



GiA

Smart Indoor Air Quality Sensing Controller

Installation and Instruction Manual

Product has passed

NCC (National Communications Commission) Number: CCAH18LP1800T8

FCC (Federal Communications Commission) Number: 2APZX-GiA-K007

欣寶科技工程股份有限公司
NewGreen Tech Co., Ltd.

📍 桃園市大園區高鐵北路二段200號2樓
☎ 03-3812800 🖨 03-3812860
🌐 <http://www.newgreentech.com.tw>





Smart Indoor Air Quality Sensing Controller

Index

A Introduction

B Installation

C Getting Started

D Internet Connection

E Settings

F Device Connection

G Modes

H Environmental Factors

I Remote Monitoring

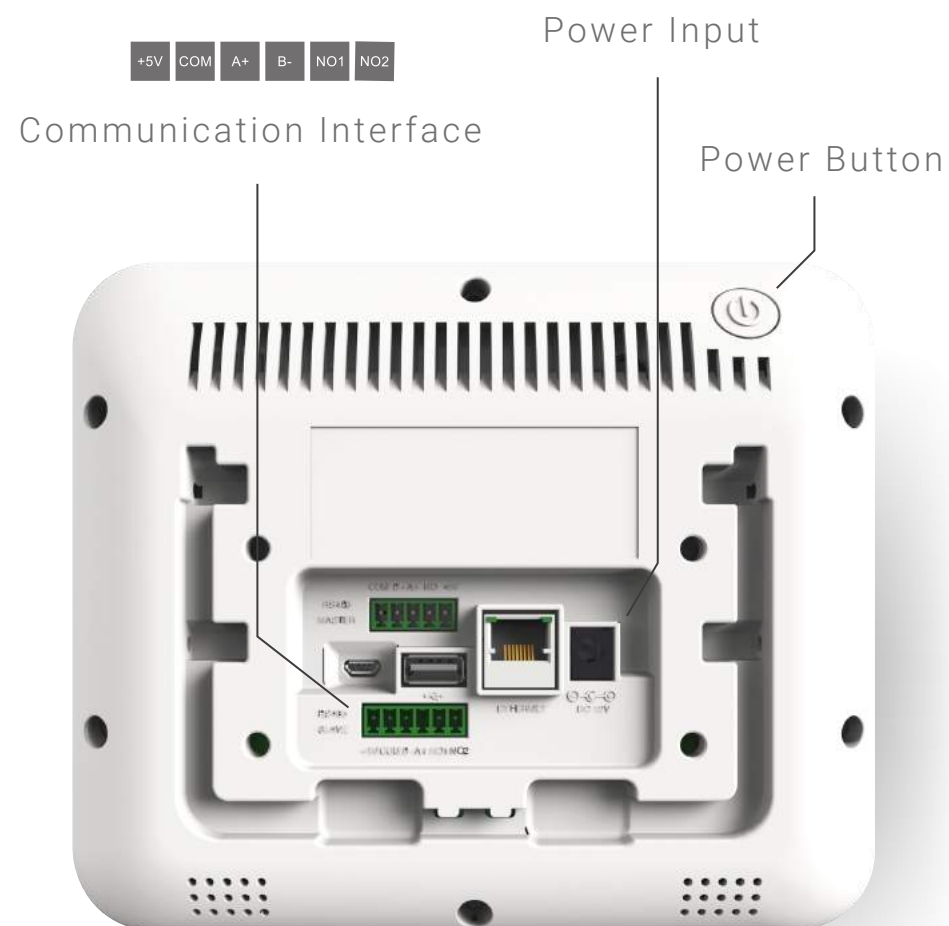
J Outdoor Information

K Product Specifications

L Safety Instructions

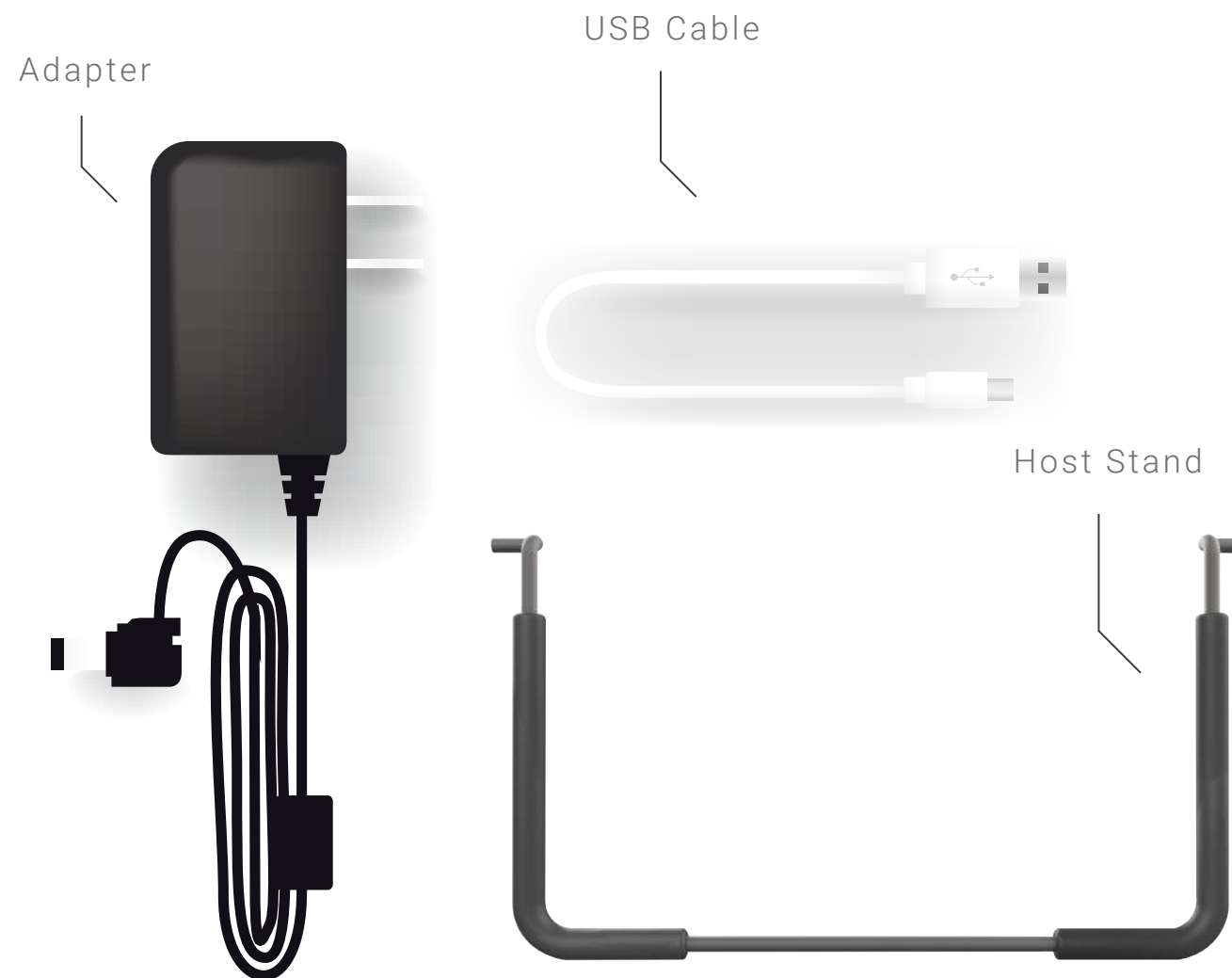
M Frequently Asked Questions

N Warranty



A+ B- RS485 output terminals

When the product is shipped from the factory, two sets of dry contacts can be set according to customer's parameter requirements. When this parameter is higher than the set alert value, the two sets of contacts can start the corresponding equipment of the external connection respectively. The NO1 and NO2 contact COM are common ground.



B



1
Firmly press the upper bracket inward before removing it.

2
Using the same method, place the bracket in the bottom two holes as well

3
Place the device on a flat surface



C



1
Press the power button to turn on the screen.
The welcome page will then display.



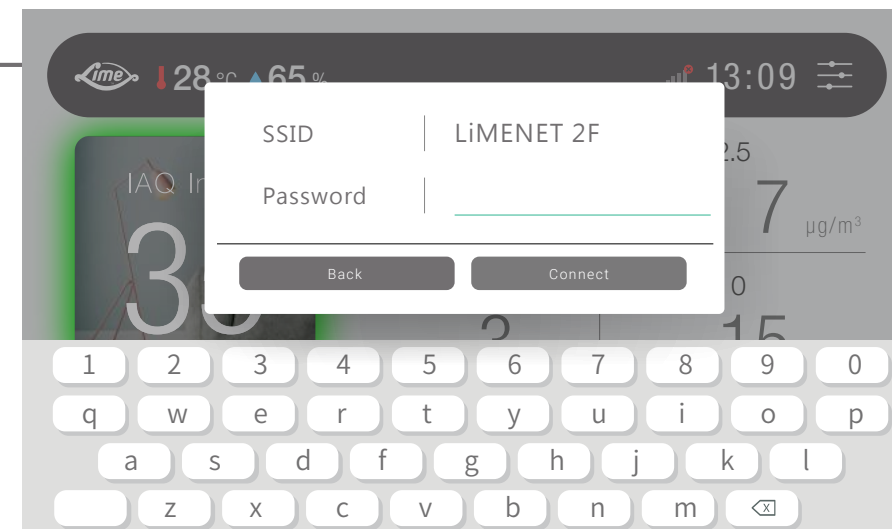
2
The main screen will then display.

GiA



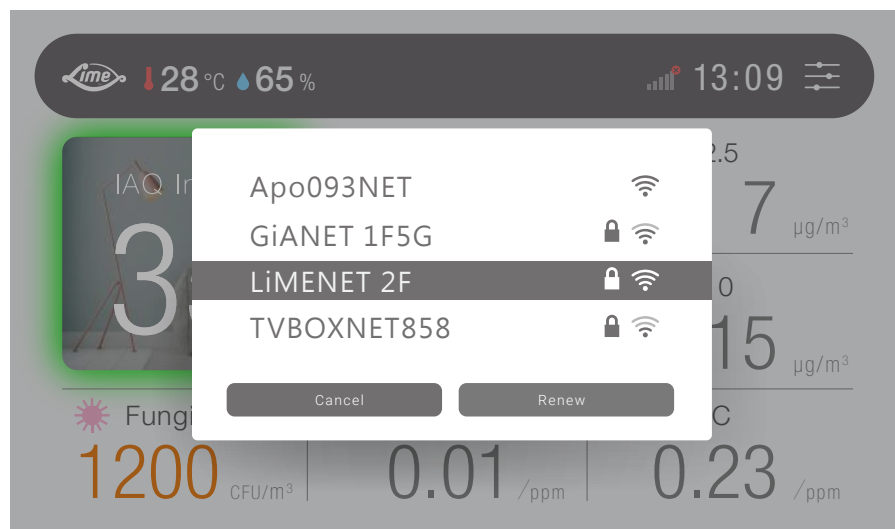
1

Click on the network connection icon



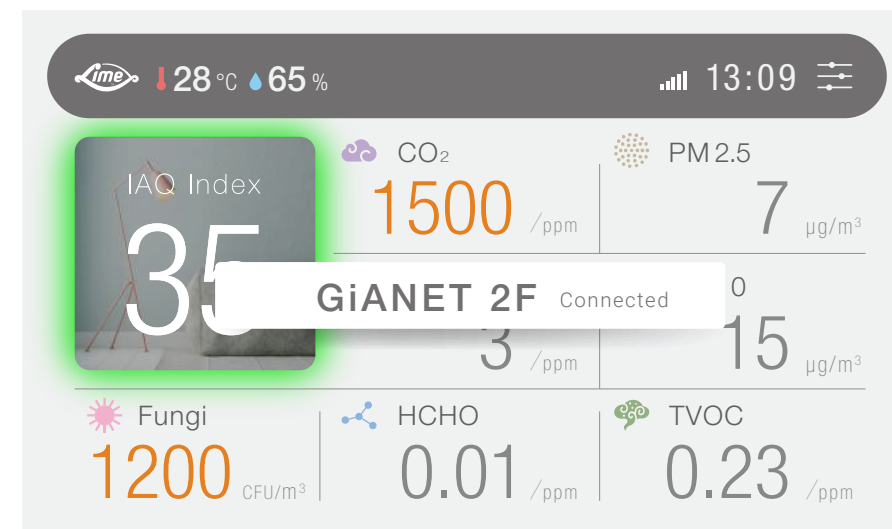
3

Enter the network password if required and click "Connect"



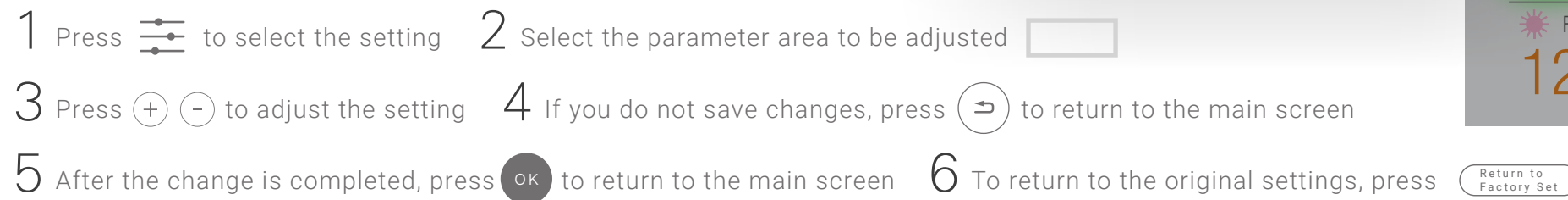
2

Connect to the wireless network of choice



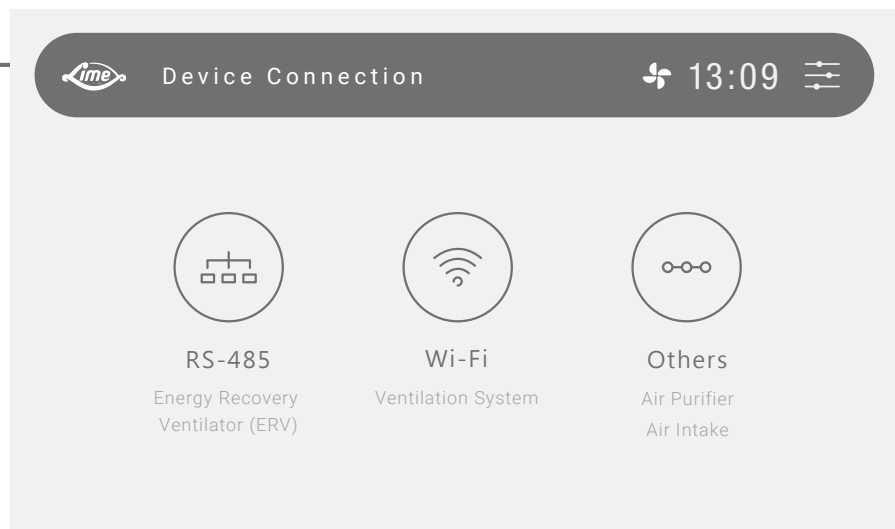
4

The network connection is completed



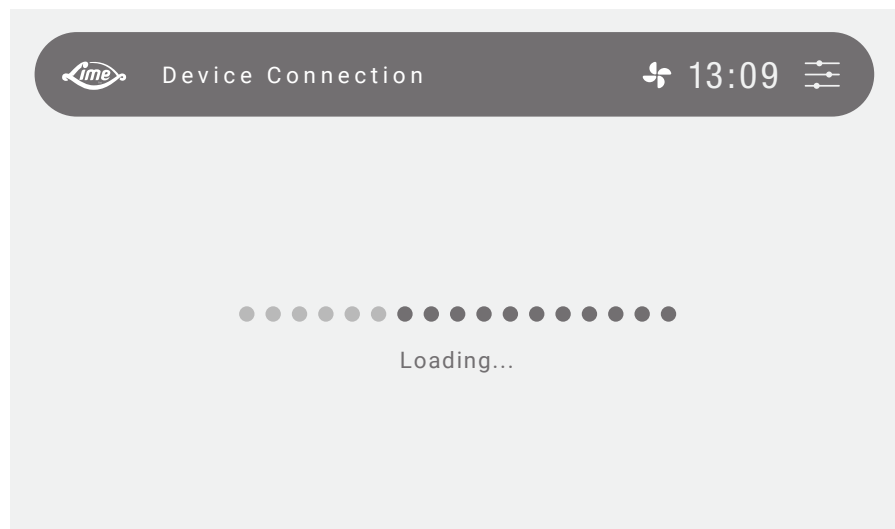
F

GiA



1

click the corresponding communications method



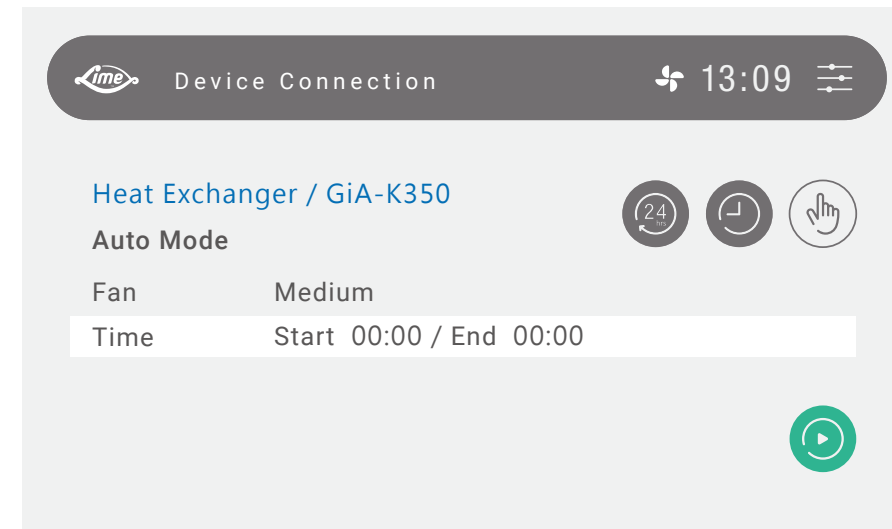
2

Wait for the device to connect



3

Select the device



4

Complete the connection by pressing the green play button



AC: choose this when the AC is turned on to reduce the electrical output of the AC unit

Fan: choose this when AC is turned off to encourage indoor ventilation

Smoke: choose this to reduce and remove smoke

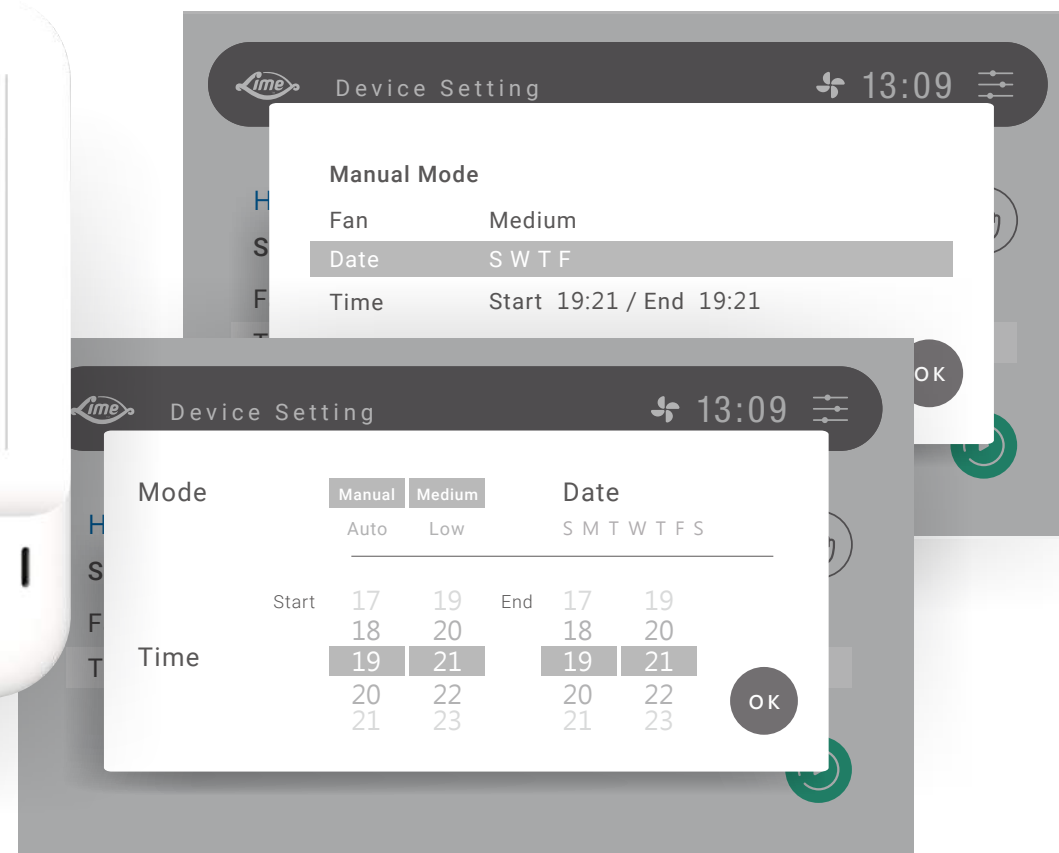
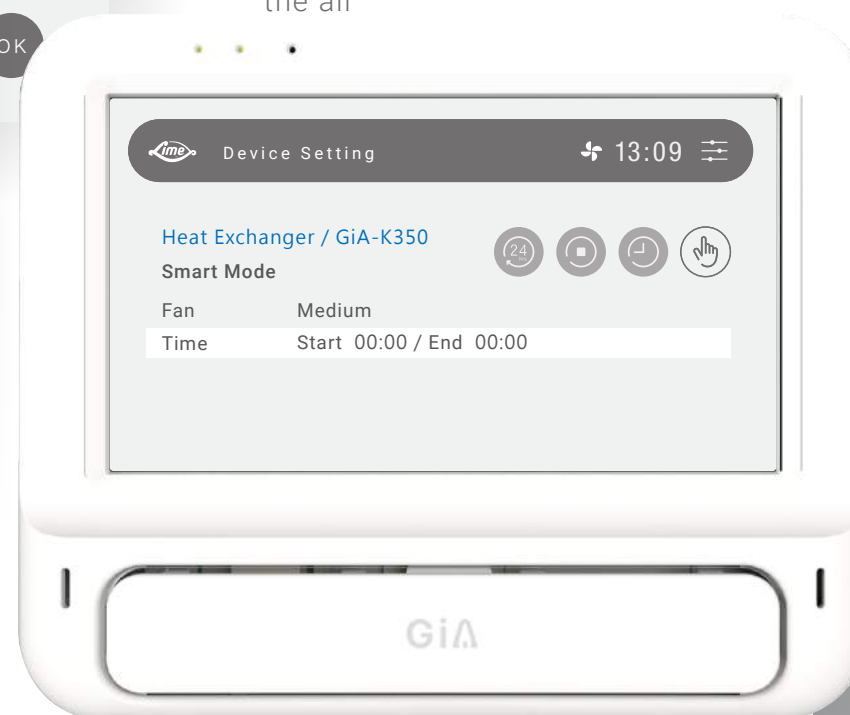
Odor: choose this to reduce and remove odors from the air

Party: choose this when there is a large gathering of people to encourage the flow of fresh air from outside

Cook: choose this when cooking to reduce and remove cooking odors

Clean: choose this when cleaning to remove harmful chemicals

Wet: choose this mode to reduce humidity overall



1 To select the situation according to the current state, press

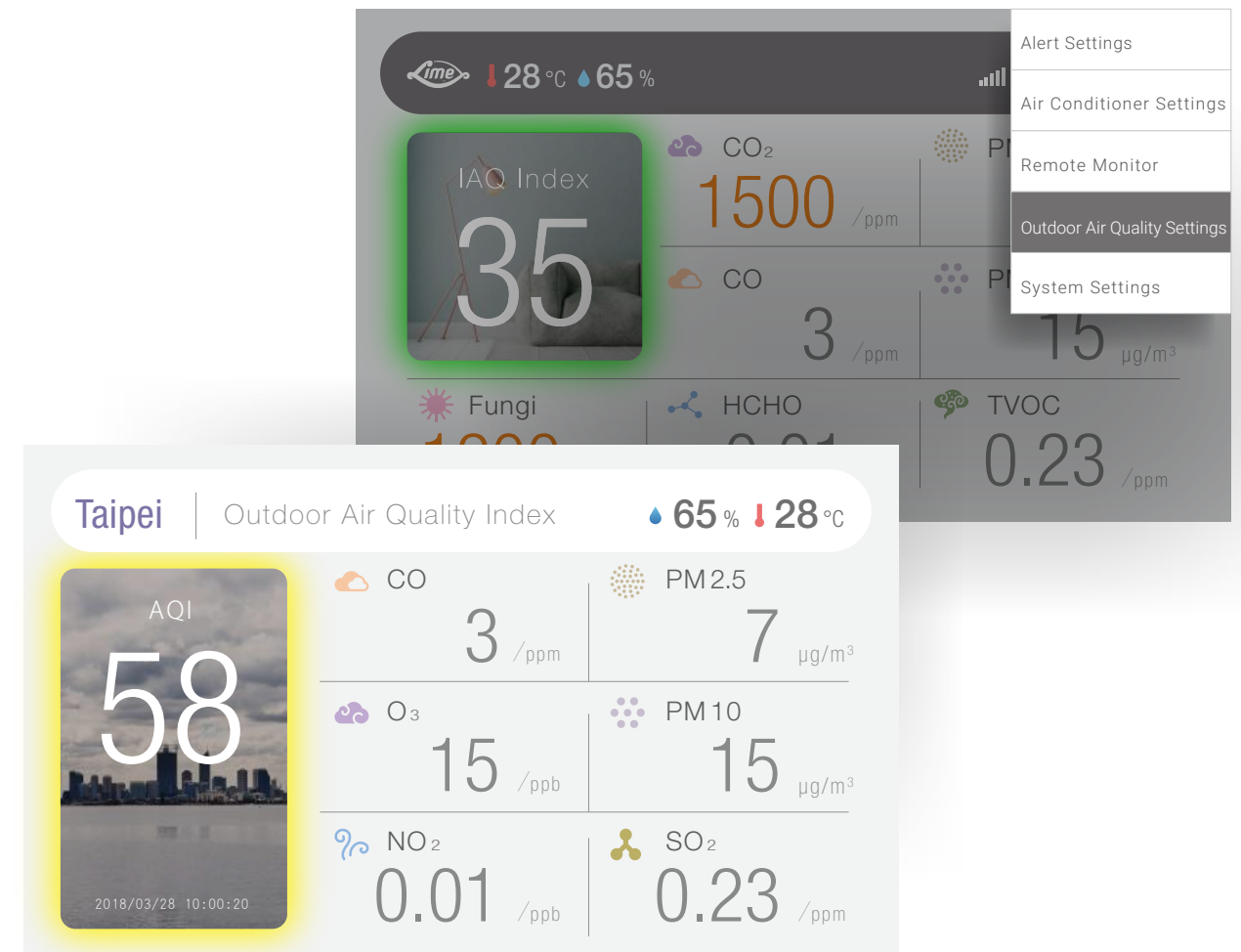
2 To Adjust the wind speed by pressing 3 To set a schedule, press

4 Pressing will allow the device to run for 24 hours in automatic mode or until the stop button is manually pressed



- 1 Press remote monitor in the setting menu
- 2 Use mobile phone to scan QR Code on the left to download the application
- 3 Use mobile phone to select settings and scan the QR code on the right of the device
- 4 After the setting is completed, mobile phone can remotely monitor the air quality.

- 1 To set the outdoor location, press the Outdoor Air Quality Settings in the setting menu
- 2 Slide the main page to the left twice to view the outdoor air quality



Dimension	200(L) x 167(W) x 40.5(H)
Power	DC-12V/1A
Display Interface	7" TFT LCD 1024x600 Resolution + Capacitive Touch Interface
Wireless Communications	2.4 GHz Wireless Network 802.11 b, g, n, BLE V 4.1
Wired Communications	Ethernet RJ45 10/100Mbps RS-485 Master Control output RS-485 Slave Sensing data reading
Sound	Built-in stereo output
Others	USB 2.0 Host

Model	GiA-K007-8	GiA-K007-10	GiA-K007-11	GiA-K007-12
TEMP	●	●	●	●
HUMI	●	●	●	●
CO2	●	●	●	●
CO			●	●
PM2.5	●	●	●	●
PM10	●	●	●	●
TVOC	●	●	●	●
HCHO			●	●
Ozone				●
FUNGI		●	●	●
Index	●	●	●	●

Read "Safety Precautions" before the usage and use it correctly.

To prevent injury to users and others and avoid property damage, be sure to observe the following.

Sensor	Type	Detect Range
PM2.5	Laser Active Sensor	0 - 1,000 µg/m ³ / Resolution 1 µg/m ³
PM10	Laser Active Sensor	0 - 1,000 µg/m ³ / Resolution 1 µg/m ³
CO2	NDIR	0 - 10,000 PPM / Resolution 1 PPM
TVOC	Semiconductor Type	0.05- 6.00 PPM / Resolution 0.01 PPM
CO	Electrochemical Sensor	0 - 500 PPM / Resolution 1 PPM
HCHO	Electrochemical Sensor	0 - 5.00 PPM / Resolution 0.01 PPM
TEMP	Semiconductor Type	0 – 50.0 °C / Resolution 1 °C
HUMI	Semiconductor Type	0 - 100% / Resolution 1%
Ozone	Electrochemical Sensor	0 - 10.00 PPM / Resolution 0.01 PPM

* Each sensor on the boot, there are individual stable time.

According to the screen display.

-  Do not install the product in locations where there is a suspected current leakage, water leakage or exposure to direct sunlight, overheating, fire and smoke, etc.
-  Do not unplug the power cord to stop the equipment that may cause electric shock, fire, and instrument malfunction.
-  Do not use damaged, processed, or bent power cords, which may cause electric shock and fire.
-  Do not modify or repair the product on your own. Improper repair may cause electric shock and fire. Please contact a professional.
-  If you find that the product is overheating, smoking, or giving off an odor, immediately turn off the power switch and unplug the power cord from the power outlet.
-  When installing accessories, turn off the power of the product and disconnect the power cord from the outlet.
-  Use AC110V 15A. Using sockets other than 110V may cause electric shock and fire.
-  Please plug in the power cord before usage. If you do not use this product for a long period of time, it is recommended that you unplug the power cord from the outlet to avoid danger.
-  Do not place items around the outlet so that you can unplug the power plug immediately if an abnormality occurs.

If your instrument is abnormal or does not turn on normally, check the above mentioned points. If the failure cannot be solved, please contact us.

? Shutdown under abnormal conditions

Is the power cord or plug deformed?

Replace the power cord set.

Is the power cord plugged in properly?

Plug in the power cord.

Is there a power surge?

Restart the product.

? Can't connect to LAN or Wi-Fi

Is the network device turned on?

Turn on the network device.

Is the network cable loose?

Plug in the network cable

Are other electronic products also unable to connect to Wi-Fi?

If so, contact the telecommunications carrier.

? Unable to interact with ventilation equipment

Check first if the machine is connected to the Internet.

? Does the detector need to be calibrated?

All built-in detectors have the automatic calibration function.

Federal Communications Commission (FCC) Statement

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

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.

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 of the device.

FCC RF Radiation Exposure Statement:

- 1.This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- 2.This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Your GiA carries a warranty period of one year from the time of delivery. Labels found on GiA indicates its authenticity. Altered, torn, or missing GiA labels is deemed as void of warranty. Please, keep this warranty card safely. During the warranty period, we offer one free factory calibration service and free maintenance services. We may charge for material and repair costs under the following circumstances:

- Failure to use Gia according to the guidelines set forth in the instructions manual
- Defects caused by improper use or natural disasters
- Unauthorized disassembly, modification, welding and/or adjustments

Date of Purchase:

Date:

Month:

Year: