

*please read the user manual carefully before operation. The guide picture is for reference only. Please in kind prevail.

For ABC to work properly, the device must continuously monitor CO2 levels for at least 7 days (power on). During that time, it will record the lowest CO2 level and set that as the 400 ppm baseline for future readings. Therefore, it is critical when using ABC calibration that the device be exposed to fresh air at least once during the 7 days It's not suitable to implement ABC in close area with higher CO2 level all the time.

your breath will affect the CO2 level.

01/Product Introduction

This high-stable indoor air quality monitor (hereinafter referred to as the monitor) is used for detecting the air quality in the indoor environment, including CO2, temperature and humidity (temperature and humidity are optional features). As a multifunctional and smart air quality monitor, the monitor adopts advanced sensor with high stability, small sensitivity drift and long service life, free from calibration operation. Aided by advanced Zigbee wireless technology, the monitor can report environmental data in real time stably and reliably. Once the monitor detects that the indoor air quality deteriorates excessively, the monitor will send alarm concentration information to the smart gateway, which will push alarm message to the mobile APP through the cloud server in real time remotely. So the user could learn about the home air environment at anytime, anywhere, and keep the home air quality at its best. The monitor is applicable in indoor environments such as residential houses, offices, etc.

02/Packing List · 5 5 5 6 m (%) (-) (+) (%)

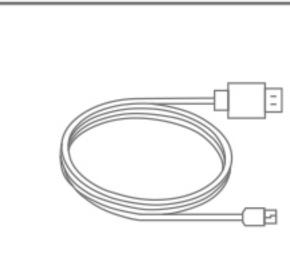
Air Quality

Monitor x1

User Manual

40mm

Positioning Mark



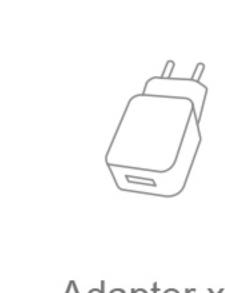
Micro USB

Accessories

Package x1



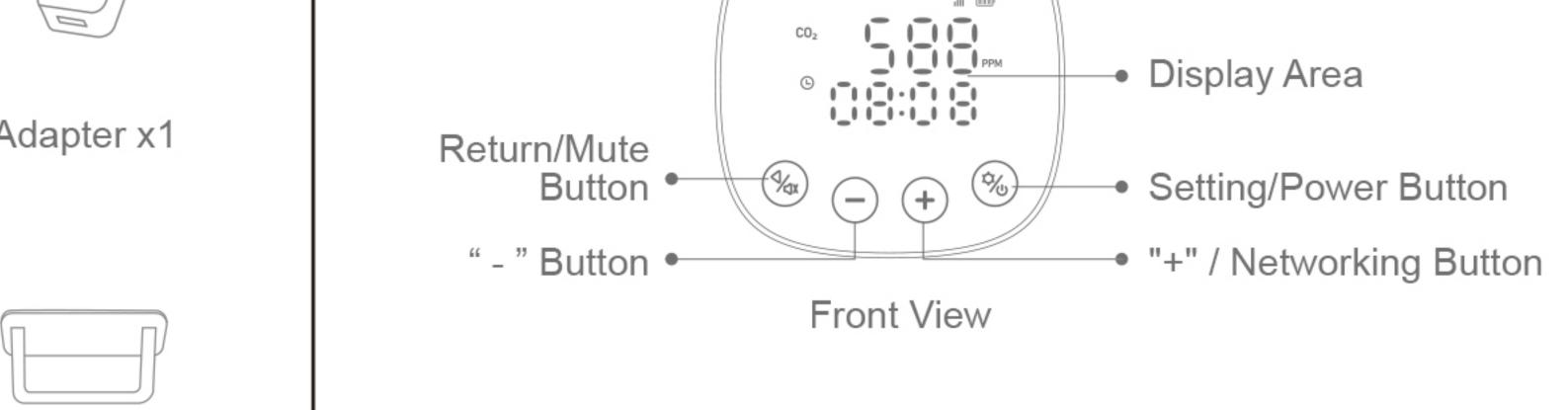




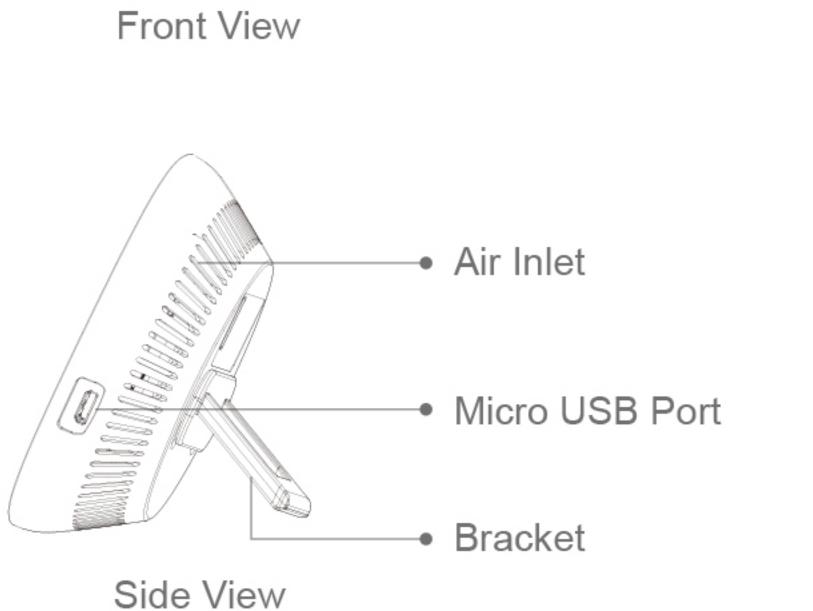




Bracket x1



03/Product Pictures



Air Quality Indicator

04/Product Features

- Large LED display shows CO2 level, temperature,
- humidity, date and time.
- 30 degree tilt angle makes the display easy to see and read.
- 3. Indoor air quality level indication: Good, Normal, and Poor.
- Stable NDIR sensor for CO2 detection.
- Visible and audible CO2 warning alarm. ABC (Automatic Baseline Calibration) CO2 calibration.
- 7. Maximum or minimum CO2 level, temperature, humidity alarm setting function.
- Do not disturb setting function.

05/Technical Parameters

Networking: Zigbee

Whichever is higher

Air Quality / CO2 Concentration:

2. drill the holes with a Φ 5 mm drill bit.

detector away from drilling dust!

1. Power Supply: AC adapter Input: AC 100~240V Output DC5V/1A Micro-USB 2. Backup Battery: Lithium Battery

7. Humidity: 10% to 95% (non-condensing)

8. Installation Location: Wall or desk-stand

9. CO2 Measurement Range:400-5000ppm

3. CO2 Sensor Type: non-dispersive infrared (NDIR) sensor

10. CO2 Accuracy: 100 ppm or 10% of the measured values,

Values can be adjusted on the CO2 setup page

13. Dimension: 90x90x26mm (Without bracket)

Good: <1000ppm Normal: 1000~2000ppm Poor: >2000ppm

12. Alarm Triggering:Poor: >2000ppm(can be adjusted on the CO2

- 4. CO2 Sensor Lifespan: max.10 years
- 2.Before using the monitor for the first time, set it up in a well-ventilated environment. (such as a well-ventilated living room) 6. Operating Temperature: -10°C to 40°C

06/Tips

- 3.In order to make sure the monitor is more stable. it is recommended the monitor start to work after 24 hours of charging. 4.Do not cover the monitor and in particular do not block the air inlets
- while the monitor is active. 5.Keep water and other liquids away from the monitor as it is not waterproof.

Before using the monitor for the first time, please read the following

1.Store and operate the monitor in a dry place out of direct sunlight

instructions carefully and observe all warnings, even if you are

familiar with the use of electronic devices.

to protect the components inside the monitor.

- 6.Do not insert sharp, flammable or metallic objects into the air inlets
- as this can result in an electric shock or burns. 7.Power should be supplied via the micro-usb cable and the AC adapter; the internal, built-in battery is only used for emergency
- power supply. 8.If the device has been dropped or otherwise damaged, it may not
- be used anymore.

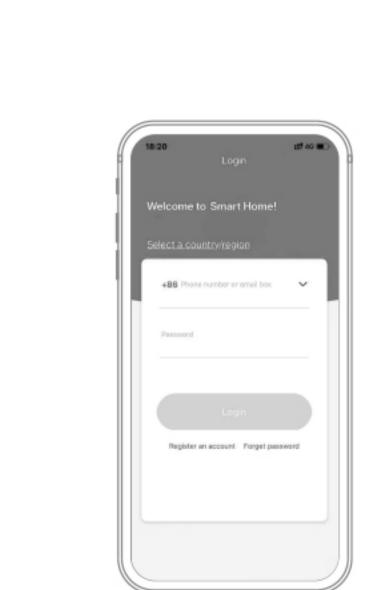
9.ABC Calibration

NOTE: Do not hold the monitor close to your face as

07/Quick Setting For Network Configuration

How to connect the monitor

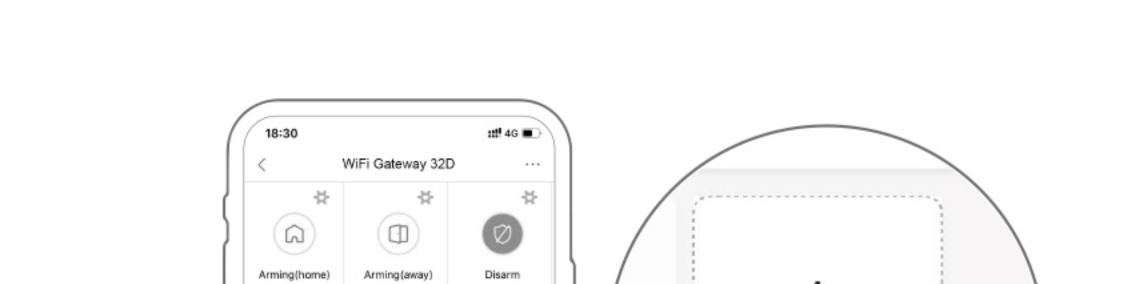
Connect the USB cable to power adapter, and insert the adapter into the socket to power on the monitor. Make sure that the mobile phone is connected to WiFi (and the WiFi is connected to the available network), open the APP on your mobile phone, register an account and log in.



Network configuration

Open APP, select gateway and click "+" on my gateway page to add Zigbee device, select "Air Quality" and continue the following

steps according to the APP prompt until the connection success.



Add a device

1.When the device is not added to network: press and hold " 🛨 " for approx. 5 seconds to enter the network inclusion interface. The network icon "[]]" will flash , and monitor will display a countdown from1:00 (1 minute) on till network inclusion is done.

2.When the device has been added to network: press and hold " 🛨 " for approx. 5 seconds to enter the networking interface. Monitor will display the network icon " 📶 " and " ON LINE ", press " 🛨 " once again within 5 seconds, the device will quit the network firstly and then start networking again. The network icon " 📶 " will flash , the screen will display a countdown from 1:00 (1 minute) on till network inclusion is done.

Note: During the network inclusion process, press " 🛨 " again will stop the process, and the network icon "III " will keep on, monitor will display " OFF LINE " and return to the homepage after 1s; the network icon " 📶 " on the homepage is off.

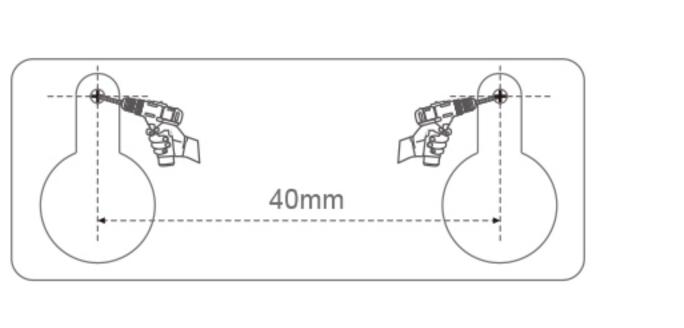
- Due to the APP upgrade and update, this guidelines may be slightly different from the actual operation, please follow the
- * If networking failed, please move the device closer to the
- gateway and try again. * Please add the device to the gateway first, and then install and

08/Installation

instructions in the APP.

Wall installation

 Tear off the back film, adhere the positioning mark to an appropriate position.

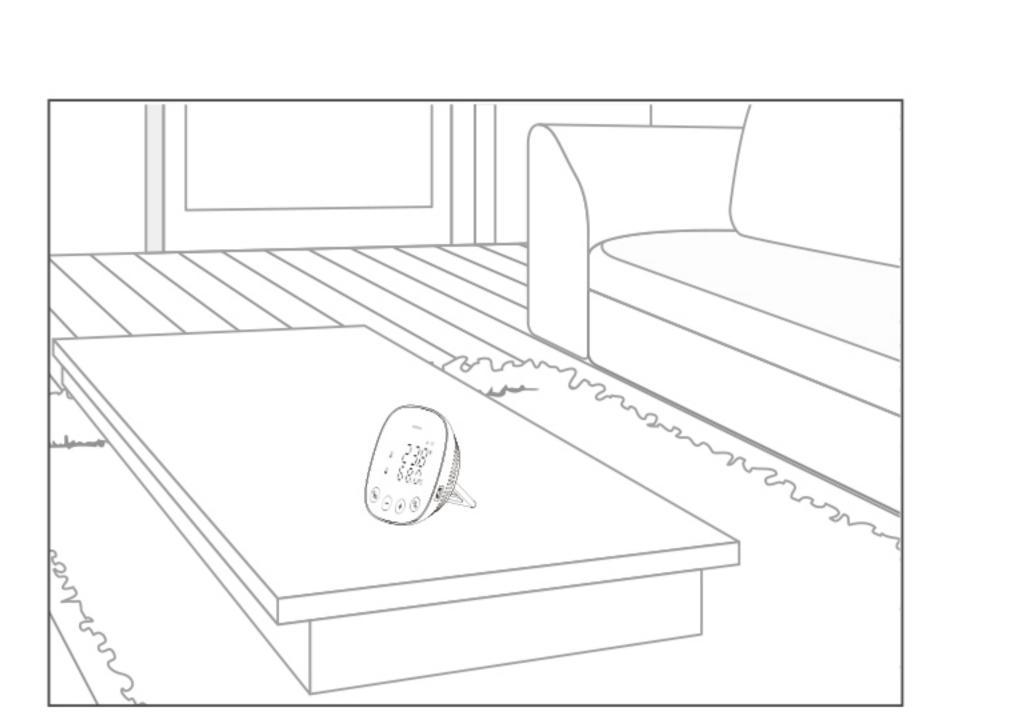


1. Press and hold "﴿ and "﴿ at the same time for approx.

2 seconds, the device will enter setup mode and setup icon

Desk-stand

- 1. Fold out the table base on the underside of the housing and
- place the monitor on a flat and dust-free surface. 2. Ensure that the monitor is stable and that no objects interfere with the penetration of CO2 into the monitor.



09/Operating Buttons

(approx. 5 seconds).

exit current setting.

1.In normal state, switch display with a short press. 2.In setup mode, move on position to the left. 3.In setup mode, decrease value by one.

1.In normal state, switch display with a short press. 2.In setup mode, move on position to the right. 3.In setup mode, increase value by one. 4.Enter network inclusion state with a long press

1.In normal state, enter mute mode with a short press. Shortly press it once again to exit mute mode. 2.In setup mode, return to previous page with a short press,

1.Power on/off with a long press(approx. 5 seconds). 2. When powered via AC adaptor, in normal state, turn off/on the screen display with a short press.

3.Press and hold "(%)" and "(%)" at the same time for approx. 2 seconds, the device will enter setup mode. 4.In setup mode, short press to enter the setup state for current

10/Display Symbols

CO₂ Carbon dioxide (CO2)

PPM CO2 content in parts per million (proportions of CO2 per million molecules in the air)

°F Degrees Fahrenheit

Air temperature

% Percent

◁x Mute

°C Degrees Celsius

Relative humidity

Time and date

Data flashing | Alarm tone for

ııl Zigbee

WiFi Gateway 32D

colorful light Add a device

Devices in total: 2PCS | Devices online: 0PC

Setup

MAX maximum value MIN minimum value

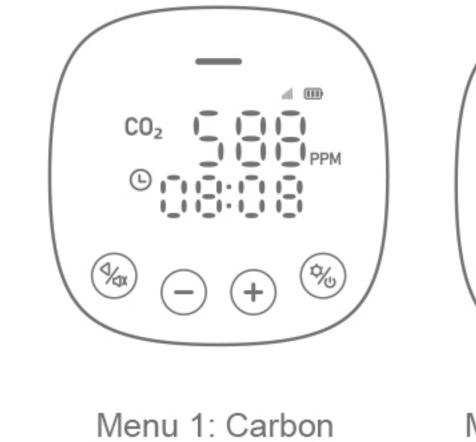
End time

— Air quality indicator (Green:good; Yellow:normal; Red:poor)

1 / Menu Pages Of The Display

1.When the monitor is switched on, the "CO2" menu will be appear first.

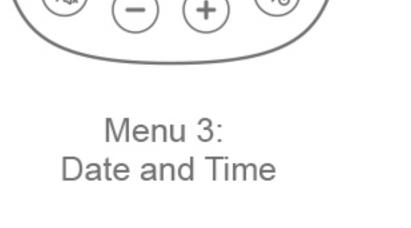
2.In standby mode, press the " (+) " or " (-) " button to go to the next / previous page.











" 🗘 " is lighted on. 2. Short press "(+)" or "(-)" to switch on display. Short press

12/Edit Menu Settings

"(%)" to enter the setup state for current display page. CO2 setup page

⇔ MAX MIN IIII

(%x) (-) (+) (%)

PPM

short press "+" or "-" to increase/decrease the value. 2. Set min. value for CO2 alarm: MIN and min. value flash, short press "+" or "-" to increase/decrease the value.

1. Set max. value for CO2 alarm: MAX and max. value flash,

3. Short press "(%)" to switch between max. and min. value setting.

4. Short Press " (%x) " to save set values and go back to previous page.

5mm

Important: do not damage any cables when drilling and keep the

push the plastic dowels into the drilled holes and screw in the

screws until the screw heads protrude approx. 5 mm.

4.Then hang the product on the screws to complete the

1. Set max. value for humidity: MAX and max. value flash,

short press "+" or "-" to increase/decrease the value.

Humidity setup page

2. Set min. value for humidity: MIN and min. value flash, short press "+ or "- to increase/decrease the value.

3. Short press " (%)" to switch between max. and min. value setting.

4. Short Press "(‰)" to save set values and go back to previous page.



Time and date setup page

display page.

1.Number flashes, short press "+" or "-" to adjust the time and date.

1.Number flashes, short press "+" or "-" to adjust the time

time and date setting. 3.Short press "﴿ to save set values and go back to previous page.

2.Short press "%" to switch between

Note:Time and date will be more accurate after the monitor is connected to the network.

and date. max. and min. value setting.

"Do Not Disturb" setup page

and go back to previous page.

Battery power (Green: > 50%; Yellow:25-50%; Red: < 25%)

13/LED Display And Tones

When powered via AC adapter

Display LED Screen off, CO2, flashes green every 5 seconds Screen off, CO2, flashes yellow content normal every 5 seconds Screen off, CO2, flashes red

When powered by battery: When the carbon dioxide level changes to "poor", the display turns on, the red LED and the display flash, and the alarm tone sounds for 30 seconds. After that, the red LED and display continue to light for 1 minute; then the screen turns off. The red LED will flash every 5 seconds until the CO2 level returns to normal,

then the yellow LED Will flash every 5 seconds until the CO2 level returns to

When the carbon dioxide level changes to "poor", the display will turn on, the red LED and the display will flash for 30 seconds. After that, the red LED and display continue to light for 1 minute; then the screen turns off.

The red LED will flash every 5 seconds until the CO2 level returns to normal, then the yellow LED Will flash every 5 seconds until the CO2 level returns to good, and then the green LED will flash every 5 seconds. The default time for "Do not disturb" is 22: 00-08: 00 The time can be adjusted in the settings.

good, and then the green LED Will flash every 5 seconds. 3. When "Do Not Disturb" is active:

4. Temperature and humidity: When the temperature and humidity values fall below or exceed, there are the same displays as for the CO2 content, but without an alarm sound. Default values temperature: min. 15 ℃, max. 35 ℃ Default values humidity: min. 15%, max. 90%. The default values can be adjusted in the settings.

14/Information On The Battery

This product contains a backup lithium-ion battery. Backup batteries may only be replaced or removed by professional. Do not charge or use the product in environments where there is a risk of explosion, e.g. from flammable liquids, gases or dust. Never burn the product! The battery may explode in the fire. This would also release toxic substances. Only use the micro USB cable provided and a suitable charging device (power supply unit 5V DC) to charge the device. Backup battery: It can support device normal operation for about

6 hours, and there is a built-in charger protection design. Charge

for at least 24 hours if it's for the first time.(The battery life value

here is for reference only, as it varies in different conditions.)

15/Cleaning

 Dusty monitors have to be cleaned. Dust deposits in the air inlets of the monitor can be vacuumed or blown out. If necessary, you can remove the dust with a brush.

 The surface can be cleaned using a cloth lightly moistened with soapy water. Do not allow water to enter the inside of the device!

Do not clean the device in a dishwasher!

materials or hard brushes! Do not use chemicals and do not clean the monitor with highly flammable liquids!

Do not use sharp, pointed, abrasive, or corrosive cleaning

4. Short press "%" to switch between max. and min. value setting.

Temperature setup page

between °C and °F.

5. Short Press "‰" to save set values and go back to previous page.

1. " °C/°F " icon flashes, short press "♠ " or "♠ " to switch

2. Set the max. value for temperature: MAX and max. value flash,

short press "+" or "-" to increase/decrease the value.

3. Set the min. value for temperature: MIN and min. value flash,

short press "+" or "-" to increase/decrease the value.



16/Fault Analysis And Troubleshooting

Troubleshooting
Check that the power supply unit is powered and that the meter is firmly plugged in.
Charge the battery for more than 24 hours.
Check that the airflow channels on the back of the meter are not blocked.
Contact your dealer.

17/Statement

 The information in the user manual is for reference only and does not constitute any form of commitment. 2. Without the written permission of the manufacturer, any individual or organization shall not extract or copy part or all of the contents of this user manual, and shall not spread

it in any form. 3. As the technology is constantly updated, the manufacturer reserves the right to modify the user manual without prior notice. If the user manual and the actual operations are inconsistent, the final interpretation is reserved to the manufacturer herein.