

aerione

USER MANUAL

Power Air Sanitizer

Model: AER-PUR815



Please Read Manual Completely Before Using

Thank you for purchasing the

Power Air Sanitizer

If you have any questions or concerns, please reach out to us at aerione@aerione.com.

We hope you enjoy your new air sanitizer!

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Package Contents

- 1 x Air sanitizer appliance
- 2 x Pre-Filter (pre-installed)
- 2 x Activated Carbon + HEPA 13 Filter (pre-installed)
- 1 x User Manual

Specifications

Voltage Input	110 -120 VAC / 60Hz
Rated Power	85 W
Noise Level	<51 dB
Anion Concentration	10 Million/cm ³
CADR (Particulate Matter)	800 m ³ /hr (471 cfm)
CADR (Formaldehyde)	400 m ³ /hr (206 cfm)
Applicable Area	93 m ² (1,000 ft ²)
Product Dimensions	40x40x67 cm (16x16x26 in)
Net Weight	14.0 kg (31 lbs)
Cleaning Methods	Pre-Filter (dual) Activated carbon filter (dual) Medical grade HEPA 13 (dual) Negative Ion

SAFETY INSTRUCTIONS

General Safety

- 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 which may lead to a fire or electric shock.
- 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.
- Do not use power supplies, universal sockets, or connective devices that exceed the recommended power rating. Use only 110 to 120 VAC 60 Hz power. Using a universal socket or connected power source that exceeds this rating may lead to overheating and cause a fire.
- Do not touch the plug with wet hands. This may result in electrical shock.
- Do not place your fingers or metal objects into the air vents. This may cause electrical shock or injury.
- This product cannot replace normal ventilation equipment, vacuum cleaners, or kitchen fans.
- Please do not use this product near gas appliances, heating appliances, or stoves.
- To avoid electrical shock or fire, do not allow water, flammable cleaners, or any liquid enter the unit.
- Make sure the remote is placed somewhere children cannot reach to avoid unintended damages.
- Do not place in the following locations:
 - Unstable places: this may cause the product to topple or fall down which may lead to injury, electrical leakage, or fire.
 - Hot or humid places: this may result in electrical shock or fire due to electrical leakage.
- Do not use the air sanitizer 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 sanitizer.
 - Do not use this product in a place where you burn incense.
- Do not use the air sanitizer outdoors.

READ AND SAVE THESE INSTRUCTIONS

SAFETY INSTRUCTIONS (CONT.)

Mandatory

- Should any of the following conditions occur, turn off the machine immediately (as electrical shock, sparks, or smoke may occur):
 - Strange noises or vibrations during operation.
 - Product is unusually hot, or has a burnt odor.
- Please clean the plug regularly. Any dust or moisture on the plug can cause damage that may result to 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.
- Before any electrical maintenance, make sure to unplug the device to avoid the unit suddenly turning on.
- Please plug the power cord securely into the power outlet to avoid possibility of overheating.
- 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.
- To prevent the hazard of electrical shock, only trained professionals should disassemble the machine.
- Never operate the machine without the filters installed.

CLEANING PROCESSES

1 Pre-Filter

The first stage uses a screen with light plastic filter material to stop and capture dusts, pollen, pet dander, mold spores, soot, and other hazardous air particles that may cause allergies and trigger various respiratory problems.

2 Activated Carbon

Filtration using activated carbon crystals scattered over a honeycomb designed surface area for a more efficient absorption of toxins and harmful gases. This filter uses coconut shells as activated carbons which are far more superior and cleaner compared to charcoals made from coal, wood, and other materials.

3 HEPA13

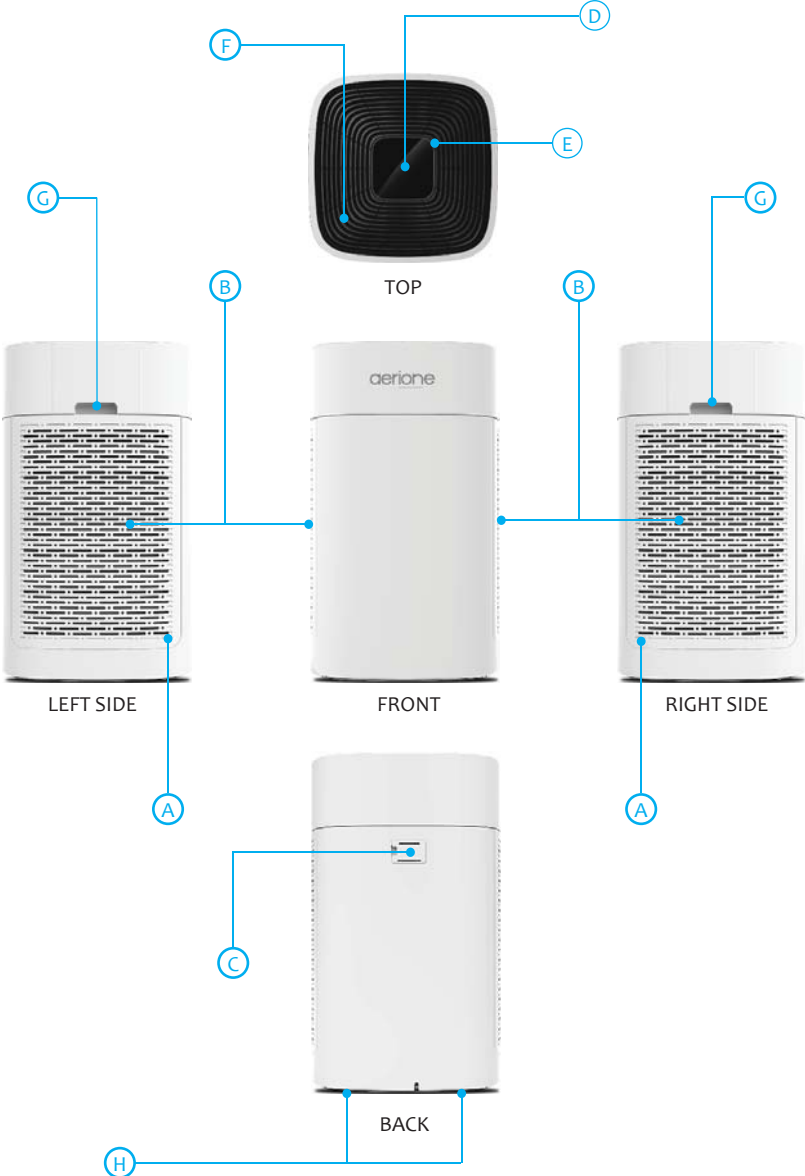
Medical grade filter that traps 0.3 micron sized airborne germs, viruses, smoke and dust particles at an efficiency rate of 99.97% or more.

4 Negative ion

Produces large amounts of anions that are released into the air. These negatively charged ions get attached to air contaminants that are usually positively charged, clumping together until the particles become heavy and fall to the floor, thus further reducing air pollutants.

GETTING TO KNOW YOUR AIR SANITIZER

- A. Side Cover
- B. Air Intake
- C. Air Particle Sensor
- D. Control Panel
- E. Air Quality Indicator Lamp
- F. Air Outlet
- G. Handle Grip
- H. Roller Wheels



DISPLAY PANEL



CONTROL KEYS



On/Off Button

- Powers the unit ON/OFF



Child Lock

- Disables all other control keys



Mode

- Choose to operate in either Automatic, Turbo, or Sleep Mode
- Activates Wi-Fi



Timer

- Selects hours of machine operation



Speed

- Manually adjust speed of operation



Filter *

- Filter replacement reminder

STATUS MODES



Automatic



Sleep



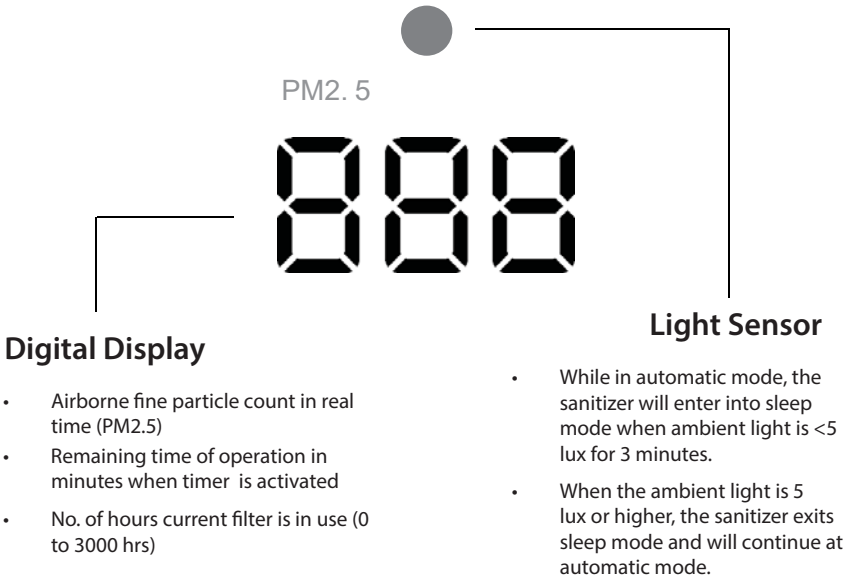
Turbo



WiFi

- * Flashes red continuously when a total of 3,000 hours the machine has been operating is reached.

STATUS INDICATOR



Air Quality Indication (AQI)

Surrounding air quality is monitored thru a built-in floating particle sensor. Condition is visually shown thru changing colors of an air quality indicator lamp on the display panel.

AQI vis-a-vis PM2.5 (ug/m3) measurements

Good to Moderate



0 - 100

Unhealthy



101 - 200

Very Unhealthy



201 - 300

Hazardous



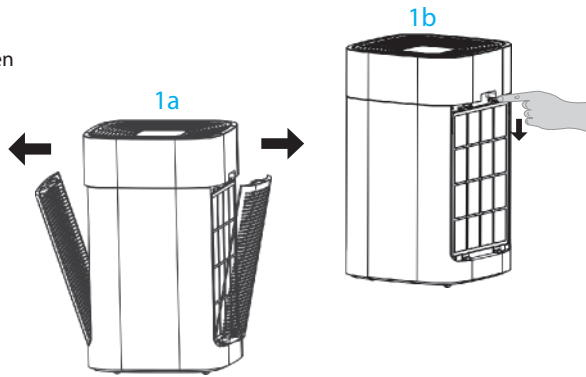
300+

When in automatic mode, the motor wind speed will adjust depending on detected air quality.

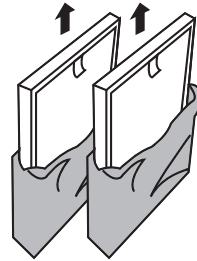
When not in automatic mode, no adjustment on wind speed will be made.

GETTING STARTED

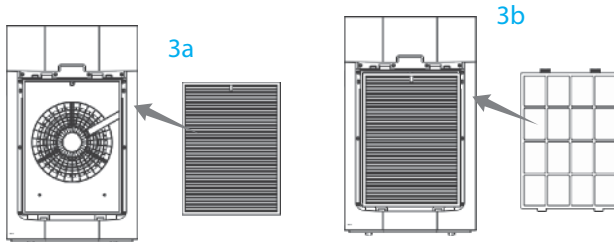
1. Open the covers on both sides then remove all filters



2. Remove all plastic packaging from filters

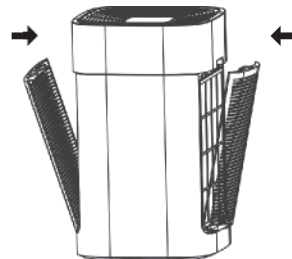


3. When re-installing filters, make sure that the 2-in-1 filter side with the pull tab are on top and facing out.



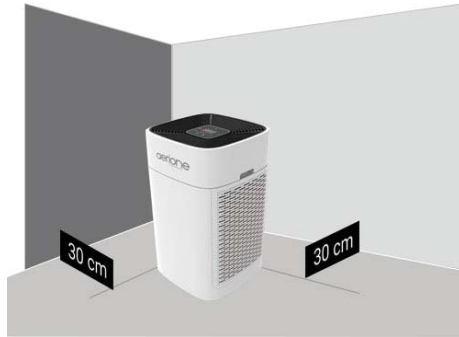
4. Re-install the two side covers

Note that the air sanitizer will not operate when covers are not re-installed properly.

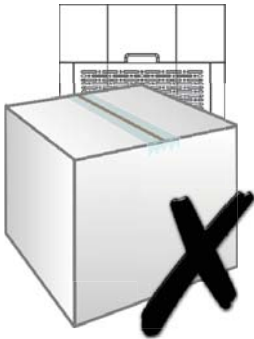


DURING INSTALLATION

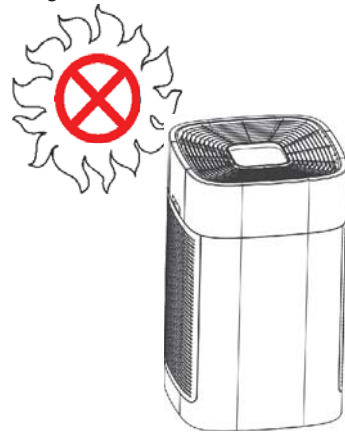
1. Place the product on a hard flat surface with at least 30 cm clearance from any wall or object.



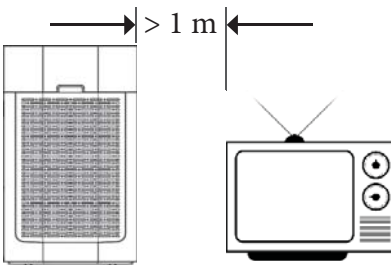
2. Make sure that there are no object to obstruct air flow thru the inlet or exhaust vents.



3. Do not place in direct sunlight, facing air conditioner vents, or any heated surfaces to avoid the unit to warp, deteriorate, discolor, or altogether malfunction.




4. Place the air sanitizer at least 1 meter away from TVs or radios as the unit may cause interference.




USING YOUR AIR SANITIZER


Power ON/OFF




The power icon  turns red when the product is plugged to a power outlet. Unit is on standby mode but still OFF.

Gently pressing the power button once produces an audible ring tone followed by the button turning green . Unit is now ON.

The unit then goes thru a 30 second system cycle that ends with the display panel showing whatever is the PM2.5 particle reading during start up.

At this point the button  lights up, indicating that the machine (by default) is now on Automatic Mode.

To turn the unit off and return to standby mode, just press again .

Speed Select



Pressing this button in sequence will cycle the machine into 3 different wind speeds



Note that the fan motor speed will only be adjusted manually once this button is pressed (i.e., will not be controlled by air quality sensor).

Child Lock



While the unit is on, pressing gently this button for 5 seconds lights it up and locks the machine at its current configuration.

Once activated, all other function keys will be none operational.

To turn of the locked condition, press and hold button for 5 seconds.

Note: Unit will automatically turn off when the front cover is removed or is improperly placed.

Mode Select



Pressing this button in sequence will set the the machine thru the following modes of operation:



Auto

Adjusts the wind speed depending on the air quality detected.

Negative ion generator is turned on.



Turbo

Wind speed is adjusted to maximum.



Sleep

Wind speed is adjusted to the lowest level and indication lamp is turned off.

Wind speed will not be controlled by the air quality sensor.

Timer



Press to manually set the number of hours of operation (1 - 12). Button lights up when activated.

A quick first and second press sets the timer to 1 hr. Each succeeding press adds an extra hour until 12 hrs is reached after which it goes back to zero.

To check for timer time remaining, press once and the display panel will show the time left in minutes.

USING YOUR SANITIZER (CONT.)

For best results:

- Let the air sanitizer run first to its maximum wind speed for about 20 minutes before going down to a lower speed or going into Auto Mode.
- Have all nearby doors and windows closed for a more effective cleaning of the surrounding air.

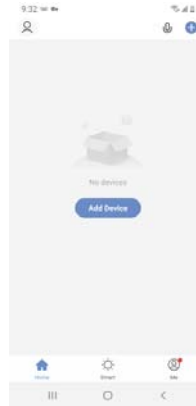
WiFi

This air sanitizer may be managed from a mobile phone using the third party Smart Life app, downloadable for free either from Apple App Store (IOS) or Google Play (Android).



Step 1: Add device

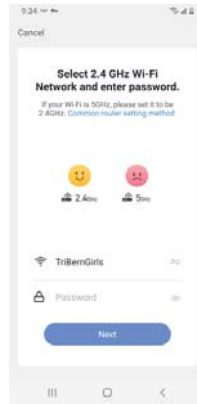
- Make sure that the mobile phone and the machine are near each other, and that the Wi-Fi signal is good.
- Open the App, then Add device.
- Select "Add Manually" and choose the appliance that's most applicable (i.e., Small Home Appliances > Air Purifier).



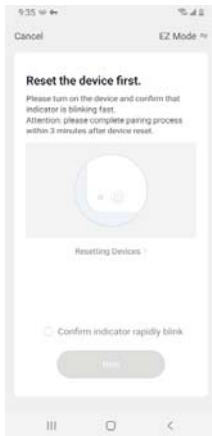
USING YOUR SANITIZER (CONT.)

Step 2: Connect to Wi-Fi

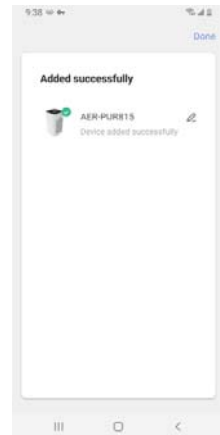
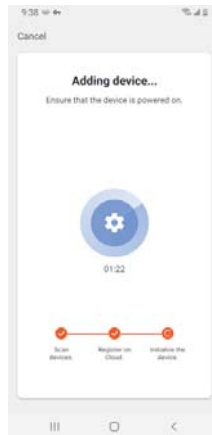
- Select the Wi-Fi access point the machine can connect to the internet, and enter the password.
Note: Only 2.4GHz Wi-Fi networks are supported at the moment.
- While the machine is on standby (i.e., power OFF but plugged into power outlet), press and hold the mode button for 5 secs and wait for the Wi-Fi button to blink rapidly.



- Confirm the Wi-Fi rapid blinking on the machine then click Next.



- Wait for a few seconds until it displays that the device is successfully paired.



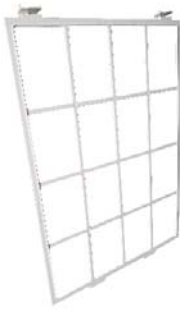
IMPORTANT

- Ensure that Wi-Fi connected to is 2.4Ghz and not 5Ghz
- Confirm only when rapid blinking of the Wi-Fi on the machine occurs

KEEPING THINGS CLEAN

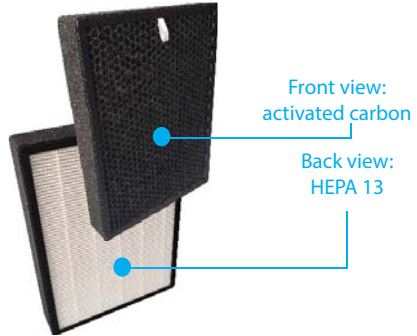
The AER-PUR815 power air sanitizer comes with two sets each of the following filters:

PRE-FILTER



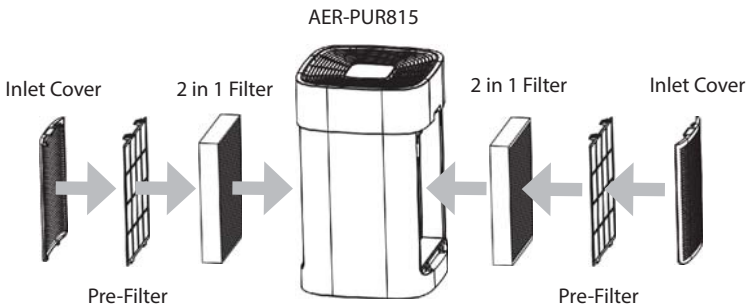
First level protection against dusts, mites, pollen, ash, pet dander, hair, soot, and other similar in size floating particles

2-IN-1 COMPOSITE FILTER



Protection against odour and other nasty smells, cigarette smoke, molds, gas pollutants, as well as viruses and bacteria.

Filter Placements



KEEPING THINGS CLEAN (CONT.)

Cleaning the Filters

1. Pre-Filters (2 pcs)

Clean the surface with a vacuum cleaner or wash with water to remove large particles like hair, dander, dust, soot, and pollen that may be entangled.
Frequency: twice per month.



2. Composite Filter (2 pcs)

Place in an open and ventilated area to allow harmful gases and germs to dissipate. Clean only the activated carbon side (black side with pull tab) with a vacuum cleaner. Do not expose under too much sun. Do not use water to clean.

Frequency: once every two months.

When Should Filters Be Replaced?

When the air sanitizer is used regularly, it is recommended that the two 2-in-1 filter #2 (Activated Carbon + HEPA13) be replaced every 6 months.

It may however be necessary to replace filters earlier than expected depending on where and how the air sanitizer is used (ex. when used in an environment with relatively high pollution).

Unless damaged, the pre-filter need not be replaced.

New filters may be needed earlier if you notice an increased noise level when the unit is on, when there is a considerable decrease in airflow, unusual odors, or when the filters are visibly clogged.

To ensure that the filters perform at their highest efficiency level, it is vital that these be replaced at a timely manner.

Note: Use only genuine Aerione filter replacements to ensure proper operation of your air sanitizer.

- Filter #1: Pre-Filter (PN FLR_815A)
- Filter #2: Activated Carbon + HEPA 13 Filter (PN FLR_815B)

KEEPING THINGS CLEAN (CONT.)

Filter Replacement Reminder

This air sanitizer has an indicator light to inform the user to check the filters.



- After every 300 hrs, this button will flash as a reminder to clean the pre-filters. When done, press and hold button for 5 secs to reset.
- After every 3,000 hrs, this same button will flash as a reminder it's time to replace the composite filters. When done, press and hold button for 5 secs to reset.
- For both instances above, notifications will also be sent thru the WiFi app.
- To check the number of working time in hours, press once and the digital display will show two sets of numbers in succession:
 - 1st: hour (in thousands)
 - 2nd: hours (in hundreds)

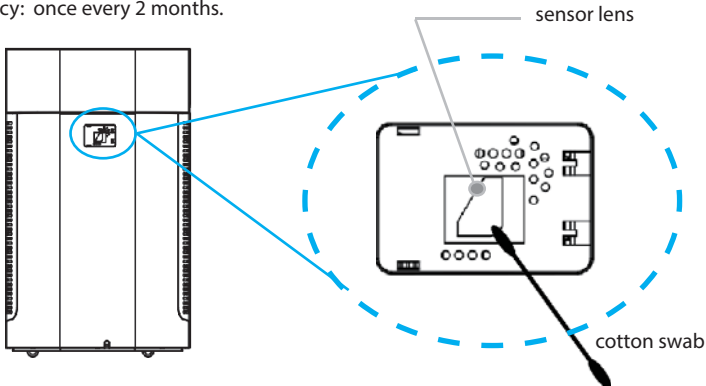
Ex.: first (1), 2nd (525) = 1,525 hrs

Cleaning the Air Particle Sensor

The air particle sensor located at the back of the machine allows real time detection of airborne micro particles, allowing the fan motor to adjust in wind speed according to the condition.

To clean, first remove the cover then wipe the sensor lens with a wet cotton swab to remove any dirt as moisture or tobacco smoke residue may cause it to no longer work properly. Wipe the lens with a dry cotton swab afterwards.

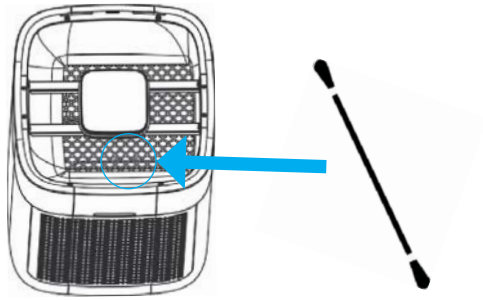
Frequency: once every 2 months.



KEEPING THINGS CLEAN (CONT.)

Cleaning the Negative Ion Generator

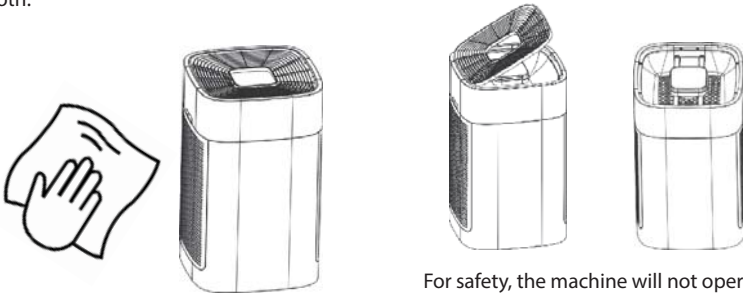
When you hear a creaking sound, this may indicate a dusty anion generator. To clean, regularly brush off the dusts around the two heads using a cotton swab.



Cleaning the Air Vents

Over time, dusts will get attached to the inlet and outlet air vents. To clean, simply wipe off with a clean cloth.

The top air vent grill can easily be removed by simply lifting it up starting at one end where the ◀ symbol is.




For safety, the machine will not operate unless the top grill is properly placed back.

Notes on Cleaning:

- Always unplug the unit before cleaning and maintenance.
- Never operate the air sanitizer without the filters as the dusts taken in will result to the motor being damaged.
- Unplug the unit when it will not be used over a long period. Power is consumed even while in standby mode.

TROUBLESHOOTING

Problem	Possible Solution
Unit will not turn on or respond to button controls.	Make sure that unit is plugged to a power outlet.
	Make sure that power cable is not damaged.
	Close the side covers and top grill properly.
	Be sure that the unit is flat on the ground.
	Unit may be in child lock mode (see page 12).
Air is poor but the air quality indicator stays green.	Make sure that the air particle sensor is clean (see page 16).
Air quality indicator is always at red and motor speed stays high.	Check that the unit is in a place or location where it can properly absorb the air.
Air sanitizer is unusually noisy while the fan is on.	Make sure that filter plastic packagings were removed.
	Check if filters are not clogged or need to be replaced.
	Make sure that no large foreign object is inside.
Too much banging or chirping sound while running	May need to clean up the anion generator due to too much dusts (see page 17).
Smell of air coming out of vent is unpleasant	Filters too dirty and needs replacement.
Sanitizer has been running for a long time but has had no significant improvement in air quality	Ensure that any plastic packaging on the filters were removed.
	Filters too dirty and needs replacement.
Filter change light is still flashing even after replacing filters.	Press and hold the reminder  button for 5 secs to reset the check filter light (see page 16).
Air flow coming out is significantly slow.	Make sure all filter plastic packagings were removed.
	Make sure all sides of the sanitizer to the nearest wall is 30 cm or more and there are no large obstruction in between.
	Filters may be too clogged and therefore may need to be replaced.
Poor quality of air purification.	Increase fan speed.
	Make sure that all filter plastic packagings were removed.
	Make sure that the unit is being used in a room that is 1,000 ft ² or less. Also, close all doors and windows when the unit is in operation.
	Filters may be too clogged and therefore may need to be replaced.
Air sanitizer randomly turns off.	Unit may be malfunctioning. Please call customer support.

WARRANTY INFORMATION

Product Name	Power Air Sanitizer
Model	AER-PUR815
Default Warranty Period	1 year
<i>For proof of purchase purposes, please provide the following information.</i>	
Date of Purchase	
Order ID	

Warranty Terms

AERIONE warrants to the original purchaser, with proof of purchase, that its delivered products shall be free from defects in material and workmanship under normal use from date of purchase to the end of the warranty period.

AERIONE will repair, or at its option, provide an equivalent item or replace, the defective product during the stated warranty period. Refunds are available within the first 30 days of purchase and are only applicable to the original purchaser of the product. This warranty applies only to the repair or replacement of the product and only when the product is properly handled, installed and maintained according to the owner's manual guidelines. This warranty extends only to personal use and does not extend to any product that has been used for industrial, rental, or any other use in which the product is not intended for. There are no warranties other than the warranties expressly set forth with each product.

The warranty contained herein applies only to the original purchaser and are not assignable or transferable to any subsequent purchaser or end-user. AERIONE Inc. is not responsible in any way for any damages, losses, or inconveniences caused by user negligence, abuse, or use noncompliant with the user manual or any additional safety, use, or warnings included in the product packaging and manual.

This warranty does not apply to the following:

- Damage as a result of misuse, accident, abuse, alteration, tampering, or vandalism.
- Improper or non-conformance to maintenance recommendations to include use of non official Aerione filters.
- Damage during return shipping.
- Unsupervised use by children under 18 years of age.

CUSTOMER SUPPORT

For immediate support, please contact the local reseller or distributor if your product was purchased outside of the USA and Canada.

For all other questions and inquiries, you may get in touch with us at:

AERIONE Incorporated
77 City Centre Drive, Suite 501, E Tower
Mississauga, ON, L5M 6R1, Canada

Email: aerione@aerione.com

Please have your order invoice and order ID (or any proof of purchase) ready before contacting Customer Support

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