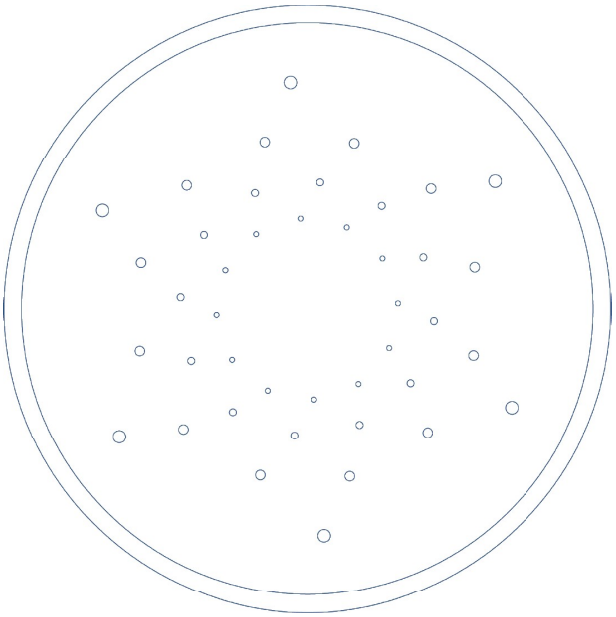
ORI PRO

Indoor air quality monitoring device

Instruction manual

INDOOR AIR QUALITY

MONITORING DEVICE



THANK YOU FOR CHOOSING US

Please read the instructions carefully before using the product to prevent accidents

Important Information

Note: To prevent any accidents or damage to the product, please follow the instruction below.

- Do not operate the device or touch the product if your hand is wet as you may get an electric shock.
- To prevent the product from short circuits or electric shocks, do not damp the product.
- During the installation process, the equipment needs to be kept off the power.
- Do not clean this product with alcohol or other solvents and keep away from excess odor or alcohol.
- Keep the product away from flammable substances and fire sources, do not be exposed to high temperature, high humidity, flammable gas and liquid environment.
- The product shall be installed away from vents, cooking equipment and humidifiers and other locations.
- In order to prevent equipment failure, burning or other danger caused by private disassembly, repair or modification, this product shall not be disassembled, repaired or modified without authorization.
- If any parts of this product (including power plug or product body) are damaged, do not continue to use.
- Damaged parts can only be replaced by the manufacturer or authorized service center to avoid danger.
- Please operate this product under the supervision of the person in charge of safety.

Compliance statement

Shanghai DST Technology Co.,Ltd .(DST Technology) hereby announces that our products have passed the following certification, marked as follows:

Product Name: IAQ Monitor - ORI
Type:ORI PRO
Model：I-002

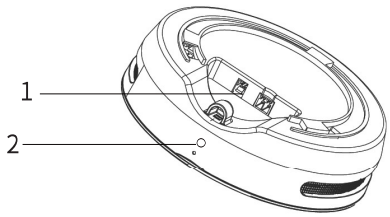
Overview

ORI PRO air quality monitoring device is used to monitor particulate matter ($PM_{2.5}$), carbon dioxide (CO_2), total volatile organic compounds (TVOC), humidity (Humidity), temperature (Temperature) in the air. The product is suitable for indoor air quality monitoring and it can also be used for evaluation and analysis of fresh air system and air purifier efficiency.

Packing list

ORI PRO	1
Backplane for installation	1
Power adapter	1
Expansion Screws	3
Expansion Bolts	3
User Manual	1
Calibration Certificate	1

Rear



Number	Description
1	12 VDC / 24VDC
2	Wi-fI configuration buttion & light

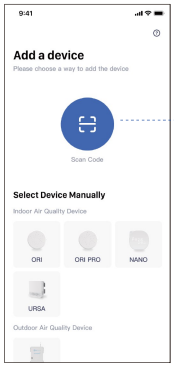
Wi-Fi connection

Wi-Fi configuration APP download

Search WIFI-LINK in Google Play or Apple Store.

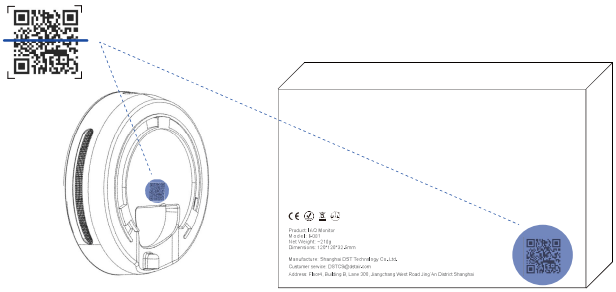
Ensure your phone is linked to Wi-Fi

- Only 2.4gHZ Wi-Fi can be used.
- Can’t use multi-factor authentication Wi-Fi.



Open APP WIFI-LINK, add a device in APP

Select device by code scaning or select device manually in APP.



1.1 Power on the device

When device powered on, the Wi-Fi light will keep on, which means the device is not Wi-Fi connected.

1.2 Press the Wi-Fi configurator button

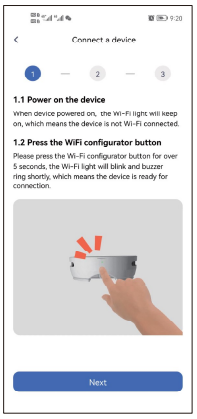
Please press the Wi-Fi configurator button for over 5 seconds, the Wi-Fi light will blink and buzzer ring shortly, which means the device is ready for connection.

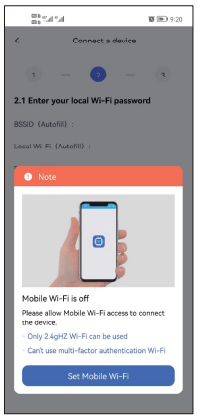
2. Enter your local Wi-Fi password in APP

- Only 2.4gHZ Wi-Fi can be used.
- Can't use multi-factor authentication Wi-Fi.

3.Wait for the Wi-Fi light to turn off

Once the device is Wi-Fi connected successfully, the Wi-Fi light will change from blinking to off.





Installation

1. Fix backplate

Use the expansion screw to fix the backplate in suitable position in the wall.

Please contact after sales technician for the position selection.

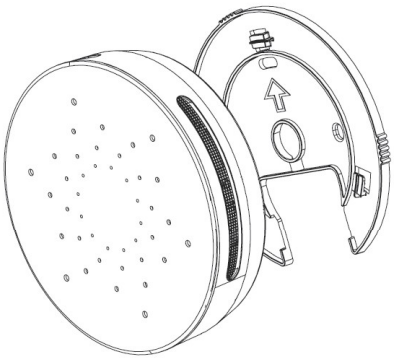
(Be caution of the wire setting If the power supply wire is inside the wall)

2. ORI installation

Align the device slot and backplate lock, insert the device into the lock and rotate clockwise until the machine is fixed firmly.

3. Connect the power

Connect the power adapter with the equipment power charge jack 12V DC/24V DC.



Product specifications

Material	PC (polycarbonate)	**Color**	White
Size	φ120*32.5mm	**Weight**	210g
Working voltage	12VDC / 24VDC	**Working current**	200mA
Communication	Wireless: Wi-Fi (2.4 Ghz ,802.11/b/g/n/)		
Working environment	Temperature :0-45℃ / Humidity :20-85%(non-condensed)		

Product parameters

Parameters	**Range**	**Monitoring principles**
$PM_{2.5}$	0-500μg /m^3	Laser scattering
CO_2	400-5000 ppm	Disperse infrared
TVOC	0-20000ppb	MEMS
Temperature (T)	0-40℃	Semiconductor
Humidity (RH)	20-85%RH	Semiconductor

Environment

Content of hazardous substances in products

	Harmful substances					
Name	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Chromium hexavalent (Cr (VI))	PBBs (PBB)	PBDEs (PBDE)
PCBA and Components	o	o	o	o	o	o
Shell	o	o	o	o	o	o
Other accessories	o	o	o	o	o	o

Formulated in accordance with SJ/T11364 provisions

The O indicates that the content of the hazardous substance in all homogeneous materials of the component is below the GB/T26572 limit requirement.

The X indicates that the content of the hazardous substance is in at least one homogeneous material of the component exceeds the GB/T26572 limit.

Please contribute to environmental protection. When the life of indoor air quality monitoring equipment is exhausted, it shall not be treated as ordinary garbage. Please send it to the garbage collection point.

Frequently Asked Questions and Answers

NO.	Description	Answer
1	Network connection failure	Check if the network is connected properly
		If network connected normal, please restart the device power, reconfigure the network
2	No data uploaded to cloud for a long time	Power off, reconfigure the network

The guarantees

1. Warranty Regulations

Within 7 days (based on invoice time), the product may be returned or replaced due to quality failure.

Within 1 year (based on invoice time), the product can be replaced for maintenance due to quality failure.

2. Non-warranty Ordinance

Product failure or damage results from improperly usaqe, maintainace and storage, which is not in accordance with the instructions

Exceed the validity period of quality guarantee.

Product damage results from accident or human factors.

迪勤科技
DST TECHNOLOGY

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FCC WARNING

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.

Any 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:

-- 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.

To maintain compliance with FCC’s RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.