

# User Manual

Pro Mini





#### DISPOSAL

This marking indicates that this product should not be disposed with other household wastes. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

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## Technical Specifications

Product model	Pro Mini
input voltage	AC 110 - 240V / 50-60Hz
Rated power	42W
Noise	≤67dB(A)
Net weight	3.6kg
Clean air volume (particulate matter)	400m³/h
HEPA Filter Grade	H13
Operating temperature / humidity	50°F-104 °F/ 20 ~ 90% without condensation
Product size	250×250×510mm

### Notes on power cord



Notes on power cord

- Do not use a power supply other than the rated voltage (110-240 V, 50 Hz). (otherwise, it may cause fire, electric shock, etc.)
- Please do not arbitrarily process, bend, pull, twist, tie the power cord close to high temperature objects. (damage of power line may cause fire and electric shock, etc.)
- Do not load or pinch it. (otherwise, it may cause fire, electric shock, short circuit, etc.)
- When the power cord or power plug is damaged, do not use it when the power socket is loose. (otherwise, it may cause fire, electric shock, short circuit, etc.)
- Do not use wet hands to plug and pull the power cord. (otherwise, it may cause electric shock, etc.)
- Please do not replace the power cord without authorization. If it is necessary to replace it due to damage, please contact US.
- Dust on power plug or socket should be cleaned regularly. (excessive dust and moisture may cause poor insulation, fire, electric shock, etc.)

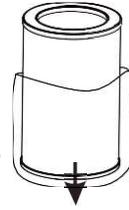


### Warning

**Non professionals are not allowed to dismantle the machine without authorization, in order to avoid the risk of electric shock. When replacing the filter screen, please first pull out the power plug. If there is a fault, please remove it according to the troubleshooting method in the manual. If it can not be eliminated, please contact us:**

2. Remove PE bags Before using the air purifier for the first time, please open the filter bin of the air purifier, take out the filter , and remove the plastic bag, otherwise the product will not be able to purify the air normally.

※ Please keep plastic bags away from infants and young children, so as to avoid accidents caused by children contacting plastic bags.



### 3. Replace the filter screen

1) As shown in Figure A: lay the air purifier flat on the ground, hold the handle of the filter bin door and rotate it to the left to remove the filter.

2) As shown in Figure B: remove the plastic bag of new filter .

3) As shown in Figure C: put the new filter into the machine, align the filter screen door to the bottom, rotate it to the right and tighten it.

4) After replacing the filter screen, please reset the filter screen.

※ Special reminder: composite filter cannot be cleaned.

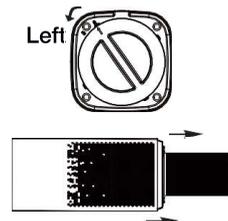


Figure A



Figure B

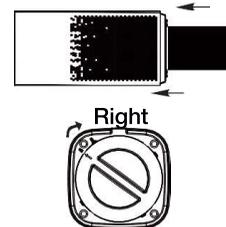


Figure C

### ● Power On/Off

**Standby state:** plug in the power supply, the buzzer "beeps", and the panel display is all on, 2 seconds later it goes out, enters the standby mode, the power on key indicator is half on.

**Power on state:** in standby mode, touch the power key, the device is in intelligent mode, the corresponding icon is lit, the air quality icon is green, the wind speed is corresponding to gear 2, and the UV light functions are turned on;

**Shutdown state:** in the power on state, touch the power key, the buzzer "beeps", the machine enters the shutdown state.

### ● Wind Speed

In the working state, touch the wind speed key, and the buzzer will give a prompt tone. The wind speed will be selected circularly according to the sequence of "auto → gear 1 → gear 2 → gear 3 → gear 4 → sleep. The nixie tube will display " intelligent "- 1 -" → "- 2 -" → "- 3 -" → "- 4 -" → sleep, and the wind speed number will be switched off after 3 seconds and change to PM2.5 numerical display.

### ● Timer Function

When the machine is turned on, press the timing key to turn on the timing function. The buzzer will give a prompt tone, and the digital tube will display the corresponding timing time (PM2.5 icon is off). The timing time range is 01-24 hours. The timing setting sequence is 0h → 1h → 02h → ... → 23h → 24h → 0h. 0h stands for quitting the timing. After selecting the corresponding time, no operating for 5 seconds the clock will enter the corresponding timing operation. The timing setting is successful. After 5 seconds, the digital tube displays the current PM2.5 value. To view the timing time, press the timer button once to display it. When the machine reaches the working time, it will automatically shut down and enter the standby mode.

### ● Auto Mode

Press the wind speed key to enter the auto mode in the power on state, and the wind speed gear is determined according to PM2.5:

Index	Index (ug/m³)	Air quality leve	Wind speed (automatic)	Color grade
PM2.5	1-75	Excellent	(1st gear)	Green
	76-112	Good	(2 gears)	Blue
	113-150	Medium	(3 gears)	Orange
	151-999	Bad	(4 gears)	Red
Index	Index (ppm)	CO <sub>2</sub> leve	Wind speed (automatic)	Color grade
CO <sub>2</sub>	0-450	Excellent	/	/
	451-1000	Good	/	/
	1001-2000	Medium	/	/
	2001-5000	Bad	/	/

Note: The maximum display value is 999ug/m³.

## Safety Instructions

### Safety precautions for this product

In order to use this product better and prevent personal injury and material damage accidents, please read carefully and abide by the following contents in this manual.



The contents below must be strictly prohibited, otherwise the machine may be damaged or the personal safety of the user may be endangered.

- Do not allow any paint, insecticide, alcohol or chemical to be applied to the machine surface. Otherwise, surface cracks, electric shock and fire may be caused.
- If there is chemical composition accumulation inside the machine, it will be released from the air outlet with the opening of the machine, which is not conducive to health. Therefore, after the use of pesticides, please fully ventilate the room.
- Air purifier products should not be used in flammable, explosive and corrosive gas environment.
- Do not touch the air inlet and outlet when the machine is running. Do not insert hands or any objects into the air inlet and outlet to avoid injury or damage to the air purifier.
- Do not sit or place objects on the machine, otherwise it is easy to cause accidental loss or injury.
- Please do not use it in bathroom or other places with water. Otherwise, it may cause fire, electric shock, failure, etc.
- Do not transform, decompose and repair the machine without authorization, or it may cause fire, electric shock, failure, etc.



For the product and the personal safety, user must strictly operate the product according to the following content.

- When moving or maintaining the machine, please stop running and unplug the power plug.
- When not in use for a long time, please pull the power cord plug out of the socket.
- When the machine has peculiar smell, stop using and power off, contact after-sales personnel for inspection to avoid failure or fire.
- The air outlet is easy to fall into debris, please check before use to avoid children putting debris in.
- The air purifier should be placed at least 50 cm away from the wall or other obstacles.
- Children and people with disabilities must be used under the supervision of adults or their guardians.
- Children under supervision are not allowed to use the product as a toy. It is strictly forbidden to play on the product or trample on it at will.

## Warranty

Product Name	Air Purifier
Model	Pro Mini
Manufacturer Warranty Period	1 Year
Please keep your order receipt for future reference.	

## TERMS&POLICY

### ● What's covered?

Defects due to faulty materials and workmanship of the product.

### ● What's NOT covered?

1. Damage caused by the owner when attempting to fix or altering the product by himself or herself.
2. Damage caused by misuse, abuse, neglect, alterations, or unauthorized repair.
3. Natural depreciation.

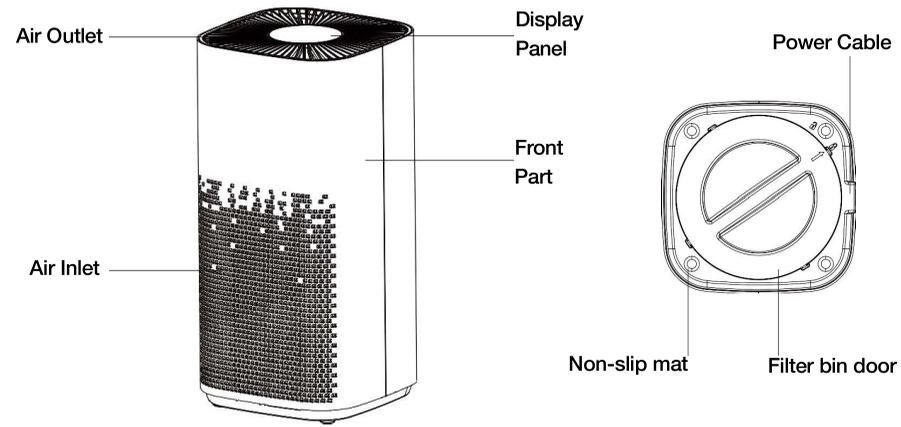
### ● Warranty Period

Warranty becomes effective since the date of the original purchase and will last for one (1) year

### ● Who's covered?

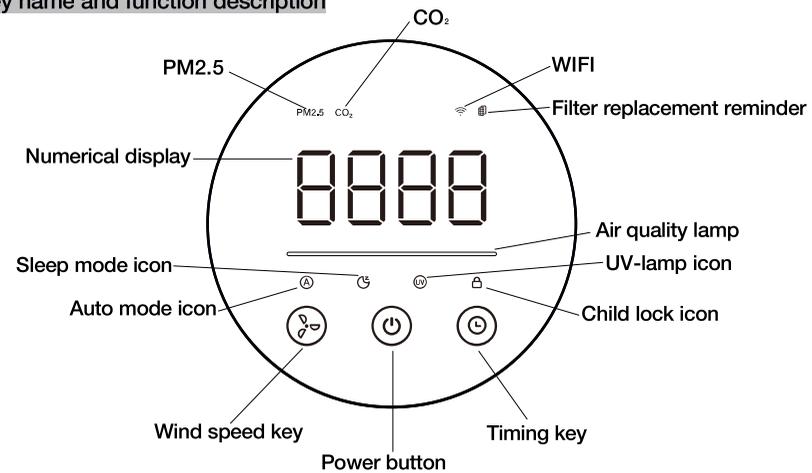
This limited warranty is only effective for the original purchaser. It is NOT transferable.

## Product Parts



## Function Description

### Key name and function description



## Trouble Shooting

Problem	Cause	Solution
No power or response.	The unit is not plugged into an electrical outlet.	Connect the plug to a powered electrical outlet
	The outlet is not working properly.	Try plugging the air purifier into a different outlet
	The power adapter is damaged. The air purifier is defective or malfunctioning.	Immediately discontinue use and contact Customer Support.
Unpleasant smell.	The filter may be too dirty if it's used for a long time.	Replace the filter.
	Using the air purifier in moist conditions or water entered in the filter.	
The air quality indicator always gets in red.	Dirty filters and room air is bad.	Replace the filter.
The numbers have been fluctuating from 3 to 12.	This PM2.5 sensor is very sensitive.	It means the air quality is good when the value is under 12. You need to pay attention when it goes higher than 35.
Any faulty display of the LED numbers.	Auto Mode has just been turned on.	Allow the air purifier to run for 5 seconds. They will change a stabilized status based on the detected air quality.
	The unit is defective or malfunctioning.	Immediately discontinue use and contact Customer Support.
Unusual noise while operating.	Dirty filters.	Replace the air filters as instructed in the Replace the Air Filters section.
	Filters installed improperly.	Place the filter properly. Please refer to the Getting Started and Replacing the Air Filters section.
	The foreign object inside the unit.	Immediately discontinue use and contact Customer Support. DO NOT attempt to open the air purifier yourself.
	Flimsy or slanted surfaces resulting in an abnormal noise and vibrations.	Place the air purifier on hard, flat surfaces.
Significantly reduced airflow.	Not enough space around the unit.	Ensure that there are at least 15 inches (38 cm) between the unit and other objects.
Poor air purification quality	Surrounding area exceeds the applicable area.	DO NOT use the air purifier outdoors. This appliance is designed for indoor use only.
	The air inlet or outlet is blocked.	Remove objects that block the air inlet or outlet.
	The filter is not properly placed in housing.	Properly place filter as noted in the Getting Started and Replacing the Filters section.

- **Sleep Mode** 

In the power on state, press the wind speed key to enter the sleep mode. After a delay of 3s, the screen turns dark (in order to avoid the trouble caused by frequent screen touching by users), the effect is: the backlight of power button and sleep mode icon is half on, and other buttons are all off. In sleep mode, pressing any key for the first time can wake up all the indicator lights, but the function will not be switched; within 5 seconds press the key to exit the sleep mode. If you do not press any key for the second time within 5 seconds, the device will enter the "sleep mode" again.

- **UV-lamp** 

After the device is turned on, the UV lamp function will be turned on by default. Long press the timing button for 5S to turn off the UV; and press the timing button for 5S to turn on the UV.

- **Plasma**

After the device is turned on, the ion function will be turned on by default, and the ion function will be turned off after turning off.

- **Child Lock** 

Press and hold the wind speed key for 5s to turn on the child lock. At this time, all other buttons are unable to be used. Press and hold the wind speed key for 5s to unlock the child lock.

- **WIFI function** 

Long press the "wind speed key + timing key" for 3 seconds, the device will enter the WI-FI matching state after the buzzer emits two beeps, and the WI-FI in the upper right corner of the screen after receiving the response command returned by the module (refer to the UART protocol) The icon starts to flash (on for 0.5 seconds and off for 0.5 seconds). After the APP is connected successfully, the module returns the "success" command. At this time, the WI-FI icon is always on, and the buzzer emits a beep sound (only manual triggering is available). After the network is successfully connected, the buzzer will have a prompt tone, and there will be no prompt tone for reconnecting after the network is disconnected). If the network configuration is triggered in sleep mode, the device screen will return to normal brightness after 30 seconds and then dim again.

- **Filter Reminder** 

The life of the filter is timed when it is turned on, but not when it is turned off. When the external power is cut off or in standby, the operating time of the filter needs to be written into the EEPROM. The life of the filter is 1800 hours (<0.5 hour saves for 0.5 hours, <1 hour> 0.5 hours press 1 When the filter counts down to 0, the filter icon (red light) flashes (0.5S ON 0.5S OFF), prompting the user to pay attention to the life of the filter. Buy the filter on a professional website. After flashing for 30 seconds, the filter icon will always On; if the filter reminder is triggered but the filter element is not reset, the filter icon will flash for 30 seconds and then become steady on every time you turn on the machine.

- **Filter element reset**

Trigger the filter reminder. After the user has replaced the filter, press and hold the power button for 5 seconds, the buzzer will beep twice and the filter element reset operation will be completed, and the filter icon will go out, so that the life of the filter element returns to the total time of 1800 hours. The filter replacement indicator goes out. If the filter reminder is not triggered, you need to press and hold the wind speed key + timing key for 10 seconds to reset the filter element.

## Cleaning and Maintenance

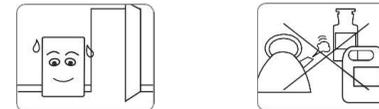
1.The machine is not allowed to be placed on soft or uneven surface, so as to avoid electric leakage caused by vibration or noise during operation.



2. Do not put any thin or hard objects in the machine to avoid damage to the machine.

3. When the machine is off or not used for a long time, please pull the power cord out of the socket and place the machine in a place out of reach.

4. In order to have a good purification effect, the front and back of the machine should be kept open to avoid blocking the air circulation.



5. When the machine is in maintenance, inspection and moving, please be sure to stop running and unplug the power plug. Otherwise, electric shock and injury may be caused.

6. After the use of purification filter material (composite filter screen) is expired, you can contact us to purchase.

### Cut off the power supply for any of the following maintenance behaviors:

1. Clean appearance When cleaning the appearance of the air purifier, please cut off the power supply and clean it with a soft and clean dry cloth. Do not use alcohol, gasoline, and other chemical solvents to clean.

## **FCC Warning:**

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

The device has been evaluated to meet general RF exposure requirement. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

## **IC warning statements:**

-English Warning Statement:

RSS-GEN ISSUE 5, 8.4 User manual notice

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

The digital apparatus complies with Canadian CAN ICES-3 (B)/NMB-3(B).

-French Warning Statement:

RSS - Gen version 5, 8.4 avis du manuel de l'utilisateur

Cet appareil contient un émetteur / récepteur sans licence conforme au RSS sans licence d'innovation, science et développement économique Canada. L'opération doit satisfaire aux deux conditions suivantes:

Cet équipement peut ne pas causer d'interférence.

L'équipement doit accepter toute interférence, y compris toute interférence qui pourrait entraîner un fonctionnement indésirable de l'équipement.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules. Cet équipement est conforme aux limites d'exposition aux rayonnements énoncés pour un environnement non contrôlé et respecte les règles d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Lors de l'installation et du fonctionnement de cet équipement, la distance minimale entre le radiateur et le corps doit être de 20 cm.