Fresh Air Healthy Life

AIR PURIFIER

User Manual

Please read this manual completely before using this product.

Dear Customer,

Thank you for purchasing our anion air purifier.

In order to facilitate the installation and use of this machine, we recommend that you carefully read this manual, and keep it stored safely. To ensure that you always enjoy fresh air, use this manual for qualified and standardized installation, proper use, and maintenance. This will ensure you always enjoy fresh air.

Our anion air purifier was developed by our researchers bringing together technology from home and abroad to give you the latest generation of air purification devices.

If any questions arise from use, please consult this manual. If it is in accordance with the warranty, we kindly welcome you to contact us with the address and phone number on the card. We welcome any comments or suggestions you have about our product and service.

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Product Name	Air Purifier
Rated Voltage	AC 220V~240V
Rated Frequency	50/60Hz
Rated Power	95W
Noise (Low Speed)	⩽24.0dB
Anion Concentration	10million/cm^3
Amount of Particulate-Cleaned Air (CADR)	488 m^3/h
Amount of Formaldehyde-Cleaned Air (CADR)	90 m^3/h
Applicable Area	34~58 m^2
Suggested Period to Replace Filters	#1 Filter 2 years #2&#3 Filters 6 months
Net Weight	10.8kg
Product Measurements	400x230x620mm
Method of Cleaning	Pre-filter, Cold Catalyst Filter, Cellular -Activated Carbon Filter, High Efficiency HEPA Filter, Sterilizing UV light, Anion Purifier.

* Product maintenance and filter replacement cleaning information, please refer to the instruction manual;
* Purification performance parameters are tested under specific third-party laboratory conditions with specific dust particles and formaldehyde gas as target pollutants;
* The recommended area is calculated according to (0.07~0.12) xCADR particles, which is the theoretical value. With the different use environment and building structure,The applicable area will also change due to various factors such as the degree of indoor pollution.

Product Features

Pre-filter
The primary filtration uses an aluminum alloy filter located in the pre-filter. It is mainly used for filtering dust larger than 5 microns, including large dust particles, dander, pollen, floating debris, and other pollutants. It can be washed many times and used repeatedly.

Cold Catalyst Filter
1. The catalytic decomposition reaction of the cold catalyst does not require UV rays, high temperature, or high pressure. In normal living environments it can play a catalytic effect in controlling air pollution.
2. The main components of the cold catalyst come from additives found in food and pharmaceuticals. It is non-toxic, non-corrosive, and non-flammable. Under normal temperature conditions, the catalytic reaction can remove formaldehyde, benzene, xylene, TVOC and other harmful gasses. The reaction creates water and carbon dioxide. It does not produce any secondary pollution. It is a safe and environmentally friendly product on the cutting edge, suitable for a healthy home.
3. During the catalytic reaction, the cold catalyst itself is not directly involved in the reaction. The cold catalyst does not change nor is lost. Because of this, without any external damage, this filter will effective for more than five years. It is basically synched with the release of the formaldehyde for long-term control.

Cellular -Activated Carbon Filter
The cellular-activated carbon carries high efficient additives. It has good absorption and dust collection characteristics.

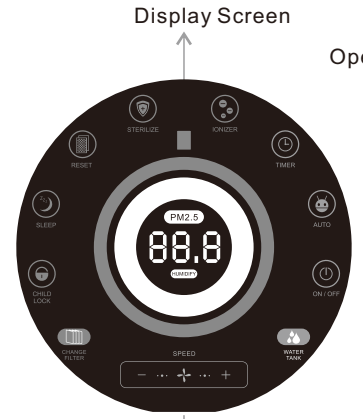
Antibacterial Cotton Filter
The antibacterial filter is a precision filter trapping particles with a diameter of 5 microns. At the same time there is an antibacterial agent added into the filter, can effectively killing any airborne germs at an effectively killing 99% or more of bacteria.

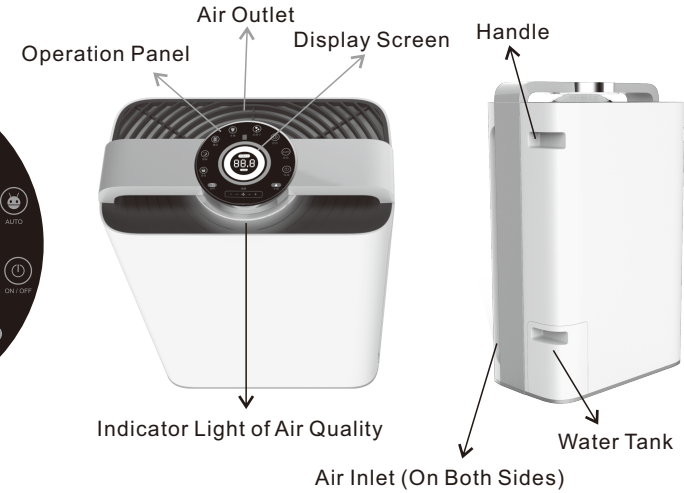
High Efficiency HEPA Filter
The effective HEPA filter filters airborne germs, smoke and dust particles 0.3 microns large at a rate of 99% or more. In combination with the multifunctional filter, the HEPA filter can filter out microscopic particles larger than 20 nanometers in diameter, including bacterial mold, dust, allergens, and some viruses, while filtering out smoke. According to the World Health Organization, the avian flu virus, influenza virus, and Legionella bacteria are greater than 20 nanometers. The HEPA filter can filter them out.

Sterilizing UV light
UV sterilization using 365 nanometer UV wavelengths light can kill a variety of airborne bacteria. The UV disinfection lamp is generally used for air, surface, and water disinfection. It can purify the air, eliminate musty odors, as well as produce a certain amount of anions. This makes the air fresh while avoiding the spread of viruses in the air or on surfaces.

Anion Purifier
A large amount of anions are released into the air, which oxygen molecules then add to their outer shell to obtain a negative charge. It has an extraordinary ability to combine with positively charged floating dust, smoke, bacteria, and viruses indoors. This makes free floating debris fall, thus purifying the air and environment without harm to humans. These ultrafine particles are difficult to filter out with common mechanical equipment. Anions in the air have a special ability to capture these harmful substances. The smaller the size of the particle, the higher the capture rate. It is an effective way to eliminate these pollutants.

Product Appearance and Structure

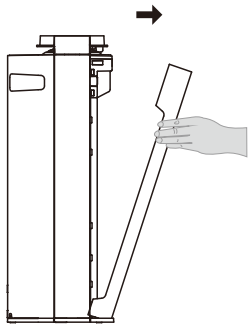




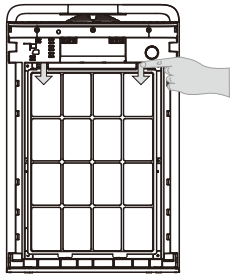
Installing the Filter

1. Removing the filter from the plastic bag:

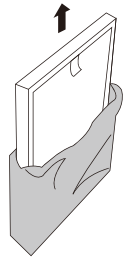
A. Remove the front cover.



B. Remove the filter.



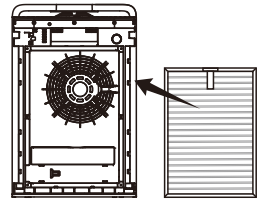
C. Take the filter out of the packaging.



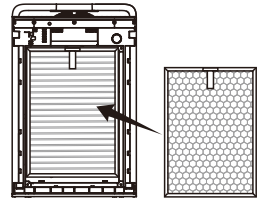
※Make sure to remove plastic bag off the filter before use.

2. Installing the filter and front cover.

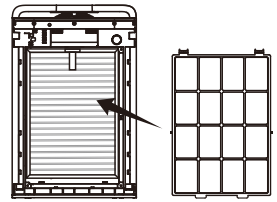
A. There are differences between the inside and the outside of the dust filter 1 (antibacterial cotton filter and HEPA filter). Attention: The side with a handle should be placed outwards



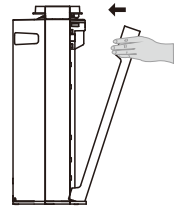
B. There are differences between the inside and the outside of the absorption filter 2 (Cellular -Activated Carbon Filter and cold catalyst filter). Attention: The side with a handle should be placed outwards



C. There are differences between the inside and the outside of the front filter (pre-filter). Attention: The side with a handle should be placed outwards



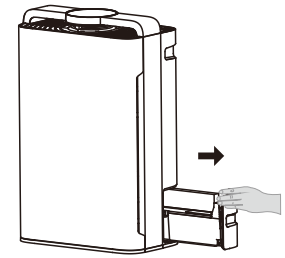
D. Install the front cover



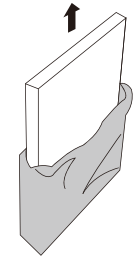
※The machine will not run if the front panel is uncovered.

Prepare for humidification

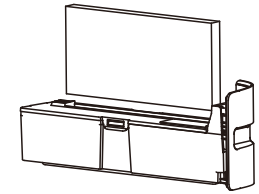
1. Pull the water tank out from the side of the purifier.



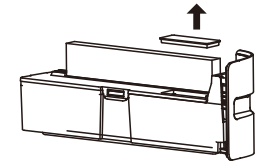
2. Remove the package of the humidifying filter.



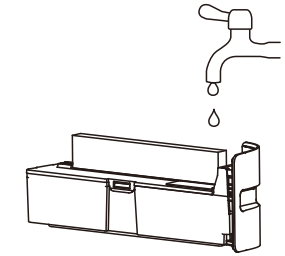
3. Put the humidifying filter into the water tank.



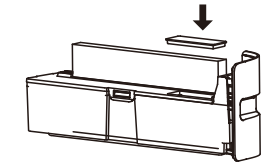
4. Open the rubber lid of the inlet.



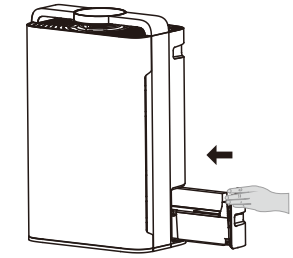
5. Add about 1L cold water through the inlet, filling around 80% of the water tank.



6. After adding water, close the lid.



7. Push the tank back into the purifier.



8. This machine has evaporative humidifying function.

If water is added into the water tank, the machine will generate steam automatically. The humidification effect is related to the wind speed, and it works better when the machine is operating at a higher gear. If the water level becomes low, the indicator light will flash while the machine continues working normally. If the water tank is taken out, the indicator light will stay on, and the machine will stop working.

Function Description

1. Powering On

Power

When the machine is plugged in and on standby, "POWER" button works to turn on the machine. After this button being touched for the second time, the machine turns to standby state. (The icon is red when standby and green when on.)

2. Selecting the Operating Mode

AUTO

When the machine is on, after "auto" button being touched, negative ion generator and germicidal lamp will start to work, and the gear will be changed according to sensor's data. (The icon will stay on when the machine operates in auto mode, otherwise it will be off.) Attention: If users change "wind speed" under auto mode, the machine will quit this mode automatically.

Relations Between the Gear and PM2.5 Data					
Gear	PM2.5 Data	Light Color	Gear	PM2.5 Data	Light Color
1	0–50	Green	5	121–140	Yellow
2	51–80		6	141–160	
3	81–100	Blue	7	161–300	Red
4	101–120		8	301–500	

TIMER

When the machine is on, every touch of "TIMER" button will add 1 hour to the timing. When it accumulates to 12 hours, one more touch will turn it off. (The icon will stay on when the machine operates in timing mode, otherwise it will be off.)

INOIZER

When the machine is on, pressing "INOIZER" button will turn on negative ion mode, and pressing one more time will turn it off. (The icon will stay on when the machine operates in negative ion mode, otherwise it will be off.)

STERILIZE

When the machine is on, pressing "STERILIZE" button will turn on UV sterilization mode, and pressing one more time will turn it off. (The icon will stay on when the machine operates in sterilization mode, otherwise it will be off.)

RESET

This machine has a regular reminding function of filter replacement, which works every 320 hours and 1500 hours. After every 320 hours, the indicator light on the panel will flash to inform users to clean the filter No.1. After cleaning, press the "RESET" button for 5 seconds, then the light will stop flashing. After every 1500 hours, the indicator light will stay on to inform users to renew the filter No.2 and No.3. At that time, press the button for 5 seconds so that the timing can be reset.

The second function of the "RESET" button: When the machine is on, press this button and the total working time will be shown in hours on the screen. This equals a check of working time. Since the screen can only display three figures, the thousands digit will be displayed first, then hundreds, tens and single. Please read them together.

SLEEP

When the machine is on, it will turn to sleeping mode 5 seconds after the "SLEEP" button being pressed. In sleeping mode, all the lights turns off and the machine works at the first gear. Press any button to wake it up and then press "SLEEP" button to quit sleeping mode, or press "wind speed" button or smart button to quit after waking it up.

CHILD LOCK

When the machine is on, touch "CHILD LOCK" button to lock all the buttons. At that time all the buttons have no reaction to any touch, while the machine still works how it is set before. Press "CHILD LOCK" button for 5 seconds and the machine will quit this mode. (The icon will stay on when the machine operates in child-lock mode, otherwise it will be off.)

Wind Speed

When the machine is on, touch "+" or "-" to switch the gear and change the operating speed. After the gear being changed, the motor will work only at the setting level without being affected by the sensor. (Touch "wind speed" button, and the machine will quit auto mode)

Light-sensitive

In auto mode, the machine will turn to sleeping mode 2 minutes after the surrounding light <5x. It will quit sleeping mode 3 minutes after the surrounding light >5x, and then continue to work in auto mode.

3. Powering Off

Power

If you press the power button on the operational panel while the machine is running, the machine will enter into standby mode. (And the icon will turn red)

4. Remote Control

This product is provided with a remote control powered by button cells. (Please take out the cell if the remote control will not be used for long periods) Attention: There is a one-to-one correspondence between the buttons on the remote control and the operation panel. The functions and operation methods are generally the same. Attention: On first use, please take out the cell cover and remove the protective film of the cell, then replace the cell and its cover. Otherwise without power supply the remote control will not work.

How to Use

1. Auto mode. When the machine is plugged in, press "power" button and "auto" button in sequence, then it can operate under the control of intellisense. The motor's operating gear will adjust automatically to the PM2.5 data collected by the sensor. This mode is suitable for most situations.

2. Compulsory mode. When the machine is plugged in, press "power" button. Press "wind speed" button to choose the gear, and then choose to turn on or off the negative ion generator and the UV germicidal lamp. This mode is suitable for the situations where compulsory purification is needed. The machine cannot change the gear automatically in this mode.

3. Night mode. In the two modes mentioned above, the machine will turn to work at the first gear as long as "sleeping" button is touched, making sure there is no noise affecting your rest. (In auto mode, it will turn to sleeping mode when the environment becomes dark, sensed by the photosensitive sensor)

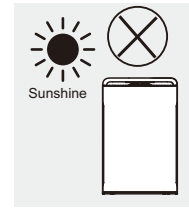
4. Timing mode. In the three modes mentioned above, after "timing" button being pressed and operating time being set, the machine will start to count down. The machine will stop working after the countdown is finished. (If you need to cancel the countdown, please press the button until the time displayed is accumulated to 12 hours, then one more touch will cancel this mode)

5. Child-proof lock mode. In the four modes mentioned above, the machine will turn to child-proof lock mode after "child-proof lock" button is pressed. Any operation through the panel or the remote control will be invalid before quitting this mode. (It can be quitted by pressing "child-proof lock" button for 3 seconds or the unlock button on the remote control.)

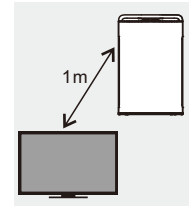
Precautions

During Installation

1. Do not place in direct sunlight, facing air conditioner vents, or heated places. It may cause the unit to warp, deteriorate, discolor, or malfunction.

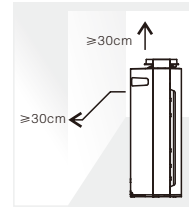


Do not place near TVs or radios. This may distort images or produce noise. Using the purifier remote may cause interference with your TV or radio. Please place at a distance of 1m or more away from these devices. In addition, if you are sharing outlets with these devices, plugging in the purifier may distort images or produce noise. If this happens, please plug the purifier into a different outlet.

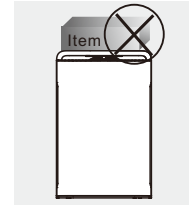


2. The product must be placed on the floor for pollen and other indoor dust. Since such particles easily fall near the floor, we recommend placing the product on a flat surface on the floor.

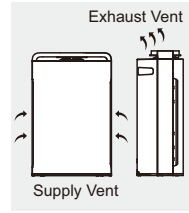
3. For effective room circulation, place the product approximately 30cm or more away from walls or other objects.Please keep the backside at least 20cm away from the wall to enable it to work more effectively.



4. Do not place items on the main unit or it may lead to malfunction. Be careful not to place magnets or any other metal items on here.



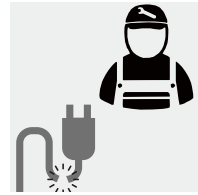
5. Do not block the exhaust vent or supply vent. For example, do not place an object on top of the exhaust vent or in front of the supply vent.



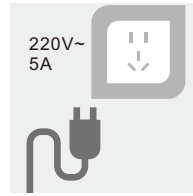
Prohibited

1. Do not pick up or move the machine while it is running. When moving or storing, do not pull the power cord. This may cause a short circuit or do internal damage to the power cord. This may lead to a fire or electric shock.

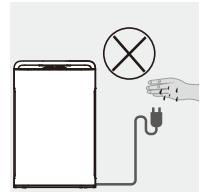
2. Do not damage power cord or outlet. Do not cut, excessively twist, pull, or bend the power cord. If the power cord is damaged, for your safety please call the manufacturer, service department, or a trained professional to replace it.



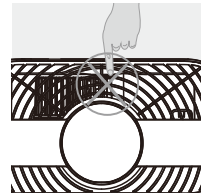
3. Do not use power supplies, universal sockets, or connective devices that exceed the recommended power rating. Use only 220V~ 5A AC power. Using a universal socket or connected power source that exceeds this rating may lead to overheating and cause a fire.



4. Do not touch the plug with wet hands. This may result in electrical shock.



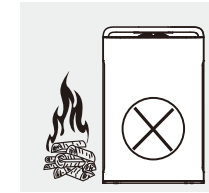
5. Do not place your fingers or metal objects into the air vents. This may cause electrical shock or injury.



6. To avoid electrical shock or fire, do not allow water, flammable cleaners, or other liquids enter the product.

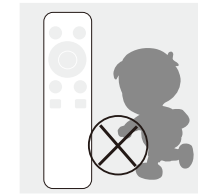
7. This product cannot replace normal ventilation equipment, vacuum cleaners, or kitchen fans.

8. Please do not use this product near gas appliances, heating appliances, or stoves.

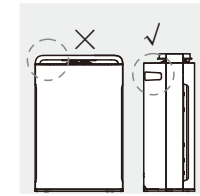


9. Do not use this product in a humid or hot environment, such as the shower, restroom, or kitchen.

10. Make sure the remote is placed somewhere children cannot reach to avoid unintended damage.



11. The two arches at both sides of the operation panel are not handles and cannot be pulled. The handles are at both sides of the purifier body.



12. Do not place this machine up-side-down, because there is a liquid humidification device in it.

13. Do not place in the following locations:
-Unstable places: this may cause the product to topple or fall down. This may lead to injury, electrical leakage, or fire.
-Hot or humid places, such as the shower: this may result in electrical shock or fire due to electrical leakage.
-Places like the kitchen that emit fumes.

14、Do not use the air purifier in a room that is using an incense-type insect killer.
-Chemical residue may accumulate in the machine and then be released, causing harm to physical health.
-After using insect killer or mosquito coils, allow the room to be fully ventilated before using the air purifier.

Mandatory

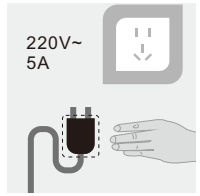
1. Should any of the following conditions occur, turn off the machine immediately (electrical shock, sparks, or smoke may occur):
   -Strange noises or vibrations during operation.
   -Product is unusually hot, or has a burnt odor.

2. Please clean the plug regularly
   If there is dust or moisture on the plug it could damage it. This may result in a fire.
   -Unplug the power cord, and wipe it with a dry cloth.
   -Unplug the power cord if the appliance is not used for a long period of time.

3. Before electrical maintenance, make sure to unplug the device.
   -The product may suddenly turn on, leading to electrical shock or injury.

4. Please plug the power cord securely into the power outlet. If the plug is not securely seated, this may cause overheating which may lead to electrical shock and even fire.
   -Do not use a damaged plug or loose power outlet.

5. Please unplug the cord using the plug insulator.
   -Pulling the power cord to unplug it may cause damage to the power cord, electrical shock, short circuit, or fire.



6. Should any of the following circumstances arise, please turn off the machine power immediately and contact the service department:
   -A switch does not work.
   -Power cord or plug is unusually hot.
   -You detect an abnormal sound or vibration.
   -Any other abnormalities or malfunctions.

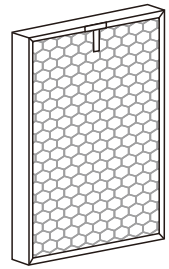
7. To prevent the hazard of electrical shock, only trained professionals should disassemble the machine.

Filter/Dust Sensor/Anion Producer Cleaning and Maintenance

1. Pre-filter (approximately twice per month)

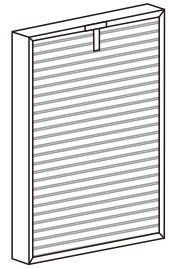
-Clean the surface of the filter with a vacuum cleaner or wash with water. Allow to dry thoroughly.

2. Cellular -Activated Carbon, cold catalyst filter (approximately once every two months)



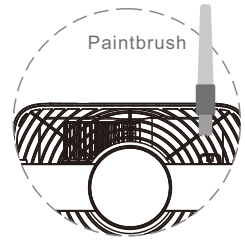
-Clean the dust from the front of the filter with a vacuum cleaner.
-Place the filter in a ventilated area, this will allow harmful gasses and germs to dissipate. Do not place under too much sun exposure.
-The filter is delicate. Do not press too hard on the filter while vacuuming.
-Do not use water to clean this filter.

3. Antibacterial cotton, HEPA filter (approximately once every two months)



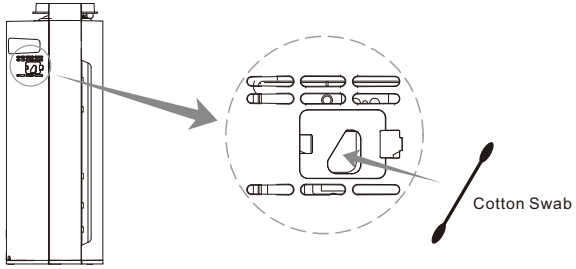
-Place the filter in a ventilated area, this will allow harmful gasses and germs to dissipate. Do not place under too much sun exposure.
-Do not use water to clean this filter.

4. Anion producer cleaning and maintenance.



-When you hear the machine produce a creaking sound, use a #1 or #2 paintbrush as a cleaning tool. Insert the brush from the ventilation window above the anion emission head. Regularly clean the dust all around the emission head.

5. Particulate sensor (approximately once every two months).



Wipe the lens with a dry cotton swab periodically to remove any dirt. (Moisture or tobacco smoke residue may cause it to no longer work properly). First remove the particulate sensor cover, use a dry cotton swab to wipe the lens.
-Do not insert the cotton swab into any area other than the lens.
-Be sure to unplug the power cord.
-If you are unable to see clearly, please use a light.

※Friendly Reminders:
-Before cleaning and maintenance, unplug the power cord.
-Do not operate the machine in absence of a filter. It will not be able to remove the dust. Dust taken into the machine may cause malfunction.
-When not using the machine for a long period of time, please unplug it. Power is also consumed while in standby mode.
-You may need to replace filters sooner depending on where and how you use the appliance (such as a household with a large smoking population or areas with higher air pollution). Replace the filter if filtration is not noticeable.

Packaged Items

Body	1PC
Remote Control	1PC
Filters	3PCS
Humidification Mesh	1PC
Instructional Manual	1PC

Troubleshooting

Common malfunctions, error code description, and troubleshooting method.

Malfunction	Inspect / How to fix
Cannot turn on power or pressing button has no response.	1.Is the Power cord plugged in? Plug in the power cord. 2.Is the purifier covered? Close the front cover. 3.Is the machine placed vertically on the ground? Place the machine on a flat surface. Is the machine in child-lock mode? When “Child-lock” appears on the display, hold the lock/reset button for 5 seconds to turn off the child-lock.
The air is dirty, but the air pollution indicator says "green". The air pollution indicator remains "red" even when continuously running.	1. Is the purifier in a place that cannot easily absorb the dirty air (dust)? Move it somewhere else. 2. Is the particulate sensor dirty? Clean the particulate sensor.
There is a banging or chirping sound while running.	Is there too much dust on the anion producer? Clean the anion producer.
The smell of the supply vent is unpleasant.	1. Is the filter dirty? Clean the filter. 2. Has the filter been replaced in a long time? Replace the filter.
The purifier has been running for a long time but has had no significant improvement in air quality.	1. Was the plastic bag on the filter removed? Remove the plastic bag from the filter before using. 2. Is the filter order incorrect?
The display shows F1 or F2.	Please turn off the power immediately and contact the maintenance department.
Machine immediately goes to sleep mode.	Deactivate automatic mode.