Air Quality Monitor

Product Instruction Manual

APP download

product info

Thank you for choose our product, in order to use this product better,
please read the instruction manual carefully

FCC Warning Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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.FCC Radiation Exposure Statement The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co located for operating in conjunction with any other antenna or transmitter. 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.

Precautions

1.Do not use in the bathroom or wet environment, it may affect the life of the product.

2. The product is not waterproof, please avoid rainwater and other use environments.

3. In order to ensure the stable operation of the product, please place the product on a horizontal plane and a height of more than 20cm above the ground.

4. Do not use it in a place where a lot of oil smoke is generated (such as the kitchen) to avoid blocking the air intake of the product.

5. Do not use USB cables that are not original products to avoid danger.

6. Do not use gasoline, paint thinner, etc. to wipe the product, and do not spray pesticides on the product, otherwise it may cause surface cracks, product failure, fire and other accidents, and will have a significant impact on data detection.

7. Do not insert fingers or other foreign objects into the ventilation holes at the rear of the product, and there should be no obstacles blocking the air inlet and outlet at a distance of 5cm from the rear.

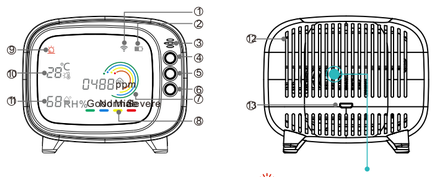
8. Please place the product in a place out of reach of children, and ensure that the product is placed smoothly and not easily dropped to prevent injury.

9. In the state of heavy pollution, the color ring turns red, and the alarm light of the product flashes and the buzzer emits an alarm sound, reminding the user that the current indoor environment is in a state of heavy pollution, which is not good for health, and you should turn on the fresh air system or turn it on. window ventilation.

10. When you use the device, water vapor must not condense on the carbon dioxide sensor. The condensed water vapor or the water marks left after evaporation will seriously affect the accuracy of the measured values of the detector, and may not be repaired!

11. Do not put the device close to your face, the carbon dioxide exhaled by the human body will affect the accuracy of the detector readings.

Explanatory Chart



There will be an alarm sound from a buzzer when alarming

① WIFI indicator(non-WIFI does not display)
② Battery indicator
③ Temperature/ Humidity pinhole
④ Alarm setting key
⑤ WIFI distribution key/CO2 concentration calibration key
⑥ Power button
⑦ IAQ concentration indicator ring
⑧ Air quality level
⑨ Alarm flashing light
⑩ Temperature
⑪ Humidity
⑫ Air inlet
⑬ USB Charger

Product specifications

Physical dimension：（L*W*H）100mm*76mm*83mm
Screen specifications：（L*W）70mm*54. 5mm
Mode:WIFI version/no WIFI version optional
Battery: 2000mAh
USB cable:micro USB；cable length:1000mm
Alarm method: Alarm light flashing and Buzzer waming
Input power: 5V/2A (optional)
Operating temperature range:-5℃ +45℃
Saving temperature range:-20℃ +50℃
Net weight：190g

Measuring range

Name	Measuring range	Precision
CO2	400～5000PPM	±（50PPM+5% of reading）
Temperature	-9～50℃	±1℃
Humidity	0～99%RH	±2%RH

IAQ Air Quality Level

Color	Level	CO2（PPM）
	Good	400～1000
	Normal	1001～1500
	Mild contamination	1501～2000
	Severe pollution	＞2000

Product function and usage1

1. IAQ concentration indicator ring: According to the color displayed on the screen indicator ring, compare the "IAQ Air Quality Grade" table to understand the corresponding CO2 concentration value range and indoor air quality grade.
2. CO2 concentration calibration key: This product adopts NDIR non-split infrared CO2 sensor. According to the characteristics of the sensor, in order to ensure the accuracy of the CO2 concentration test, when the new machine you purchased is used for the first time, it is recommended that you turn on the power and take this product outdoors. After leaving it for 30 minutes, press the "CO2 concentration calibration button" with your finger twice continuously. After triggering the calibration button, the product emits a long beep of "di", and then the number on the screen flashes. At this time, the calibration state is entered. After Five minutes The product emits three sounds of "di, di, di" after the calibration is completed, the digital display on the screen returns to normal, and you can use it normally; in long-term use, it is recommended that you repeat the above steps to calibrate once every three months to maintain the concentration detection. accuracy.
3. Power button: After pressing the switch button, the product is powered on, and the sensor is in preheating and working state. When using it for the first time or after a long-term shutdown, it is recommended that you turn on the product and work continuously for 24 hours according to the characteristics of the sensor. The detection data is more accurate after entering the steady state. In addition, if the light emitted by the product screen interferes with you when you are resting at night, you can tap the power button to turn off the screen. If you want to restore the screen display, tap again to restore it. When you want to shut down, press and hold the power button for 3 seconds, the screen will turn off, and the product will stop working; if the product has not been charged for a long time, the battery will lose power and emit a long beep and then shut down.
4. Alarm setting button: The alarm mode is turned on by default when it is turned on for the

Product function and usage2

first time. The alarm mode will be saved after setting. When the indoor environment reaches heavy pollution, the IAQ air quality level color ring will display red, the upper left corner of the alarm logo will flash, and the buzzer will give a prompt. The sound reminds the user that the current indoor environment is in a state of heavy pollution, which is not good for health. You should turn on the fresh air system or open the window for ventilation! When the user receives the alarm, press the "alarm setting key" to clear the alarm. If you do not clear the alarm, the product will keep the alarm reminder state for three minutes. If the user does not press the "alarm setting key" to clear the alarm after three minutes, the bee The buzzer will stop the alarm sound, and the alarm light will keep flashing, prompting the user to deal with the indoor pollution environment in time; if you do not want to use this function, you can press and hold the "alarm setting key" for 2 seconds, the alarm symbol in the upper left corner disappears, and exit the alarm mode ; When you want to restore, press and hold the "alarm setting button" again for 2 seconds, the alarm symbol in the upper left corner will be displayed, and the alarm mode will be turned on; if you have purchased a product with WiFi function, the above operations can be performed after the product is connected to the mobile APP, Operate on the APP interface.
5. Wi-Fi distribution button: If you purchased a product with WiFi function, first scan the QR code at the bottom of page 7 of the manual with your mobile phone, download the corresponding APP, and press and hold the WiFi distribution key 5 after powering on. In seconds, the WiFi indicator on the screen will enter the flashing state of the device to be connected to the network; open the APP, click to enter the add device access page, enter the WiFi account and password, and start the network configuration; when the APP page shows that the network configuration is successful, the WiFi indicator on the screen stops flashing. The network is successful, and the device is added successfully.
6. For the detector which you added on the APP, you can view the gas concentration curve on the APP.

Name of the hazardous substance in the product

Name of part	Harmful Materials					
	lead（Pb）	HG（Hg）	Cadmium（Cd）	Hexavalent chromium（Cr(VI)）	Polybrominated biphenyls（PBB）	Polybrominated diphenyl ethers（PBDE）
Case	0	0	0	0	0	0
Screen	0	0	0	0	0	0
Circuit board	0	0	0	0	0	0
Battery	0	0	0	0	0	0

This form is made by accordance with the provisions of SJ/T11364.
0: Indicates that the content of the hazardous substance in all homogeneous materials of the part is below the limit requirement specified in GB/T26572-2011.
X: Indicates that the content of the hazardous substance in at least one homogeneous material of the part exceeds the limit requirement specified in GB/T26572-2011.

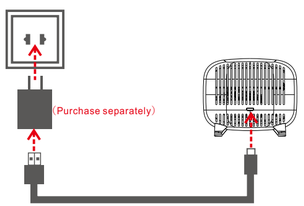
Warranty Description

The after-sales service of this product is strictly in accordance with the "Consumer Rights Protection Law of the People's Republic of China" and "Product Quality Law of the People's Republic of China" to implement after-sales three-guarantee services. The service content is as follows:
1. Within seven days from the date of receipt by the customer, if the product has the performance failure listed in the "Product Performance Failure Table", the basic solution cannot be solved. After confirmation by the after-sales service department, the customer can get free return or exchange service .
2. Within 8 to 15 days from the date of receipt by the customer, the product has the performance failure listed in the "Product Performance Failure Table", and the basic solution cannot be solved. After confirmation by the after-sales service department, the customer can get a free replacement. or repair service.
3. Within 12 months from the date of receipt by the customer, if the product has a performance failure listed in the "Product Performance Failure Table", the basic solution cannot be solved. After confirmation by the after-sales service department, the customer can obtain free maintenance services.

Non-Warranty Regulations

1. Unauthorized maintenance, misuse, collision, neglect, abuse, liquid ingress, accident, alteration, incorrect use of non-product accessories;
2. Tear up, alter labels, anti-counterfeiting marks, etc.;
3. The validity period of the three guarantees has exceeded;
4. Failure of this product and accessories due to human reasons;
5. Damage caused by irresistible external causes.

Power Management



Troubleshooting list

Fault	Reason	Solution
Unable to boot	No power Use charger	To power up
Unable to charge	Charger not properlyconnected	Reset the charger
Unable to connect the wifi	Wrong password entered	Recheck the password
APPcan not display product data	Router not connectthe internet	Reset the router
Unable to connect to server cloud	Disconnect to WIFI	Restart