarm Indicator:**

Low battery: Red LED blinks twice every second.

Over limits: Red LED blinks once every minute (over temperature or humidity thresholds).

3. **Optional GPS Function*:**

Collect GPS information to realize GPS locating (outdoors only).

*Please contact us if you need this optional function.

Elitech App

1.0 **Download:**

Please scan the QR code below or search Elitech on App Store or Google Play to download Elitech app.



<http://www.i-elitech.com/commonAction.do?method=iosdl>

iOS APP

Scan the QR code or download on the App Store



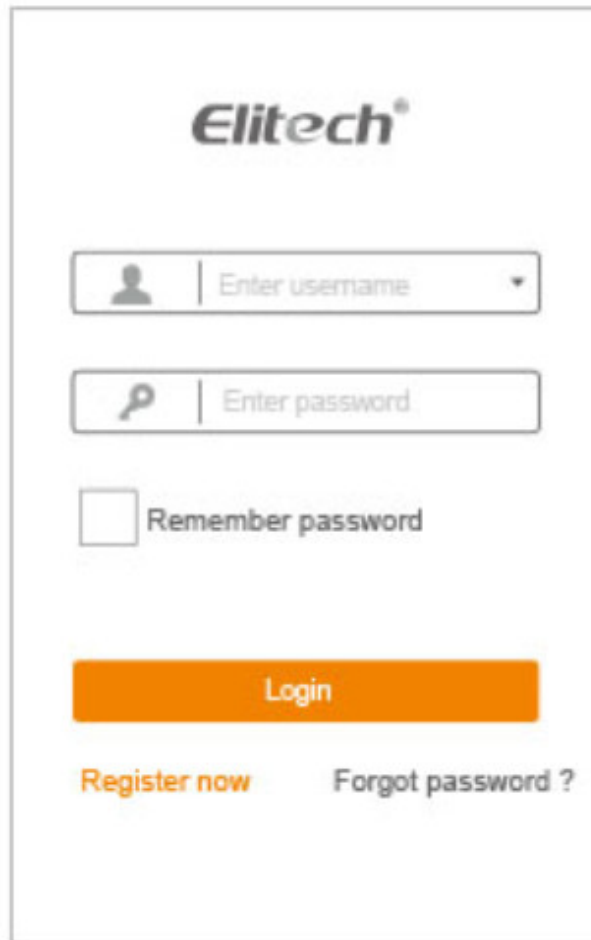
<http://www.i-elitech.com/commonAction.do?method=andriodd>

Android APP


Scan the QR code or download on the Google play


2.0 **Login:**

Click “Register now” to enter registration page. After finishing registration, please enter your username and password to login to your account.

The image shows a login interface for Elitech. At the top is the 'Elitech' logo. Below it are two input fields: the first for a username with a person icon and the placeholder 'Enter username', and the second for a password with a key icon and the placeholder 'Enter password'. Below these fields is a checkbox labeled 'Remember password'. A large orange 'Login' button is positioned below the checkbox. At the bottom, there are two links: 'Register now' in orange text and 'Forgot password ?' in grey text.

Elitech

 Enter username

 Enter password

☐ Remember password

Login

[Register now](#) [Forgot password ?](#)

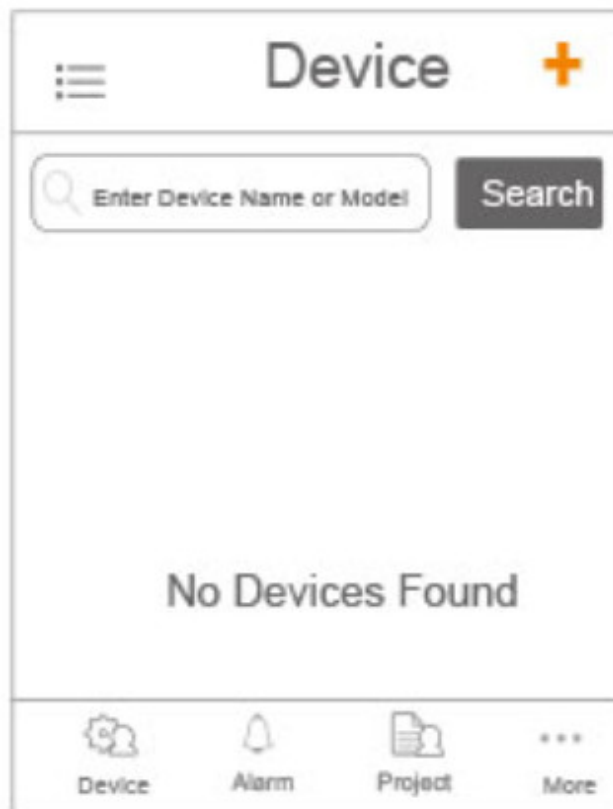
Operation


1.0 The Gateway RCW 2000WiFi

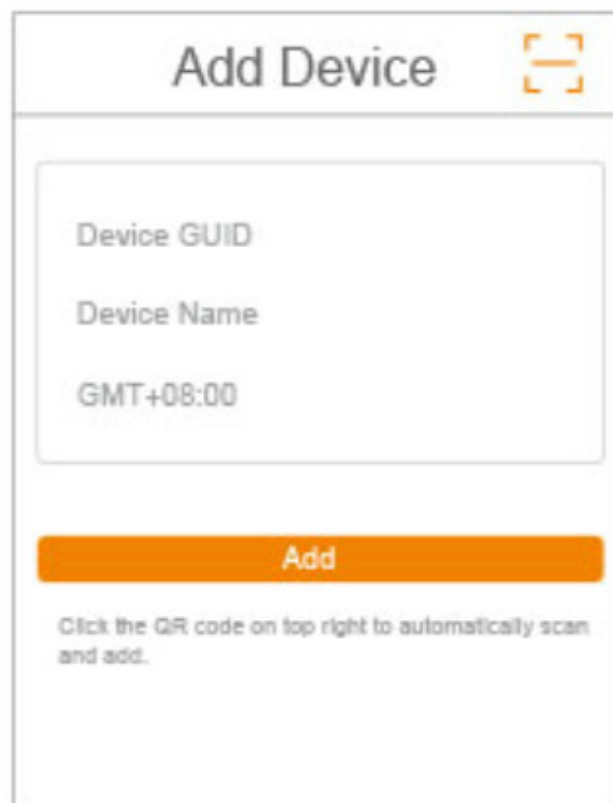
Please follow the steps below to add and configure the gateway.

- Match the provided two antennae with gateway's antennae ports and install them correctly.
- Plug RCW 2000Wi-Fi into a power outlet by using the provided power cord.
- Press the power button on the side of the gateway to turn it on.
- Use a pin or stick to press "Reset" hole to make sure it entered configuration mode.


1. Click "+" first.





2. Click “” and scan the QR code on the back of the device.




3. Type in device name, select time zone and click “Add”.

Add Device


 584589584350391*****

 2000 wifi

 GMT+08:00


Add


Click the QR code on top right to automatically scan and add.


Cancel
OK


(GMT-08:00) Anchorage
(GMT-07:00) Los Angeles
(GMT-07:00) Tijuana
(GMT-07:00) Phoenix

4. "Added Successfully" will show. Please click "OK" to continue.

Add Device


 584589584350391*****

 2000 wifi

 GMT+08:00

Add

Click the QR code on top right to automatically scan

Added successfully

The device scanned is a Wi-Fi device.
Would you like to set WiFi

Cancel
OK

f. Please connect your mobile phone to your preferred Wi-Fi network first. Then follow the steps below to connect the gateway to Wi-Fi Network.

Note: If the Wi-Fi names shows on the configuration page is not your desired Wi-Fi, please reconnect your mobile phone to your desired Wi-Fi network and repeat this step.

5. The Wi-Fi's name will be filled automatically on the "Configure Wi-Fi" page. Please type in the correct Wi-Fi

password and click “Enter configuration” button for next step.

Configure WiFi

Make sure your device is in config mode before any operation. See details in User Manual.

jcrb_ior

jcrb123456

Entered Configuration

6. When page shows “Configuration Successful”. Please click OK to finish all configuration of the gateway.

Add Device

564569584350391*****

2000 wifi

GMT+08:00

Add

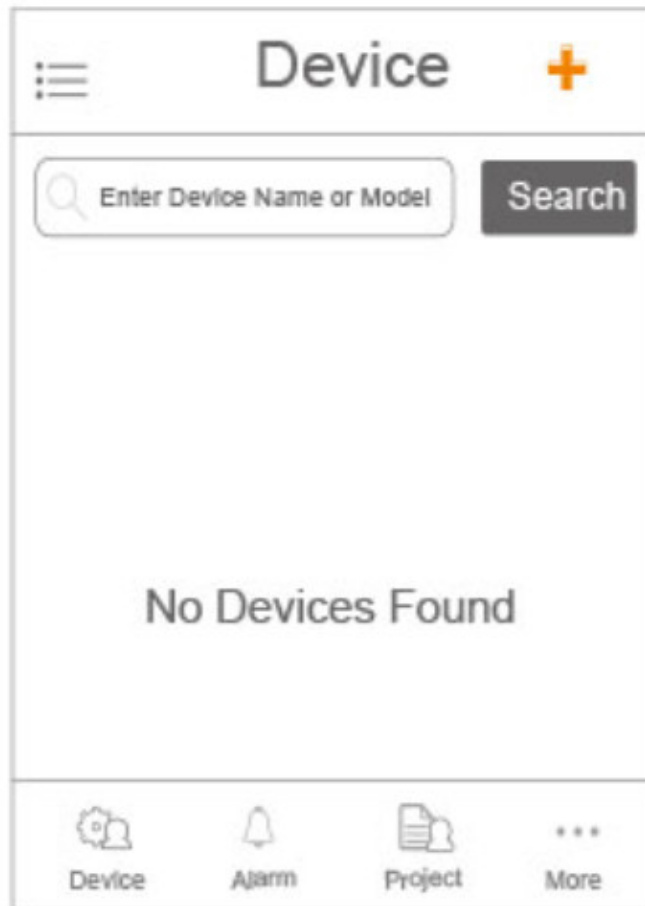
Click the QR code on top right to automatically scan


Configuration Successful
Please return to the device list
to continue

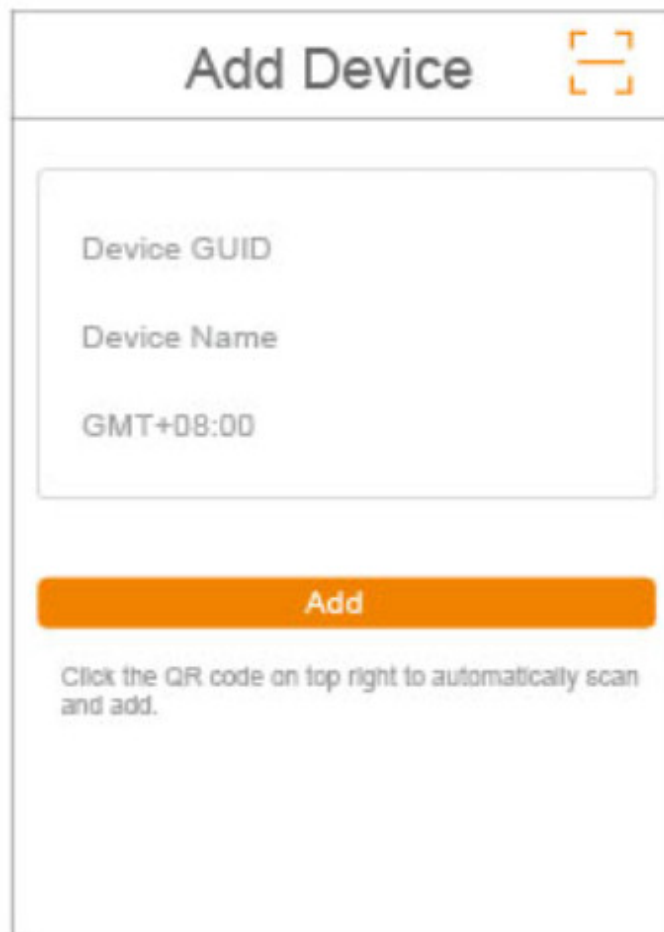
Cancel

OK

1. Click "first."



2. Click " " and scan the QR code on the back of the



3. Click "Add" to add sensor to your account.

Add Device

786568484350291*****

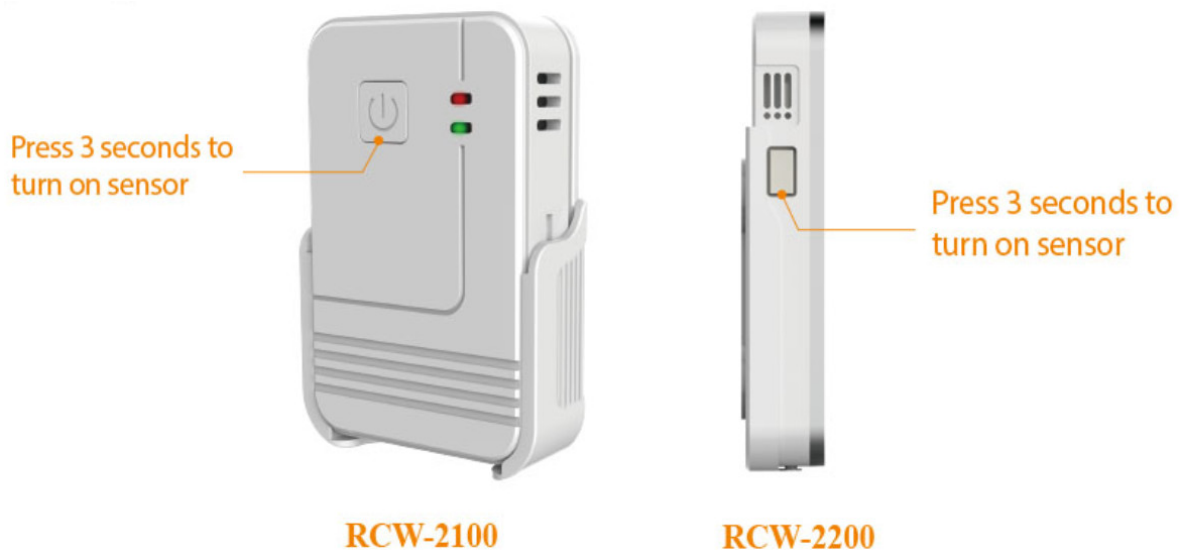
2100

GMT+08:00

Add

Click the QR code on top right to automatically scan and add.

b. Turn on sensor RCW-2100/2200 as shown below. Then sensor will automatically search and connect to any nearby or available gateway. Once it has been connected, sensor(s) will start uploading the real-time data automatically based on your setted uploading intervals.



Elitech Cloud

1.0 Login Cloud Portal

Please type in the URL <http://www.i-elitech.com> to login for more operation. Click 'Help' to obtain cloud and app operation instructions.



Elitech Technology, Inc.



1551 McCarthy Blvd Suite 112 Milpitas CA 95035

Sales Support: sales@elitechus.com

Tech Support: support@elitechus.com

<http://www.elitechus.com>

Documents / Resources

<p><small>Elitech</small> <small>Elite of technology</small></p> <p>RCW-2000/2100/2200 USER MANUAL</p> <p><small>Elitech cloud login: www.i-elitech.com</small></p>  	<p>Elitech Wireless Temperature and Humidity Monitor System [pdf] User Manual RCW-2000, RCW-2100, RCW-2200, Wireless Temperature and Humidity Monitor System</p>
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