AirRadiȯ

AIR QUALITY MONITOR A2-SE INSTRUCTION

1 Air Quality Monitor

Air Radio A2-SE, air monitor series products, was designed and published by Beijing Weiguo Technology Co., Ltd.
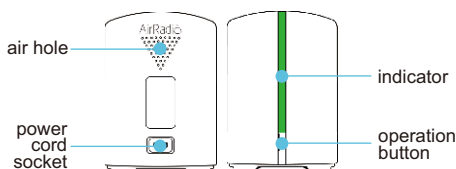
Please apply it with "Air Radio" mobile app

Because the product function is being updated constantly, some items in this instruction may not be available to updated products.

To get the latest User Manual, please go to our website at: http://www.weiguopay.com

2 Product Overview
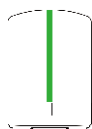
air hole

power cord socket

indicator

operation button

3 Features

This product applies independent precise physical sensor that is for measuring temperature, humidity, PM2.5, PM10. It is able to upload the real-time data to cloud when it is connected to network, allowing users to review the environment monitor data, dangerous gas concentration, and share data with others distantly via mobile App.
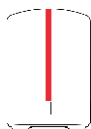
4 Instruction of LED Status Strip

Normal Work Status
The LED status strip keeps lighting to indicate the PM2.5 concentration with three levels differentiated by three different colors.

Green	**Yellow**	**Red**
0<=PM2.5<=35	35<PM2.5<=115	115<PM2.5<=999
level one	level two	level three
excellent	good	serious polluted

Network Adaptation

LED strip blinks frequently (5 times/s) with yellow light: in the progress of network adaptation

LED strip blinks slowly (1 time/s) 3 times with green light: network adaptation finishes (in the normal work status)

LED strip blinks slowly with red light: Network adaptation fails)

Low Power Status

LED strip blinks 10 times slowly with red light (turn off the device automatically)

5 Button Operation

Press and hold (for more than 3 seconds): turn on / turn off the device

Hit the button quickly (for 3 to 5 times): Redo the network adaptation

Press and hold the button during network adaptation: cancel network adaptation

6 Let's Get Started to Use

There are two methods of network adaptation. On one hand, when power on, if the device has never connected to any WIFI hot point, the LED strip flashes quickly with yellow light to enter the network adaptation status; on the other hand, if the device works normally but the network condition changes, hit the button for 3 to 5 times quickly to enter the network adaptation for new network environment.

In the network adaption status, the LED strip flashes with yellow light quickly during which press and hold the button for more than 1 second to exit the network adaptation. The following is the network adaptation procedure:

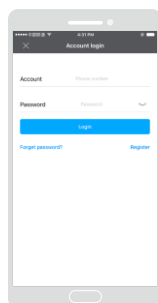❶ **Download the Mobile App (skip this step if you installed the App previously)**
*Be sure that the current mobile device is connected to WIFI. 5G is not available.

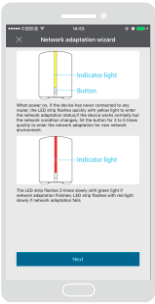http://weiguo.airradio.cn/smart/download_link_en.html

❷ **Log In**
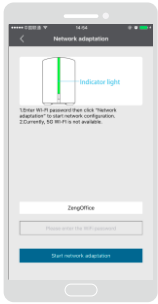Open the App and log in your account (register firstly if you don't have an account)

❸ **Scan the QR code to bind to this device and hit "Next"**

④ Ready to connect to network

⑤ Enter correct WIFI hot point name and password

★ Make sure LED strip flashes quickly with yellow light before hit "bind"
A.The LED strip flashes 3 times slowly with green light if network adaptation finishes.
B.LED strip flashes with red light slowly if network adaptation fails

⚠**Attention:**
1)If the network adaptation can not finish within certain period, the network adaptation fails
2)The device will re-connect to the network automatically if the network is disconnected. The LED strip flashes with red light slowly to warm the necessity of redoing network adaptation if the re-connection can not finish within 5 minutes.
3)The data collected by the device is being uploaded to the server every 10 seconds.

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7 Battery Management

1) There are two power supply methods for this device
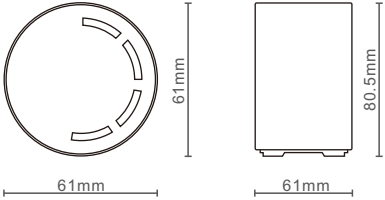
Internal single lithium battery

External standard power adapter

2) When connected to external power adapter, the battery will be charged automatically once the voltage is less than 3.65 volts and the charging operation will end automatically if the battery is full.

3) When powered by lithium battery, the LED strip flashes with red light slowly for 10 times and turn off the device automatically once the voltage is less than 3.3 volts.

4) Even if the device is power off, the external power adapter can also charge the battery inside the device but there is no indicator for this.

8 Specification

• Appearance

diameter: 61mm   height: 80.5mm   total body weight: 60g

• Industrial Design

The external structure applies anode anti-flaming ABS engineering plastic.

• Sensors and Measurement

PM2.5 (inhalable particle)
range: 0~999 μ g/m³
precision: ±10%
resolution: 1 μ g/m³

Pm10 (inhalable particle)
range: 0~999 μ g/m³
precision: ±10%
resolution: 1 μ g/m³

temperature
range: -20℃~+70℃
precision: ±2℃
resolution: 1℃

humidity
range: 0~100%RH
precision: ±5%RH
resolution: 1%RH

9 Technology Specification

Power Supply		Internal lithium battery/external standard power adapter
Communication		WIFI
Display		LED strip / mobile App
Power Adapter		5V / 1A
Battery		Single lithium polymer battery
Operation Temperature		0 ~ 50 ℃
Monitor Range	Temperature	-20℃~ +70℃（±2℃）
	Humidity	0 ~ 100%RH（±5%RH）
	PM2.5	0 ~ 999 μ g/m³（±10%）
	PM10	0 ~ 999 μ g/m³（±10%）

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10 FAQ

1)No response when the button is pressed and held
A.The lithium battery has not power, connect the external power adapter to charge the battery
B.Power adapter or USB charge cord damages
C.The device damages and it needs to be returned for repairing

2)App indicates that the device is off-line
A.The device has no power supply
B.The device is not connected to WIFI
C.The WIFI module of the device damages
D.The mobile phone has no network

3)The device can not adapt to network
A.Make sure that your mobile phone is connected to network and it can surf on the internet normally
B.Make sure that the WIFI hot point name and the corresponding password is correct

4)Binding fails when adding new device
A.Not scan the device QR code correctly
B.The device is bound to other mobile phone
C.The device does not register in Weiguo Technology

11 After-sales Service

Warranty period
For a period of one year, from the original data of purchase ofthe product, Weiguo will provide free repair service to any product determined to be defective.

Warranty Coverage
This limited warranty only covers products issues caused by defects in material and workmanship during ordinary use; it does not cover product issues caused by any other reason, including but not limited to product issues due to limitations of technology, or modification to any part of the Weiguo product. This limited warranty is invalid if the factory-applied serial number has been altered or removed from the product.