iAeris

iAeris1 IAQ Detector

iAeris
10:09 AM

| TVOC | 二氧化碳 | 一氧化碳 | 甲醛 |
| 0.02 ppm | 1185 ppm | 0 ppm | 0.02 ppm |

| PM10 | PM2.5 | 溫度 | 濕度 |
| 35 μg/m³ | 28 μg/m³ | 26.0 °C | 62 % |

iAeris

* Please read this manual carefully before using this product.

USER MANUAL

www.sysinnotec.com

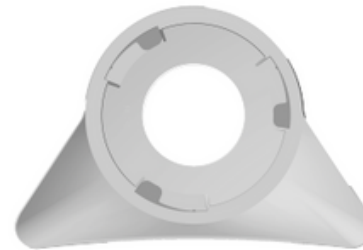# sysinno

PACKAGE CONTENTS

- iAeris main unit
- Adapter
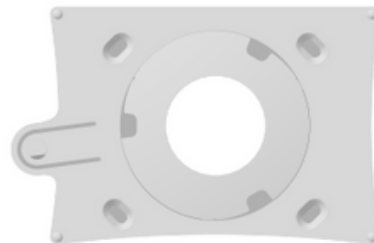- Main stand
- Wall mount

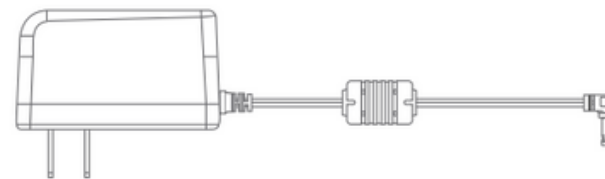# PRODUCT DESIGN / FEATURES

■ Front view

■ Stand

■ Wall Mount

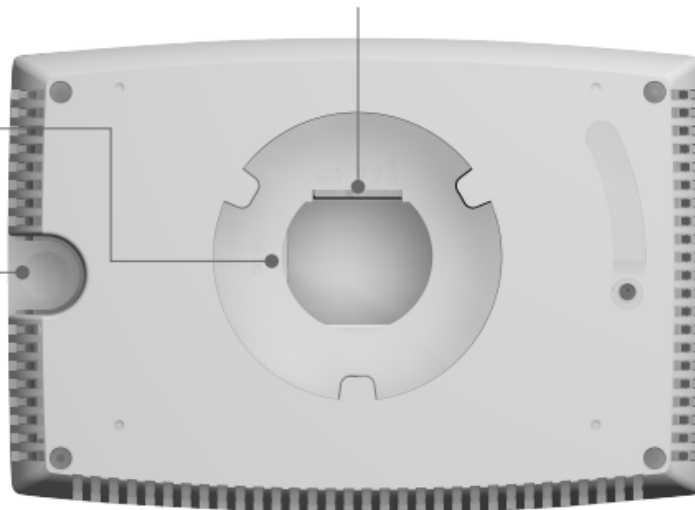■ Adapter

PRODUCT DESIGN / FEATURES

■ Back View

Communication interface

| B- | A+ | NO1 | NO2 | COM |

Power interface

Power switch

- B- & A+: RS485 communication interface
- NO1 & NO2 (COM is common ground): Two sets of dry contact can be set according to customer's parameter requirements. When the specified measurement index is higher than the warning level, the dry contact can be used to activate connected corresponding external devices.

QUICK INSTALLATION GUIDE
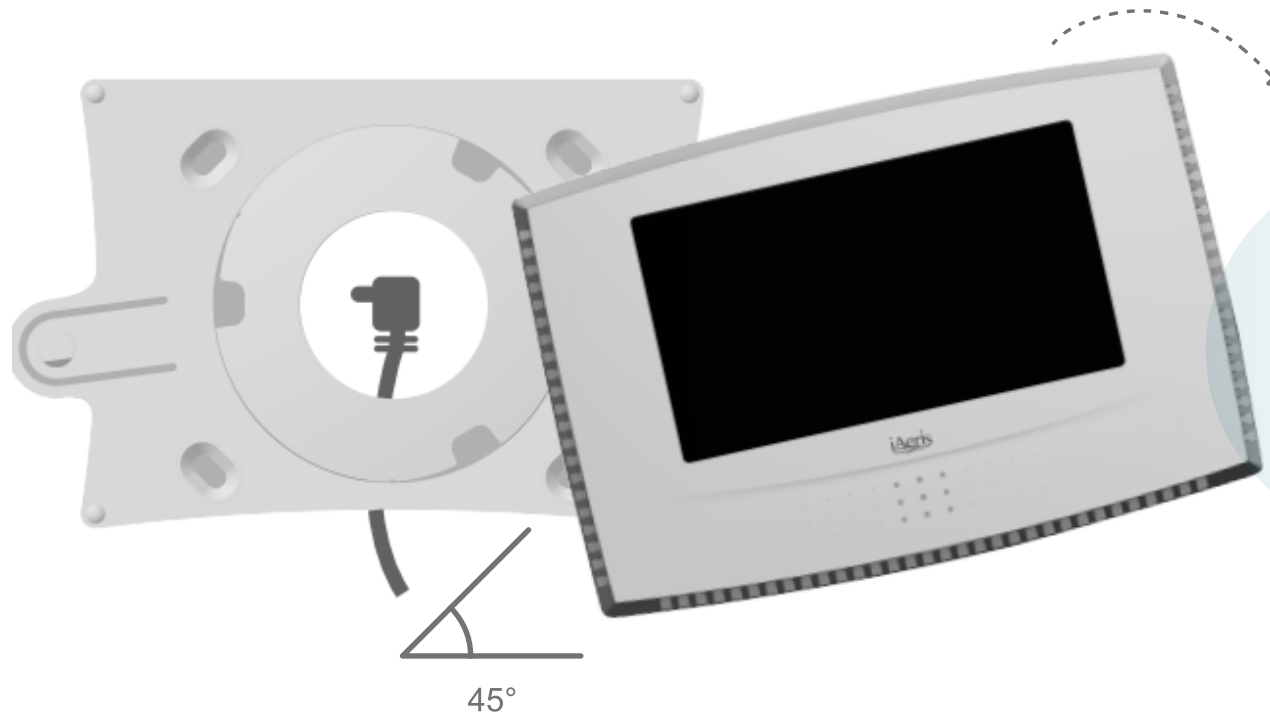
sysinno

■ **Assemble the stand**
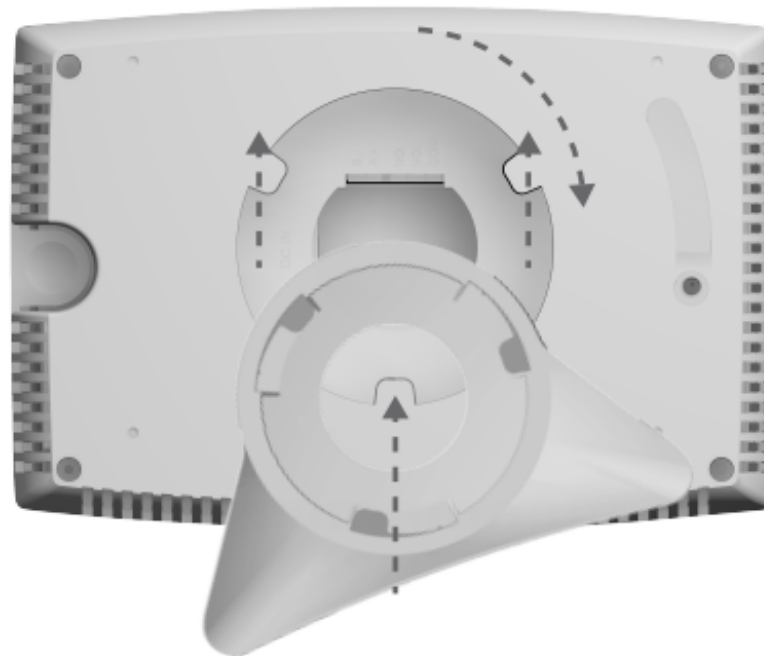
1. Align the notches on the stand with the latches on the back of the device.
2. Rotate the stand in a clockwise direction to complete the installation.

QUICK INSTALLATION GUIDE

Install at human breathing range (recommended height 1.5~2.5m).

■ Assemble the wall mount

45°

1. Fix the power cord and wall mount on the wall as shown above.
2. Rotate the device by 45 degrees counterclockwise to align with the latches on the wall mount.
3. Rotate the device in a clockwise direction to complete the installation.
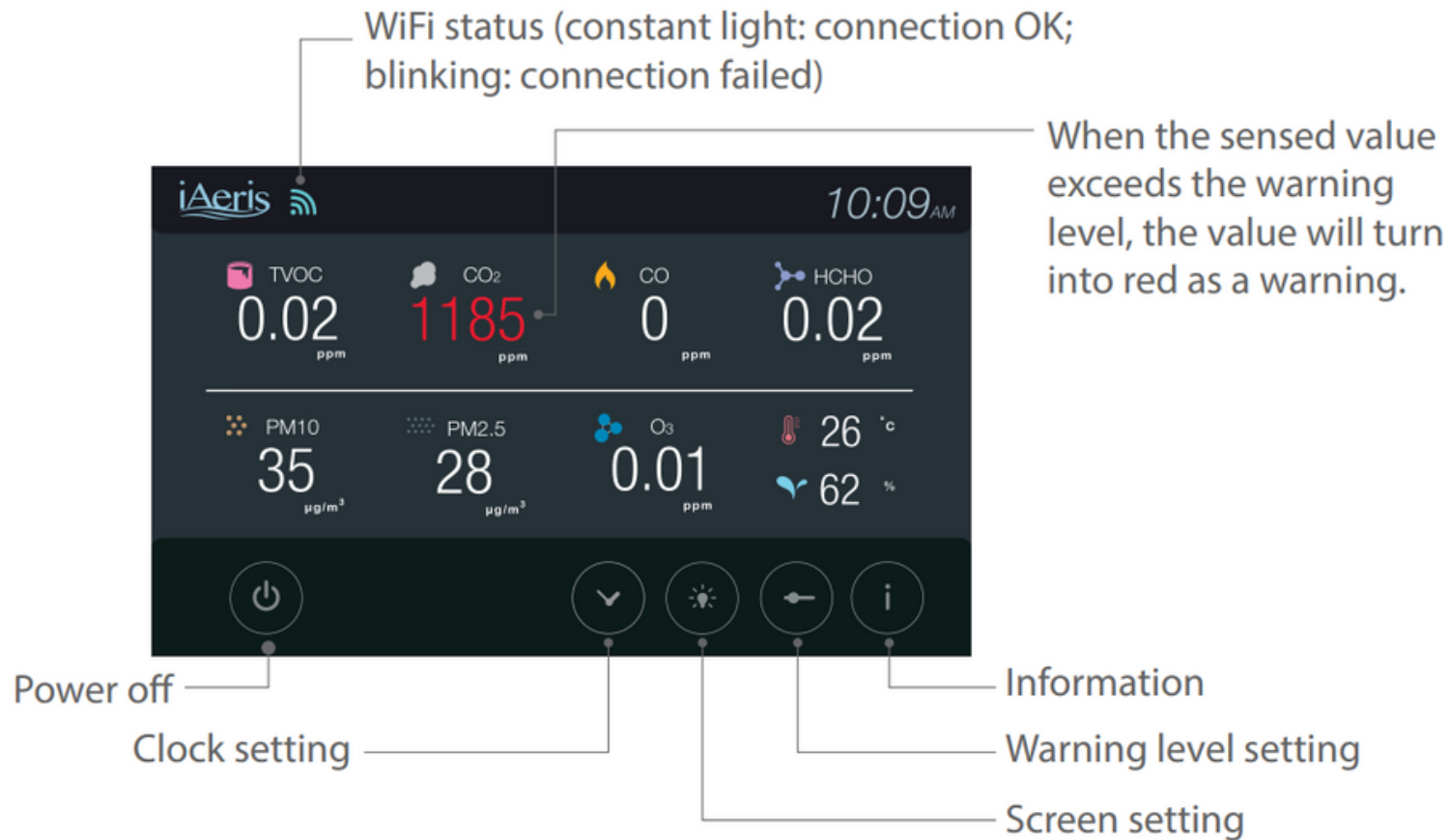
QUICK INSTALLATION GUIDE

sysinno

Install at human breathing range (recommended height 1.5~2.5m).

■ **Disassemble from the wall mount**
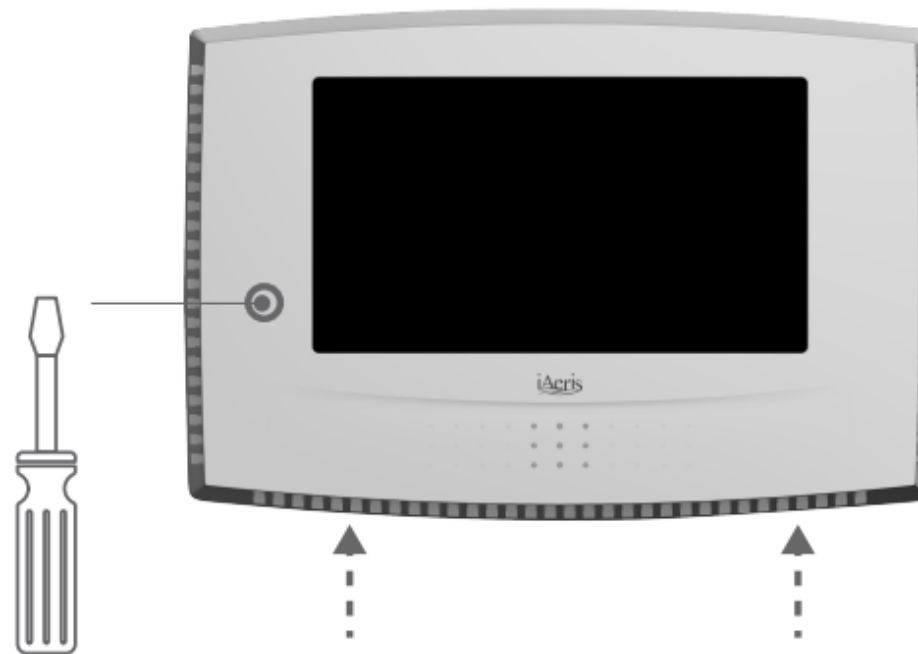
1. Remove the cover by pressing the concealed latches, as the arrows shown, with both hands simultaneously.
2. Insert a screwdriver into the small round hole on the left side of the screen, and turn the device counterclockwise to remove it.
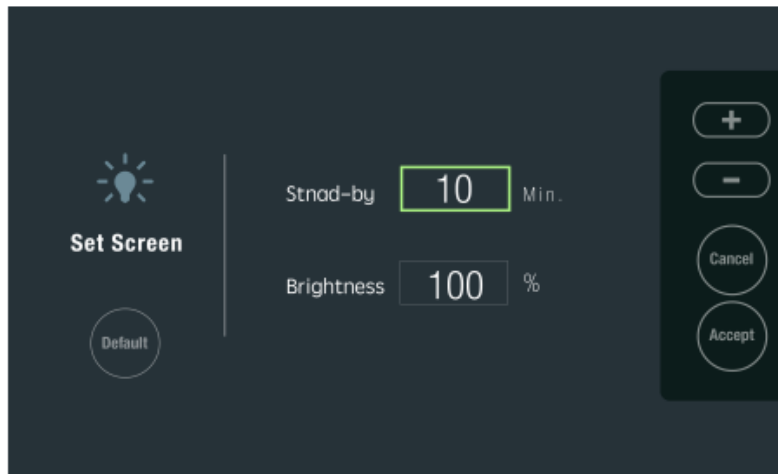
■ User Interface

WiFi status (constant light: connection OK; blinking: connection failed)

When the sensed value exceeds the warning level, the value will turn into red as a warning.

Power off

Clock setting

Screen setting

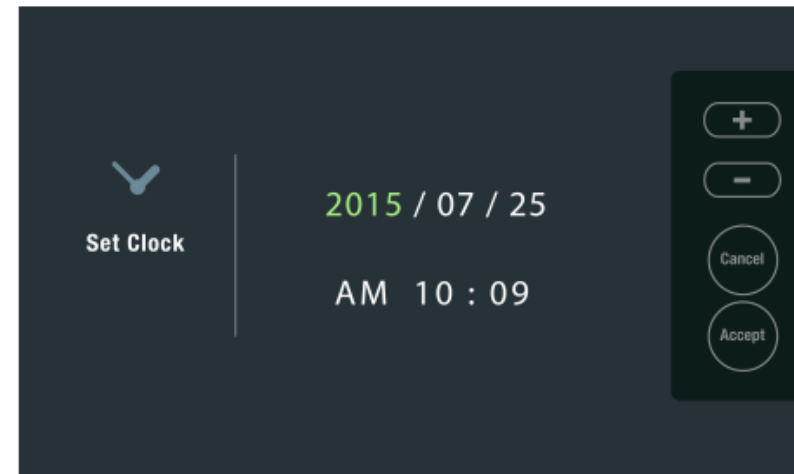Warning level setting

Information

DEVICE SETTING

■ Device setting

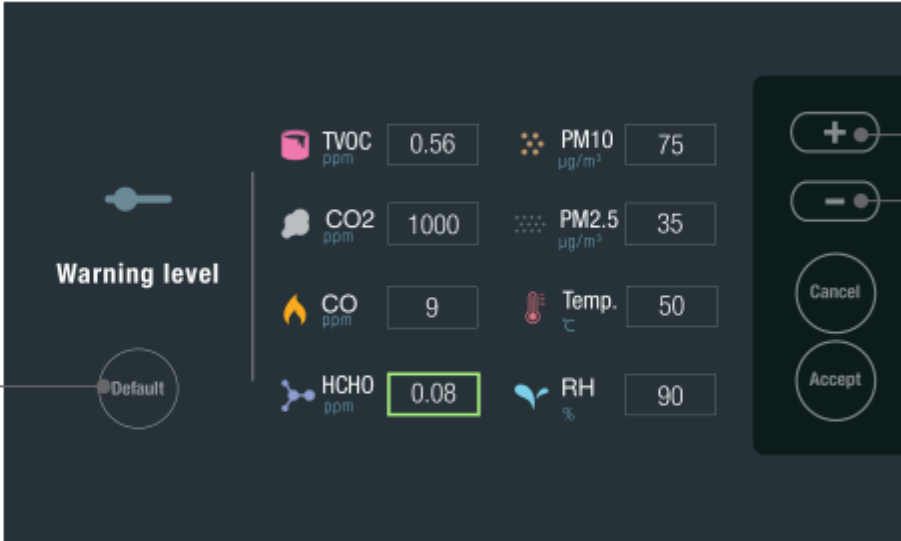Press the setting button on the main form screen to enter the sub-page to set various parameters.

Set screen brightness and standby time
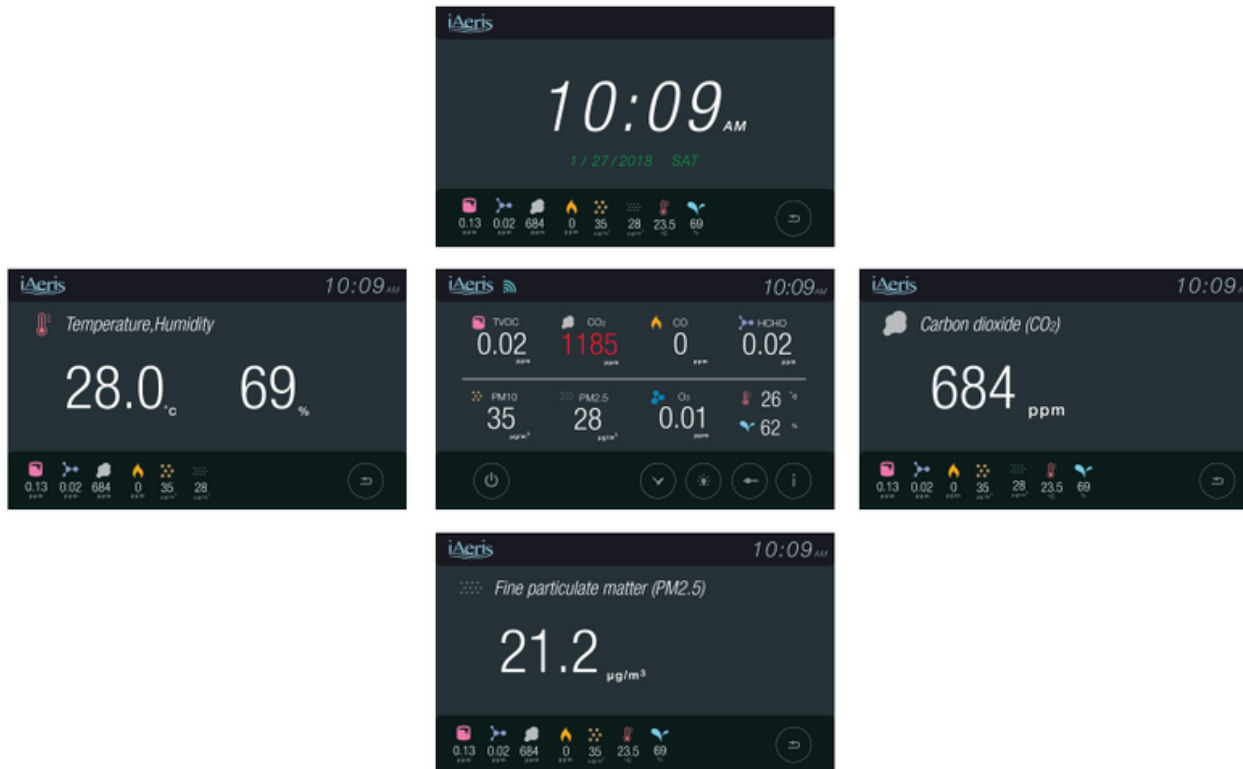

Set date and time

Increase
Decrease

Restore default settings

Set the warning level with various indexes

■ Changing display theme

Tap the time or individual index icon to change the theme of the main form screen
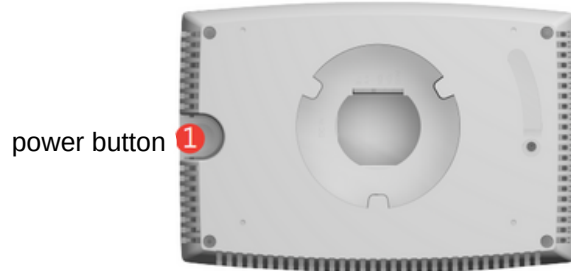
WiFi Setup Process (For WiFi Model)
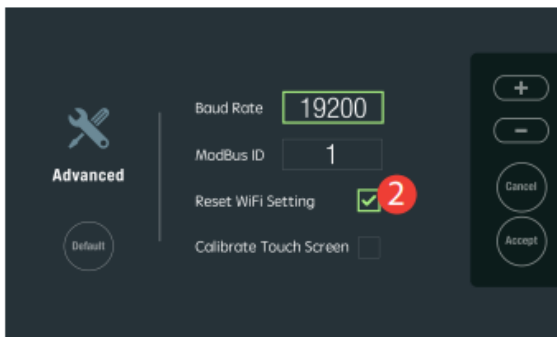## 1. Connect your iAeris device

1.

Press and hold power button for 10 seconds to access iAeris advanced settings.
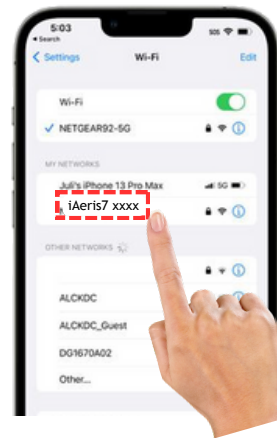
power button ❶

2.

In advanced settings, check "Reset WiFi Setting," then click OK. iAeris will restart and enter WiFi setup mode.
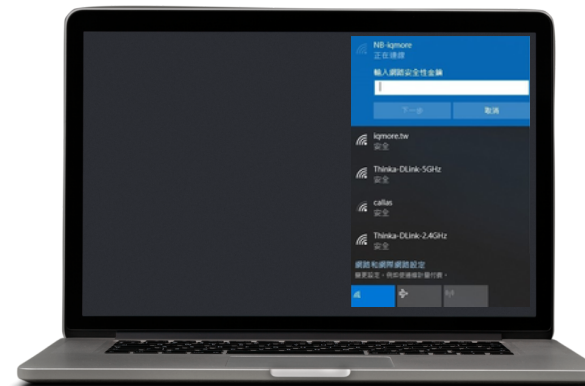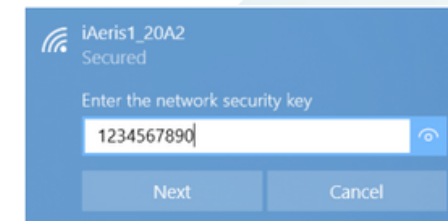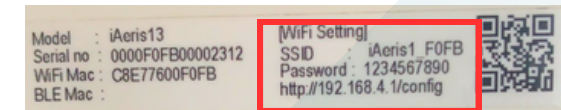
3.

Open your computer or phone's WiFi search, locate the iAeris device with the name displayed on the sticker attached to the back of the main unit.
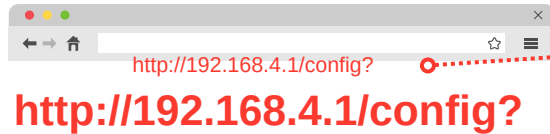
WiFi hotspot name on sticker at back.
SSID: iAeris_xxxx
Password 1234567890

WiFi Setup Process (For WiFi Model)

2. Use computer or phone browser

http://192.168.4.1/config?

http://192.168.4.1/config?

1 Enter http://192.168.4.1/config? in address bar for settings.
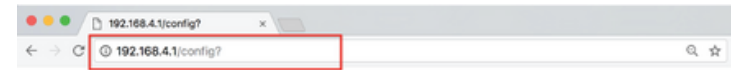
2 Choose the WiFi AP you want to connect to.

⚠ Note: The displayed AP is the user's WiFi AP. "sysinno-test" is just an example

3 Enter the password.

⚠ Note: Enter your WiFi AP password, not the iAeris1 hotspot password "1234567890".

4 Check options: Upload Cloud / ModBust-TCP / DHCP. See right for details.

5 Once settings are complete, click "Accept."

iAeris WiFi Setting

Scan WiFi AP: sysinno-test

Enter SSID: sysinno-test
Enter Password:

☑ Upload Cloud   ☐ ModBus-TCP
☑ DHCP

Accept

☑ Upload Cloud — Check the box to allow external network connection and data upload to the cloud platform

☐ ModBus-TCP — Check the box to enable Modbus-TCP communication (Port 520).

☑ DHCP — Check DHCP to receive IP from AP/Route

☐ DHCP — Uncheck DHCP, assign fix IP settings screen

IP Address: 192.168.0.200
Gateway: 192.168.0.1
Subnet Mask: 255.255.255.0

WiFi Setup Process (For WiFi Model)

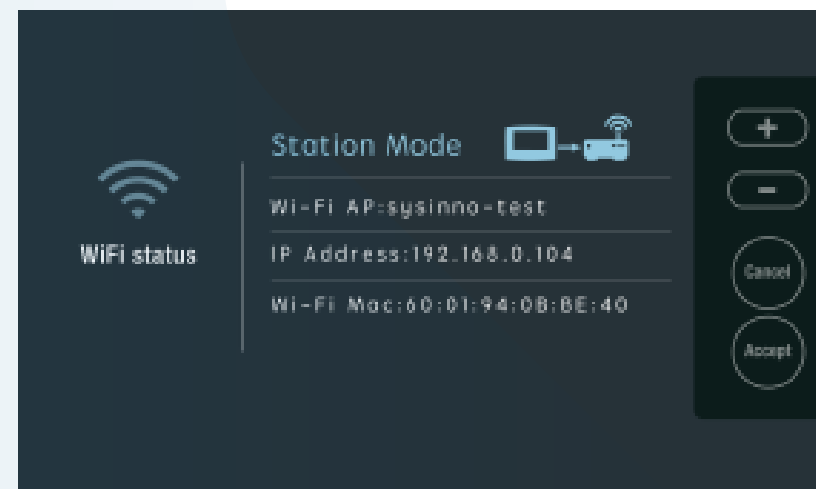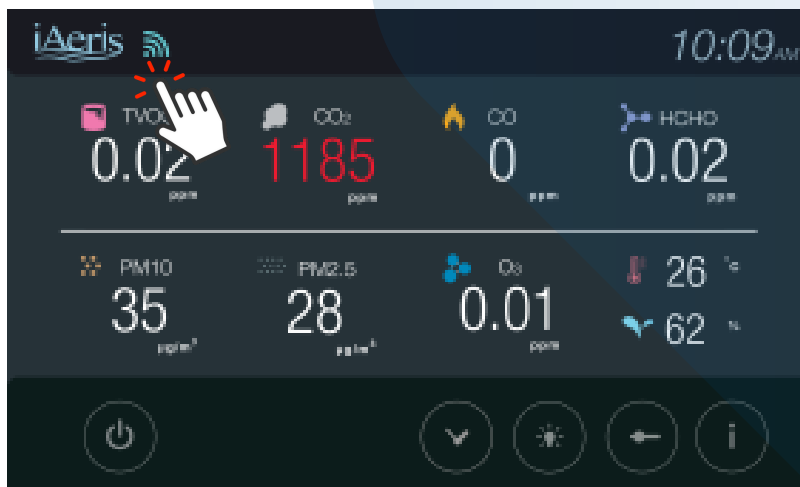**6** The system will restart when finish the setting process

6 IAQ WiFi Setting

Please Wait Device Reboot!!

7 After setup, device restarts. Click WiFi button for status.

8 WiFi status page shows connection info. If "NG," redo step 1.

Cloud Platform Interface (Optional)

Go to https://xsize.net/iaeris/login.php in your browser.

Cloud Platform Interface (Optional)

Register Account

Cloud Platform Login Homepage

- After registration and login, view the environmental detection values of the selected device
- Data uploads to the cloud platform every six minutes
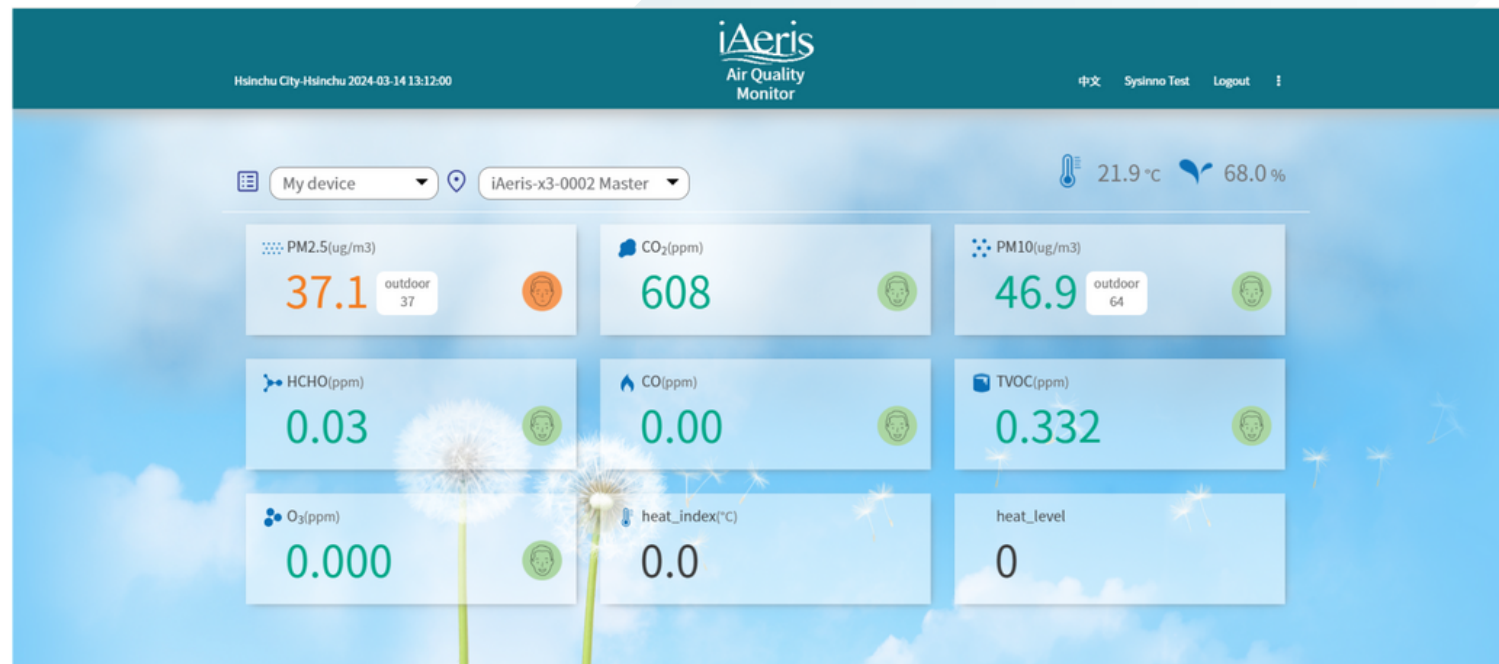
Historical Data Trend Curve

- Click "Environmental Factors" on the homepage to access the historical curve interface.

- This page shows hourly averages and up to seven days of data.

Customer Area Functionality

- The cloud platform provides customer-oriented features for easy data recording and management.
- Before service expires, contact the device vendor to purchase additional usage years for continued data download functionality.
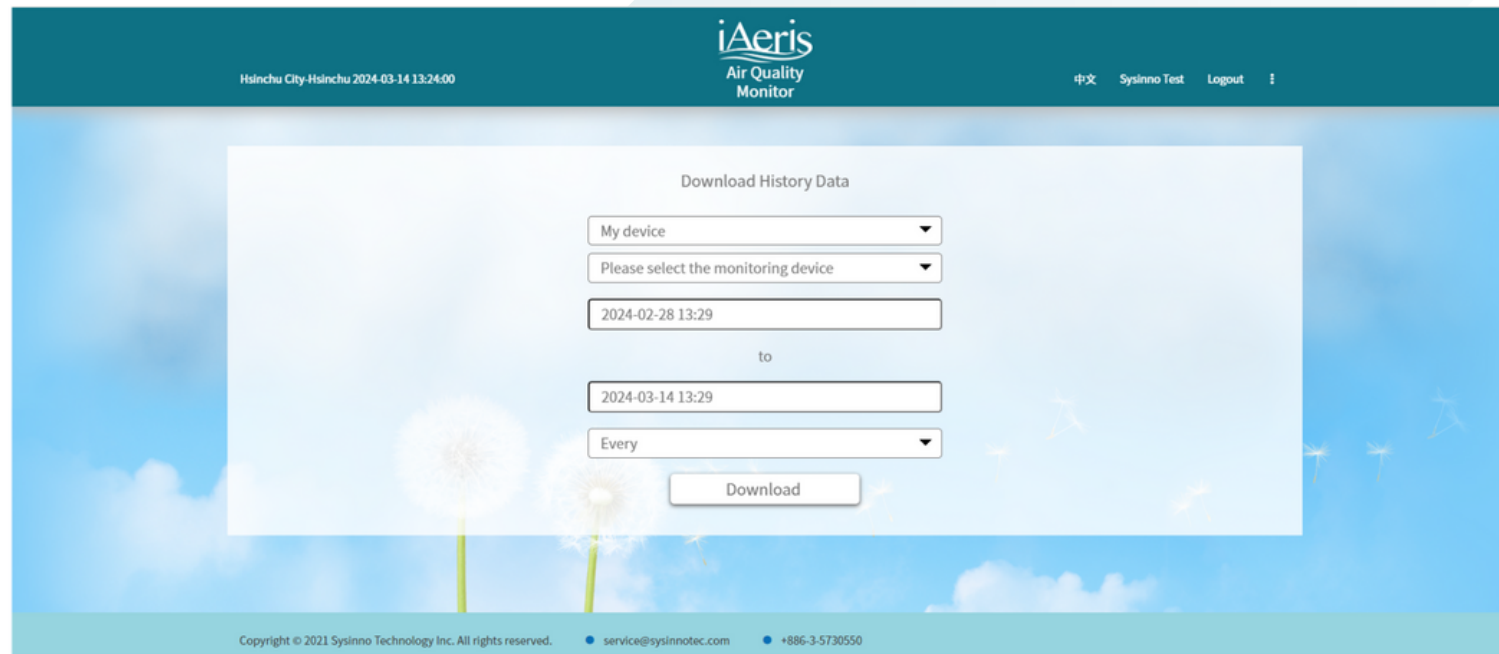
Installation Position Recommendations

For accuracy, we recommend installing one detector for every 200 square meters of enclosed space.
For example:
- Each open space of 200 square meters requires one detector.
- Each individual partitioned meeting room or space requires one detector.
- For spaces larger than 200 square meters, consider installing multiple detectors throughout the entire area to achieve optimal coverage.
- Detectors should be installed near indoor areas where people are active or near ventilation (air conditioning) equipment return air vents.
- Detector placement should be away from operable doors, windows, and air conditioning vents, at least 2 meters away.

- We recommend installing the detector at a height of 1.5 meters to 2.5 meters.
- Position the detector at least 2 meters away from doors, windows, and air vents.
- Ensure that the device's ventilation holes are not obstructed, allowing for proper airflow.
- To ensure accuracy and longevity, ceiling-mounted installation on the ceiling is not recommended.

Precautions

sysinno

- This product provides general indoor air quality information only and is not intended to determine individual health impacts or serve as a fire alarm.
- Keep the product away from heat sources and areas prone to water splashes or dripping.
- Avoid using the product in environments with vibrations or direct sunlight.
- Ensure proper airflow by not blocking the ventilation holes around the device.
- Do not insert external objects into the ventilation holes to prevent sensor malfunction or electric shock.
- Non-technical personnel should not attempt to disassemble, modify, or repair the product.
- Use correct connectors and cables during installation and avoid forcing connectors into ports to prevent damage not covered by warranty.

【Attention】 Power Supply Notice:
This product is powered by the included power adapter.

Power Supply Specifications:
Adapter outputs 5V DC with Jeck (Ø2.5mm) connector. Do not modify cable to avoid damage.

Dry Contact Specifications:
This product offers two independent dry contacts (NO1, NO2), rated for DC 24V, 0.5A. Ensure voltage at NO1 and NO2 is higher than at COM. Do not use with AC directly; use relay for high-voltage equipment.

Prohibition of Hot Wiring:
When changing power and port terminals, ensure power is disconnected before wiring. Reconnect after setup.

【Attention】
- This product supports energy recovery ventilation (ERV) and single-directional intake fans. Before purchasing, consult local distributors for compatibility and technical support.
- The control logic for RS485 or dry contact output is fixed and intended only for ventilation equipment control.

Use the correct connectors and ports
- Avoid forcing connections. Check for obstructions. Ensure proper alignment.
- Damage from mishandling, like inserting wrong pins, isn't covered by warranty.