



Thenow KJ302X-T01-HK Electrostatic Air Sterilizer User Manual

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Health From THENOW



After Service

Whole Device Warranty 1 years (Except for man-made damage).

Packing List

1.	Machine	1pc
2.	Power Line	1pc
3.	User Manual	1pc

※ The design picture on the manual and the outer packaging are for reference only, the actual appearance is subject to the packing product.

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Preface

Nowadays, considering the increasingly serious air pollutions, people mainly use air purifier and ventilator to improve IAQ (indoor air quality). But it is surely not enough.

Thenow Electrostatic air sterilizer has triple sterilization and filtration system, which can effectively kill germs and other harmful organisms, and filter PM2.5 and other particulate matters. Meanwhile, zero consumables and zero ozone release are also its unique advantages.



Principles of sterilization

1. The high-energy electric field generated by high-voltage discharge can destroy the DNA and RNA molecular structures in bacteria and viruses, killing them and making them lose the ability to reproduce themselves.
2. At the same time, the ozone generated by static electricity can also kill bacteria and viruses.
3. The OH-produced during the reaction on catalytic coupling filter has strong oxidizability. It can kill bacteria and viruses too. While the ozone and formaldehyde /VOC reactions, producing water and carbon dioxide.

Principles of sterilization



Technical Data

Normal Use Environment: Temperature: 10~40°C Relative Humidity < 85%

Thenow Electrostatic Air Sterilizer

Model

KJ302X-T01-HK

Appearance



Size(mm)

248*508*725mm

Rated Voltage(V)

220V~

Rated Frequency(Hz)

50Hz

Rated Power(W)

60W

Standby Power(W)

≤2W

Air Flow(m³/h)

420m³/h

Noise dB(A)

38~56dB(A)

White Grape Fungus Killing Rate(%)

≥99.98%

Air Natural Bacteria Extinction Rate(%)

≥93.26%

The above is the test data from the third-party testing agency.

Usage Tips

1. Ensure the machine is stable when placed, and it is forbidden to tilt or lay it down.
2. When moving the machine, please unplug the power line first.
3. If the static disinfection filter module is not installed, do not use.
4. Do not disassemble the catalytic coupling module inside the Machine.
5. Do not block the air inlet and outlet.
6. Do not use in places where oily molecules float, such as kitchens.

Simple Troubleshooting

Failure State	Possible cause	Suggestion
Cannot Run	Power unconnected or voltage mismatch	Choose 220V grounded power socket
Loud noise	Floor not even thus machine vibrating	Try to keep the ground even
Smoke and odors are difficult to remove	Electrostatic sterilization module needs cleaning	Clean the Electrostatic sterilization module

Product Overview

Thenow Electrostatic Air Sterilization is a key product of the National 863 Program. It was developed by Thenow Research Institute and Shanghai Jiaotong University in ten years and is based on the national patent (Pure ESP Electrostatic Sterilization System, Patent No. 201210037660.8) Our unique pure electrostatic sterilization and catalytic coupling provide users with sterile and healthy air, with the advantages of zero ozone and zero consumables.

Product Feature



Pure ESP

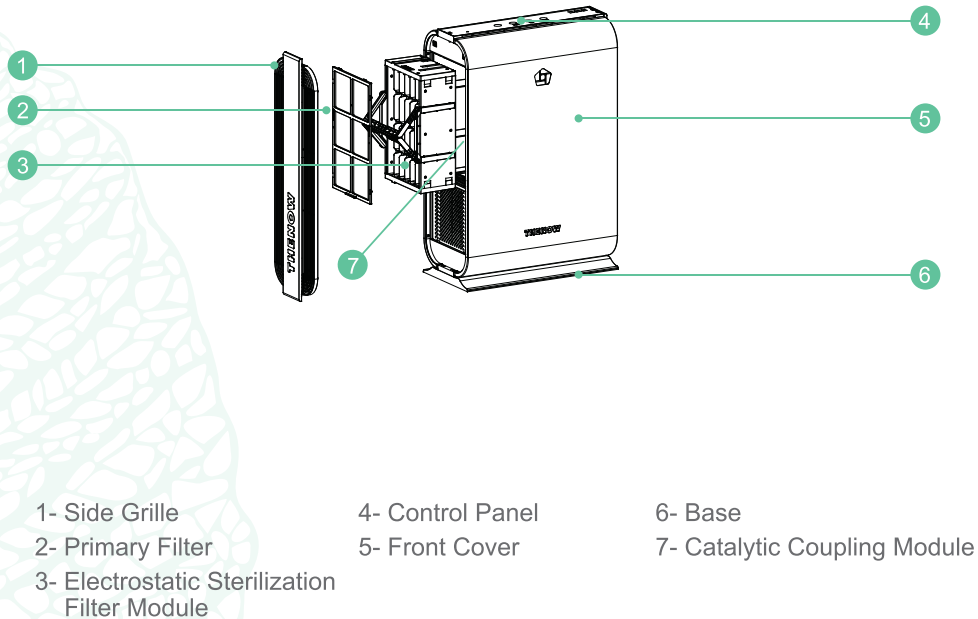
It retains the advantages of traditional ESP and as well as removed the disadvantage (Too much ozone) of it. As we already know, electrostatic technology can be used in air filtration and sterilization. Meanwhile, there will be massive ozone produced which is harmful to human being. However, Thenow Pure ESP system can decompose ozone on its patented catalytic plate completely. After decompose, much of hydroxyl radical is generated. This can efficiently promote the decomposition of VOCs such as formaldehyde and toluene at room temperature. And it's also good for further sterilization. So it's a Pure ESP system. (Patent number, 201210037660.8)



Dual Engine power, Extremely Silent

Thenow Research Institute and Shanghai Jiaotong University have deep technical cooperation to develop a new type of motor and volute wind wheel. Through the precise adjustment of FREE NOW intelligent control core, our machine can have big volume under low speed, low energy consumption, and low noise of 38dB(A)

Product Structure



Cleaning Indicator of electrostatic sterilization filter module.

The Machine will automatically record its working time every time when it is turned on, and at the same time, it will calculate cumulatively. When the cumulative working time reaches three months, the cleaning indicator will be on. When the cumulative working time reaches half a year, the life indicator will continue to flash.

Safety Caution

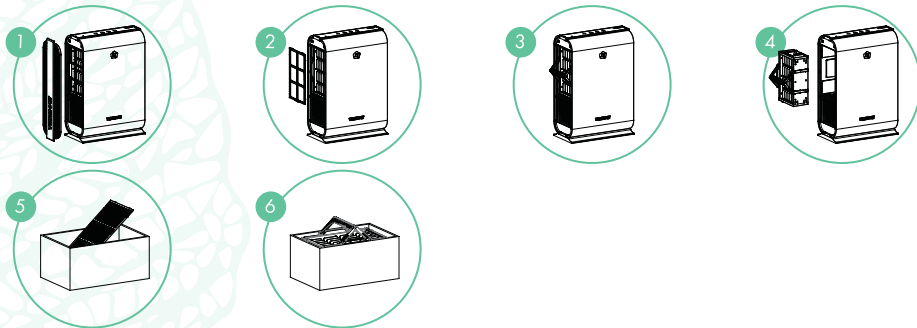
1. Only connected with 220V / 50Hz alternating current.
2. To avoid danger, this device can not be operated by exquisite children and elderly people without self-care ability, and disabled persons.
3. When cleaning or moving the unit, must be unplugged in advance. When unplugging, you must hold the plug part. It is forbidden to pull the rest of the power line with force.
4. Do not unplug with wet hands.
5. Do not plug when the power line is damaged or it is too loose after being inserted. Please contact Thenow dealer in time.
6. Do not bruise, break, excessively bend, stretch, twist, bundle, press or squeeze the power line.
7. Do not replace the power line without authorization. If the power line is damaged, in order to avoid danger, it must be replaced by a maintenance department designated by the product dealer.
8. Do not keep the air outlet and air inlet open to the ambient, no obstacles nearby.
9. This product is forbidden to spray water, and do not use it in the environment with high humidity (<85%RH).
10. Do not get close to the fire source, and do not allow the product to inhale the sparks generated by combustible gas or cigarettes etc.
11. If the product will not be used for a long time, please turn it off and unplug the power supply.
12. Please do not modify it by yourself, non-professional repair personnel should not disassemble and repair it. If there is an operation failure or abnormal function, please immediately cut off the power.

Maintenance and Replacement

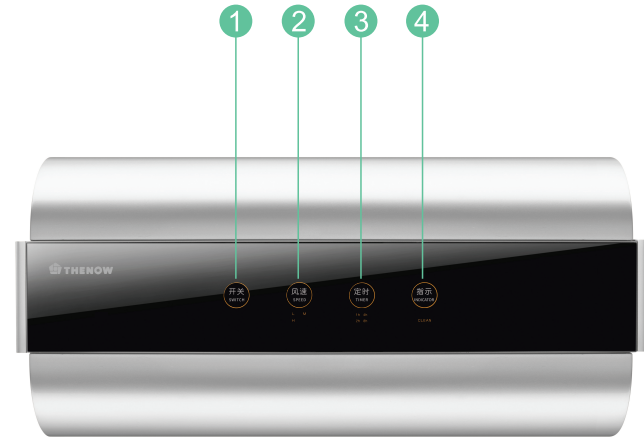
- ⚠ Warning!
- 1) Must be unplugged before cleaning the primary filter and electrostatic sterilization filter module!
 - 2) Reset the filter washing reminder after cleaning electrostatic sterilization filter module!
 - 3) The primary filter and electrostatic sterilization filter module must be dried before re-putting into the machine!
 - 4) The electrostatic sterilization filter module needs to be cleaned on the following two conditions!
 - Wash it after using more than 3 months; If indoor pollution is heavy, wash it before 3 months.
 - Wash it when the indicator light on.

Filter Washing Steps:

1. Hold the grating on the left side, pull it and lift it to get it down. See pic 1.
2. Pull out the prefilter. See pic 2.
3. Position the two handles together to the central part. See Pic 3
4. Pull the electrostatic sterilization filter module with two handles at the same time. And take it out. See Pic 4.
5. Wash the prefilters in the clean water. See pic 5.
6. Put the electrostatic sterilization filter module into water and wash it. See pic 6.
7. The prefilter and electrostatic sterilization filter module must be dried before re-puting into the machine.



Operation Panel



1-开关键
SWITCH

2-风速键
SPEED

3-定时键
TIMER

4-指示灯
INDICATOR

How to use Thenow Air sterilizer

Note: For the first time

Find a position to place it according to your use need. Ensure that the machine stands stable. And keep some empty space on the two sides to ensure smooth airflow (inlet and outlet).

1. Plug in the power supply. Press the start button after the start-up music is over. The machine starts to operate in the automatic mode.
2. In the power on state, each time you press the wind speed button, the machine operation mode is cycled to switch between medium air speed (M), high air speed (H) and low air speed (L). The corresponding status is displayed below the air speed button.
3. In power on state, the timer is off by default. Once the timing button is touched, the running time will be switched by the cycle of OFF / 1H / 2H / 4H / 8H. The corresponding status is displayed on the lower side.
4. In the power on state, the CLEAN indicator of the filter timing is on continuously. Press and hold the instruction button for 3 seconds to reset the filter timing. The CLEAN indicator flashes 5 times and goes out to remind the user that the filter reset is complete.



Product Picture

