

aerione

USER MANUAL

Multistage Air Sanitizer

Model: AER-PUR807



Please Read Manual Completely Before Using

Thank you for purchasing the

Multistage 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
- 1 x Pre-Filter (pre-installed)
- 1 x Cold Catalyst+Activated Carbon Filter (pre-installed)
- 1 x Anti Bacterial+High Efficiency HEPA Filter (pre-installed)
- 1 x Remote Control Unit
- 1 x Owner's Manual

Specifications

Power Supply	220 VAC/50Hz - 240 VAC/60Hz
Rated Power	85 W
Noise Level	36-56 dB
Anion Concentration	10 Million/cm ³
CADR (Particulate Matter)	350 m ³ /hr
CADR (Formaldehyde)	81.5 m ³ /hr
Applicable Area	24 - 42 m ²
Product Dimensions	40 x 20 x 60 cm
Weight	9.8 kg
Cleaning Methods	Pre-Filter Cold Catalyst Filter Formaldehyde Filter Antibacterial Cotton High Efficiency HEPA UV Light 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 220V~ 5A AC 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.
- Do not use this product in a humid or hot environment, such as the shower, restroom, or kitchen.
- Make sure the remote is placed somewhere children cannot reach to avoid unintended damage.
- 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, such as the shower: this may result in electrical shock or fire due to electrical leakage.
 - Places like the kitchen that emit fumes.
- 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.

7-STAGE CLEANING

Stage 1:

Pre-Filter

The first stage uses an aluminum alloy 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.

Stage 2:

Cold Catalyst Filter

Low temperature catalyst filter that helps to destroy formaldehyde, benzene, xylene, TVOC and other harmful gasses by transforming these into harmless carbon dioxide and water.

Stage 3:

Activated Carbon Filter

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.

Stage 4:

Antibacteria Cotton Filter

Unwoven textile made of cotton with small fiber diameter that effectively traps particles as small as 5 microns. Material is moisture proof and mold resistant and with the antibacterial agent added, effectively destroys 99% of airborne germs passing thru it.

Stage 5:

HEPA13 Filter

Medical grade filter that traps 0.3 micron sized airborne germs, viruses, smoke and dust particles at an efficiency rate of 99.95% or more.

Stage 6:

UV Lighting

Sterilization using UV lights with 365 nanometer wavelengths (UV-A). Kills a variety of airborne bacteria and germs. Purifies the air, eliminates musty odors, as well as produce a certain amount of anions thereby making the air fresh while avoiding the spread of viruses in the air.

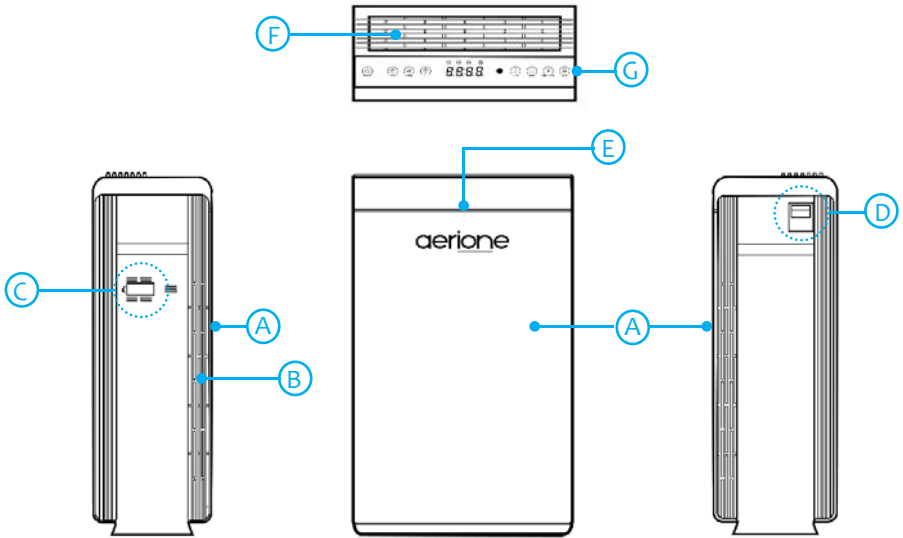
Stage 7:

ANION Generation

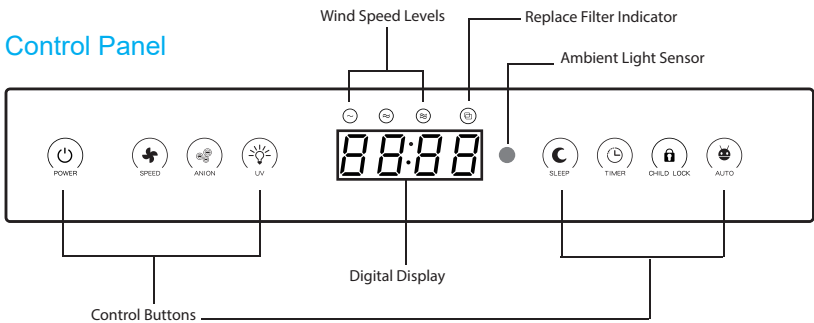
Produces large amounts of anions that are released into the air. These negatively charged ions gets attached to air contaminants that are usually positively charged, clumping together until the particles become heavy and fall to the floor, thus making the air smell fresher.

GETTING TO KNOW YOUR AIR SANITIZER

- A. Front Cover
- B. Air Intake
- C. Air Particle Sensor
- D. Scent Infuser
- E. Air Quality Indicator
- F. Air Vent
- G. Control Panel



Control Panel



CONTROL BUTTONS



On/Off Button

- Turns the air sanitizer on or off



Fan Speed Button

- Cycles speed thru low, medium, and high
- Exits automatic mode when speed is changed
- Hold for 3 sec to re-enter automatic mode



Anion Button

- Turns on the anion (negative ion) button



UV Sterilizer Button

- Turns on the UV light function



Sleep Button

- Exits the automatic mode and puts speed to low. All lights and displays will then be off.
- To reset the filter replacement indicator light, hold for 3 secs.



Timer Button

- Sets time from 30 mins to 12 hrs in 30 minute increments.
- 5 seconds after setup, display will go back to PM2.5 value while timer counts down on the background
- Hold button for 5 secs to exit this function.
- Press button to display remaining time left.



Child Lock Button

- Press to enter. Hold for 5 secs to exit.
- Before entering this mode, hold for 5 secs to see total time filter has been used in hours (between 0-1500 hrs)



Auto Button

- Press to enter automatic mode.

STATUS INDICATOR



Digital Display

- Displays:
 - Airborne fine particle count in real time (PM2.5)
 - Remaining time of operation when timer is activated (hours).
 - No. of hours current filter is in use (0 to 1500 hrs).

● — Light Sensor

- While in automatic mode, the sanitizer will enter into sleep mode when ambient light is <5 lux for 3 minutes.
- When the ambient light is 5 lux or higher, the sanitizer exits sleep mode and continue running in automatic mode.

Air Quality Indicator

With the internally installed sensor, real time air quality condition is shown thru the color changes in front of the unit with corresponding actual count of fine particles as shown on the display panel.

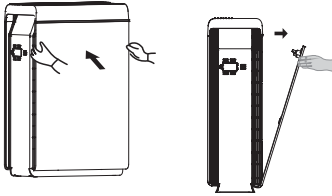
Color	Air Quality	PM2.5 Count (ug/m3)
Green	Good	120 or less
Yellow	Moderate	121 to 250
Red	Bad	250 and above

When in automatic mode, the motor wind speed will automatically adjust to the air quality as it is measured by the air particle sensor.

When not in automatic mode, the air quality condition will still be detected but without the air sanitizer making any adjustment on wind speed.

GETTING STARTED

1. Open the front cover of the air sanitizer then pull out one at a time all three filters.

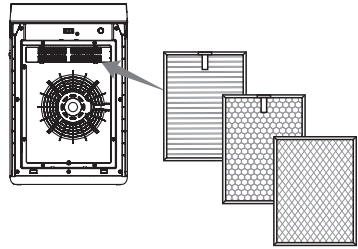


2. Remove plastic packaging of the filters

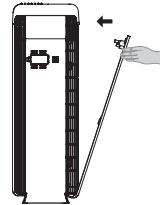


3. Reinstall in sequence all 3 filters into the air sanitizer with the Antibacterial/HEPA filter first (fan side), the Activated Carbon/Cold Catalyst second, then the Pre-Filter last (front cover side).

All pull tabs should be facing out.



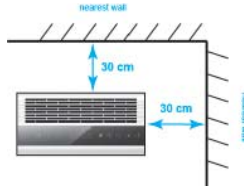
4. Reinstall front cover.



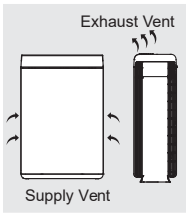
Note that the air sanitizer will not turn on if the front cover is not properly placed back.

DURING INSTALLATION

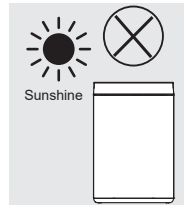
1. Place the product on a hard flat surface with at least 30 cm clearance from any wall or object.



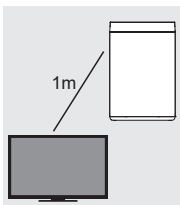
2. Make sure that there are no object to obstruct air flow thru the inlet or exhaust vents.



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

Auto Mode

Press  to turn on the air sanitizer. The buttons , , and  will all light up together with  to indicate that the unit is in automatic mode.


After a few seconds, the motor speed will adjust accordingly based on the air quality value displayed on the display panel.

Auto mode only applies to motor wind speed which means that the Anion and UV features can be turned off or on anytime when at this mode.

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.




Sleep Mode



When either on Auto or Forced mode, clicking on the  button will turn off all the control panel lights and brings the motor speed down to the lowest level.

Use this mode to create a quiet environment and without any distracting light.


To exit, just press any button.

Forced Mode

When power button  is pressed, click on  to change to the desired motor speed which at the same time will turn off  exit auto mode.

Depending on the preference, press  or  to turn on or off any of these cleaning features.

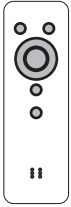
Timer

Push the  button to the desired run time. Display will flash for a while then goes back to the PM2.5 reading.

To exit, just press  and hold for 5 secs.

USING YOUR SANITIZER (CONT.)

Remote Control



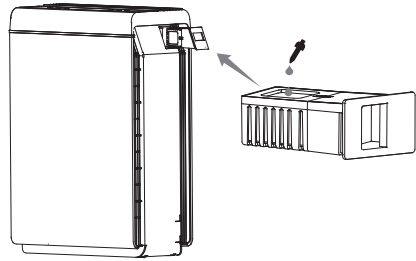
The air sanitizer comes together with a remote control unit that uses regular button sized lithium batteries. When this unit will not be used over an extended period of time, please take out the battery.

Note:

- The buttons on the remote unit correspond to the same buttons as in the air sanitizer, with the same functions and operations.


Infuser


To add fragrance to the clean air from the air sanitizer, pull out the infuser box found at the side and apply essential oil to the provided cloth inside. Push back the box afterwards.



Safety Features

- CHILD LOCK OPERATION.

Push the  button to go into this operation. When activated, the operation panel and remote control will not function.

To exit this setting, hold down the  button for 5 secs.

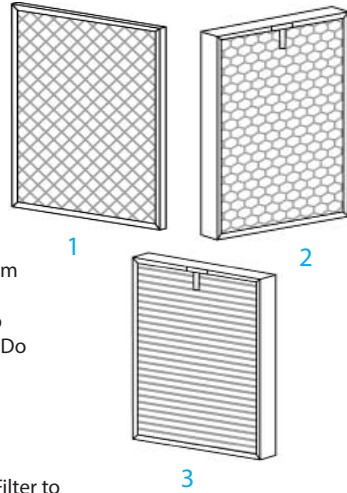
- AUTOMATIC SHUT DOWN

Unit will automatically turn off when (a) front cover is missing or is improperly placed, and (b) when unit is lifted.

KEEPING THINGS CLEAN

Cleaning the Filters

1. Clean the Pre-Filter surface with a vacuum cleaner or wash with water to remove large particles like hair, dust, pollen, and dander that may be entangled. Do this approximately twice per month.
2. Gently clean the front side of the Cold Catalyst+Activated Carbon Filter with a vacuum cleaner. Do not press too hard as the filter is delicate. Place the filter in a ventilated area to allow harmful gasses and germs to dissipate. Do this once every two months.
3. Do not clean the Antibacterial Cotton+HEPA Filter to prevent any fine dust or bacteria being released back into the surrounding air.



KEEPING THINGS CLEAN (CONT.)

When Should Filters Be Replaced?

When the air sanitizer is used regularly, it is recommended that Filter #2 (Catalyst+Activated Carbon) and Filter #3 (Antibacterial Cotton+HEPA) be replaced every 6-8 months, while every 2 years for Filter #1 (Pre-Filter).

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).

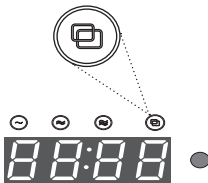
New filters may be needed earlier if you notice an increased noise when the unit is on, when there is a considerable decrease in airflow, unusual odors, or when the filters are visibly clogged.




Note: Use only official Aerion filter replacements to maintain proper operation of your air sanitizer.

- Filter #1: Pre-Filter (PN FLR_807A)
- Filter #2: Cold Catalyst+Activated Carbon Filter (PN FLR_807B)
- Filter #3: Antibacterial Cotton+HEPA Filter (PN FLR_807C)

Check Filter Indicator

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

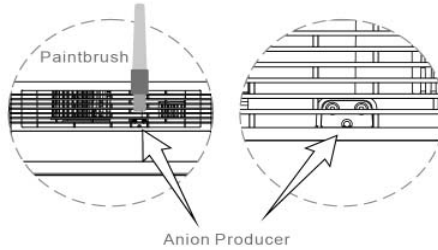


- Every 320 hours the check filter light will light up. Press and hold the sleep  button for 5 secs. to clear this reminder.
- Once 1500 hours is reached, the check filter light will flash. Press and hold the sleep  button for 5 secs. to reset the timer function.
- To see how long the filters have been used so far (in hours), press and hold the  button for a few seconds.

KEEPING THINGS CLEAN (CONT.)

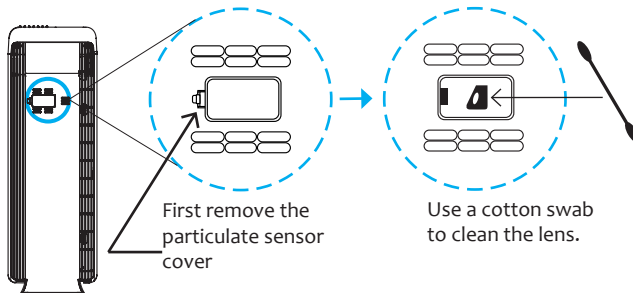
Cleaning the Anion Generator

When you hear a creaking sound, this may indicate a dusty anion generator. To clean, regularly brush off the dusts around the head using a #1 or #2 paint brush.



Cleaning the Air Particle Sensor


Approximately once every two months, wipe the lens with a cotton swab dipped in water 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.



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 front cover properly.
	Be sure that the unit is flat on the ground.
	Unit may be in child lock mode (see page 8).
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 16).
Smell of air coming out of vent is unpleasant	Filter too dirty and may need 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. Check that filters are placed in their proper sequence.
Display panel shows F1 or F2.	Please turn off power and contact customer support.
Check filter light is still flashing even after replacing filters.	Press and hold the sleep  button for 5 secs to reset the check filter light (see page 15).
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.
	Clean air particle sensor (see page 16).
	Make sure that the unit is being used in a room that is 42 m ² or less. Also, close all doors and windows when the unit is in operation.
Air sanitizer randomly turns off.	Unit may be malfunctioning. Please call customer support.

WARRANTY INFORMATION

Product Name	Multi-Stage Air Sanitizer
Model	AER-PUR807
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 commercial, 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 Aerion 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

aerione

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