

Qingping Air Monitor User Manual

Welcome to Qingping Air Monitor.

Charging

Please charge the device with a USB power adapter with an output parameter of 5V. This device can be connected to the power adapter for a long time.

Start using

In the off state, long press the button on the top of the device.
If it does not turn on, please charge the device.

Switch main interface

You can switch the main interface by swiping your finger left or right on the screen.
You can also switch the main interface by short pressing the button on the top of the device.

Reading

Switch the main interface to the reading interface. There are large-size readings on the interface, and there are also small-sized readings. You can click on the reading in the small print to make it appear in large print.

Initialization of the tVOC sensor

The tVOC sensor automatically initializes when it is turned on and off for more than 7 days after the first power-on or power-off, which takes 240 minutes. The shutdown time is less than 7 days and then turned on again, it will also be initialized automatically, the time required is less than 12 minutes. During the initialization process, you can see a progress countdown at the tVOC reading.

Calibration of tVOC sensor

After the tVOC sensor has been initialized, the tVOC sensor will be calibrated on the reading screen. Calibration means placing the monitor in a well-ventilated position, keeping it turned on, and the tVOC sensor automatically calibrates.

During daily use, if you think that the tVOC reading is not accurate, you can calibrate the monitor at any time and leave it in a well-ventilated position for 30 minutes or longer while remaining on.

Historical data

Switch the main interface to the reading interface to view the historical data of the reading when a reading is in the large display state.

Reading interpretation

Switch the main interface to the reading interface. When a reading is in the large display state,

click on the reading character to view the reading.

Screen brightness

The screen brightness defaults to automatic adjustment. If you need to adjust manually, please switch the main interface to the control interface, turn off "Automatically adjust brightness", then press and hold the brightness slider and slide left or right.

Close the screen

Automatically close the screen: Switch the main interface to the control interface, enter the "Screen" section, enable the automatic closing of the screen, and adjust the time period of automatic closing.

To manually turn off the screen: Press and hold the button on the top of the device to select "Close Screen" after the menu for powering off or turning off the screen appears.

Connect "Qingping Air" mobile App

Switch the main interface to the control interface, enter the "Qingping Air App", and then follow the prompts.

Once connected, you can use your phone to view the monitor's readings and share the device with friends and family.

"Qingping Air" mobile App download address is cleargrass.com/air

You can also scan the QR code below to download:



Connecting air conditioning equipment

Switch the main interface to the control interface, enter the "Air Conditioning Device", and then follow the prompts.

Qingping Air Monitor can be linked with air conditioning equipment such as air purifiers, fresh air blowers, humidifiers, dehumidifiers, air conditioners, and heating systems to improve room air quality and comfort in a smarter and more efficient way.

Qingping is glad to work with all air conditioning equipment manufacturers. We have a mature open API, please send an email to bd@cleargrass.com for business cooperation, we will respond as soon as possible.

Reset

Switch the main interface to the control interface, enter the “Restore Factory Settings”, and then follow the prompts.

Sensor failure

When the sensor fails, the reading is displayed as a horizontal bar.

Detection substance and range instructions

Detection substance	Range
PM2.5	0 ~ 999 $\mu\text{g}/\text{m}^3$
tVOC (total volatile organic compounds)	0.005 ~ 9.999 mg/m^3
Carbon dioxide	0 ~ 9999 ppm
Temperature	-10 ~ 50°C
Relative humidity	0 ~ 100%RH

PM2.5 (fine particles)

PM2.5 is a generic term for solid particles or droplets of less than or equal to 2.5 microns in diameter that can be inhaled into the alveoli and can cause damage to the respiratory and cardiovascular systems.

tVOC (total volatile organic compounds)

tVOC is a total volatile organic compound containing thousands of compounds that may have irritating odors, some of which are harmful to humans. When there is an increase in indoor staff, or when cooking, eating, cleaning, makeup, etc., the tVOC reading may increase significantly, it usually falls back after the relevant activity ends or is ventilated. When there is an unsealed alcohol-containing substance near the monitor, the tVOC reading will also increase significantly. Indoor tVOCs may also come from combustion products of coal or natural gas, tobacco, etc., as well as materials used in construction and decoration, furniture, and household appliances.

Carbon dioxide

Carbon dioxide is a common compound in air, accounting for about 0.04% (400 ppm) of atmospheric volume. It is usually produced by burning organic compounds, respiration of cells, fermentation of microorganisms. Indoor carbon dioxide is mainly from human breathing.

Temperature and relative humidity

The temperature experienced by the human body depends on a number of factors, such as temperature, heat radiation, relative humidity, wind speed, human activity, health and dress. Temperature and relative humidity are two important factors that affect human comfort. In winter, when the temperature is between 20 °C and 24 °C and the humidity is between 30% RH and 60% RH, the human body feels more comfortable. In summer, the temperature is between 23 °C and 26 °C, and the humidity is between 25% RH and 60% RH. The human body feels more comfortable.

Attention

This product has no waterproof or dustproof function. When placing this product near a working

ultrasonic humidifier, the PM2.5 reading may be too high. Do not throw this product into a fire to avoid an explosion. Do not disassemble this product yourself to avoid injury.

Basic parameters

Product model: CGS1

Product size: (to be provided)

Screen size: 3.1"

Screen resolution: 720 × 720

Wireless network: Wi-Fi IEEE 802.11b/g/n 2.4GHz

Battery type: Lithium ion battery

Capacity: 2000mAh

Power interface: USB-C

Rated Input: 5V (1.5A)

CMIIT ID: (To be determined)

Executive Standard: (To be determined)

Product performance fault list

Name	Fault performance
Fault	Unable to start up
	Unable to charge
	The screen cannot be swiped and clicked.
	Unable to connect to Wi-Fi
	The sensor is not working properly.
USB-C charging cable	Unable to power the device properly.

Common problem

Problem	Solution
Unable to start up	Please make sure that the battery is fully charged. If the battery is low, please charge it before attempting to turn it on.
Unable to charge	Use a power adapter with a rated output of 5V (1.5A); make sure both ends of the charging cable are plugged in.
Unable to get weather information	Make sure the monitor is connected to Wi-Fi; make sure Wi-Fi is connected to the Internet.
Unable to connect to Wi-Fi	Make sure the monitor is in a good Wi-Fi coverage area; try restarting the device and try again.

Warranty description

The service of Qingping Air Monitor products is strictly based on the Law of the People's Republic of China on Consumer Rights Protection and the Product Quality Law of the People's Republic of China. The service is as follows:

1. Within 7 days from the date of your receipt, the product has the performance failure listed in the "Product Performance Failure List". It is determined by the Qingping After-sales Service Department that you can return or exchange service free of charge;
2. From the 8th to the 15th day after the signing of the next day, the product has the performance failure listed in the "Product Performance Failure List". It is determined by the Qingping After-sales Service Department that you can have the replacement or maintenance service free of charge;
3. Within 12 months from the date of your receipt, the product has the performance failure listed in the "Product Performance Failure List". It is confirmed by the Qingping After-sales Service Department and can have the maintenance service free of charge.

Non-warranty regulations

1. Unauthorized repair, misuse, collision, neglect, abuse, liquid injection, accident, alteration, improper use of accessories that does not belong to this product;
2. tearing, altering stickers, anti-counterfeiting marks, etc.;
3. The validity period of the "three guarantees" (for repair, replacement or compensation of faulty products) has been exceeded;
4. Damage caused by force majeure;
5. Does not meet the performance failures listed in the Product Performance Fault List;
6. This product and its accessories have caused performance failures listed in the Product Performance Fault List due to human factors.

Qingping Technology (Beijing) Co., Ltd.

Address: 401, Block B, Fangheng Times Center, No. 10 Wangjing Street, Chaoyang District, Beijing, China

Website: cleargrass.com

Tel: 400 697 2778

E-mail: support@cleargrass.com

FCC STATEMENT:

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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:

- 1) Reorient or relocate the receiving antenna.
- 2) Reorient or relocate the receiving antenna.
- 3) Reorient or relocate the receiving antenna.
- 4) Consult the dealer or an experienced radio/TV technician for help important announcement