

aerione

USER MANUAL

# Multistage Air Sanitizer

Model: AER-PUR808



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](mailto:aerione@aerione.com).

We hope you enjoy your new air purifier!

## Table of Contents

Package Contents	3
Specifications	3
Safety Instructions	4
7-Stage Cleaning	6
Getting to Know your Air Purifier	7
Control Buttons	8
Status Indicator	9
Getting Started	10
During Installation	11
Using Your Purifier	12
Keeping Things Clean	17
Troubleshooting	19
Warranty Information	20
Customer Support	21

## Package Contents

1	x	Air Purifier
1	x	Pre-Filter (pre-installed)
1	x	Cold Catalyst+Activated Carbon Filter (pre-installed)
1	x	Anti Bacterial+High Efficiency HEPA 13 Filter (pre-installed)
1	x	Humidifier Mesh (pre-installed)
1	x	Remote Control Unit
1	x	Owner's Manual

## Specifications

<b>Power Supply</b>	110 - 120 VAC 60 Hz
<b>Rated Power</b>	95 W
<b>Noise Level</b>	26 - 57 dBA
<b>Anion Concentration</b>	10 Million/cm <sup>3</sup>
<b>CADR (Particulate Matter)</b>	488 m <sup>3</sup> /hr (288 cfm)
<b>CADR (Formaldehyde)</b>	101 m <sup>3</sup> /hr (60 cfm)
<b>Applicable Area</b>	58 m <sup>2</sup> (624 ft <sup>2</sup> )
<b>Product Dimensions</b>	40 x 23 x 62 cm (16x9x25) in
<b>Weight</b>	10.8 kg (24 lbs)
<b>Cleaning Methods</b>	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 110V - 120V ~ 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.
- 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.

# 7-STAGE CLEANING

## 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 Cold Catalyst

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.

## 3 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.

## 4 Antibacterial Cotton

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.

## 5 HEPA13

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.

## 6 UV Light

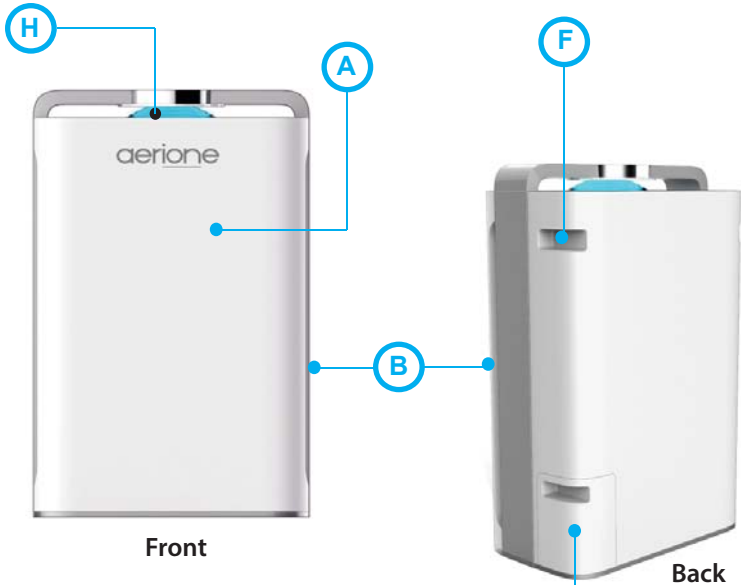
Sterilization using UV lights with 365 nanometer wavelengths (UV-A). Kills a variety of airborne bacteria and germs. Purifies the air, eliminates musty odors, as well as produce a certain amount of anions thereby making the air fresh while avoiding the spread of viruses in the air.

## 7 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 PURIFIER

- A. Front Cover
- B. Air Intake
- C. Humidifier Unit
- D. Air Outlet
- E. Control Panel
- F. Handle Grip
- G. Particulate Sensor
- H. Air Quality Indicator



# CONTROL BUTTONS



## Power

Turns the unit on or off. Machine is GREEN when on and RED when on standby.



## AUTO

Machine goes into automatic mode the first time it is powered up, activating both the negative ion generator and sterilizer. Wind speed adjusts automatically depending on the particle sensor reading.

Turns off when wind speed is manually changed.



## TIMER

Controls the number of hours the machine will be in operation. Choice of 1 to 12 hours with hourly increments.



## IONIZER

Anion generation is auto activated the first time the unit is powered up. Simply press the icon to turn off or on this feature.



## STERILIZE

UV sterilization is automatically activated the first time the unit is powered up. Simply press the icon to turn off or on this feature.



## CHILD LOCK

Gently pressing once holds to whatever is the current operational setup, while disabling all other buttons.

To turn off, press for 5 seconds.



## RESET

A reminder feature to indicate what filter needs to be cleaned or replaced.

After every 320 hrs, this icon will flash to indicate that filter #1 requires

cleaning. When done, press button for 5 seconds to reset.

After every 1500 hours, icon will again flash to indicate that filters #2 and #3 need to be replaced. Once done, press button for 5 seconds to rest.

Also used to check the number of working time in hours. Pressing once will show (thru the digital display) two sets of numbers in succession:

- 1st: hour (in thousands)
- 2nd: hours (in hundreds)

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



## SLEEP

A gentle tap turns off all lamps then switches the motor speed to the lowest level.

To deactivate, tap on any button then press sleep button within 5 seconds.

Note:

when in Auto mode, the unit will go to "sleep" two minutes after the ambient light is detected at <5 lux. It will then return to Auto mode three minutes after >5 lux is detected.



## Wind Speed

Press "-" or "+" to either reduce or increase the wind speed.

Once changed, Auto mode will turn off and wind speed will not change irregardless of the air particle sensor reading.



# STATUS INDICATOR



## Digital Display

- Airborne fine particle count in real time (PM2.5)
- Remaining time of operation when timer is activated (hours).
- Hours the current filter is in use (0 to 1500 hrs).

## Air Quality Indicator

Thru a built-in sensor, PM2.5 air particulate count is measured and the resulting air quality condition visually displayed thru the AQ lamp's changing of colors. Air cleaning wind speed are then adjusted accordingly.

Wind Speed VS PM2.5 (ug/m3) Measurement					
Speed Level	PM2.5 Data	Light Color	Speed Level	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	

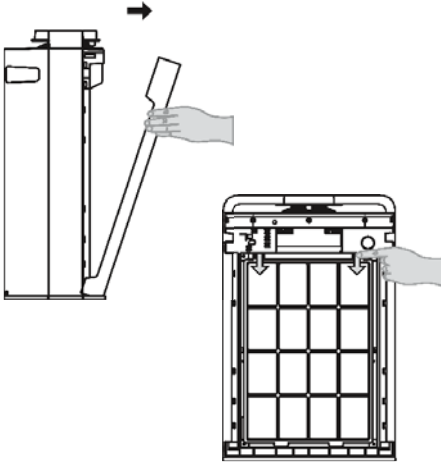
When in automatic mode, the motor wind speed will automatically adjust to the air quality as it is measured by the air particle sensor.

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

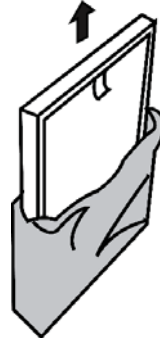
# GETTING STARTED

## Installing the Filters

1. Open the front cover then pull out filters one at a time.

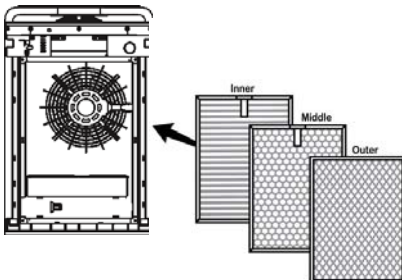


2. Remove plastic packaging from all three filters

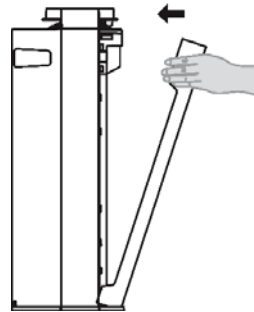


3. Re-install in sequence the 3 filters with the Antibacterial/HEPA filter first (fan side), the Activated Carbon/Cold Catalyst second, then the Pre-Filter last (front cover side).

All pull tabs should be facing out.



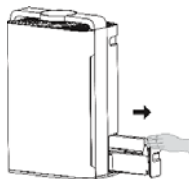
4. Reinstall front cover.



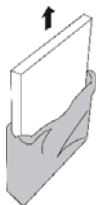
Note that the air purifier will not turn on if the front cover is not properly placed back.

# Preparing for Humidification

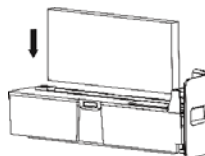
1. Pull the water tank from the lower side of the unit.



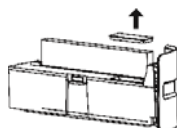
2. Remove the plastic packaging on the humidifying filter.



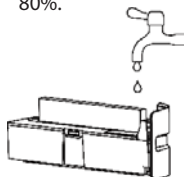
3. Insert into the container the humidifying filter.



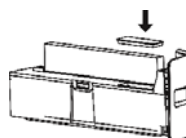
4. Remove the water inlet rubber cover.



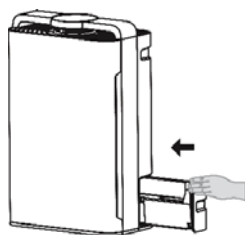
5. Add cold water to the tank, filling up to about 80%.



6. Insert back the rubber cover.



7. Push the tank back to the unit



When water is added, the unit will release moisture into the air. The amount of humidification will depend on the fan speed so the higher the speed, the more moisture will be released.

The water tank indicator lamp will flash red indicating that water level is low.

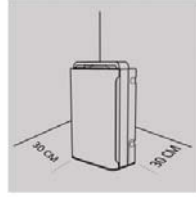


## IMPORTANT:

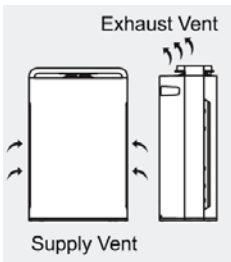
- Never turn the machine up side down or on its side.
- Remove any water from the tank if the air sanitizer will be stored over a long period of time.

# DURING INSTALLATION

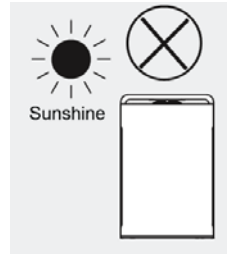
1. For a more effective air circulation, place the product on a hard flat surface with at least 30 cm clearance from any wall.



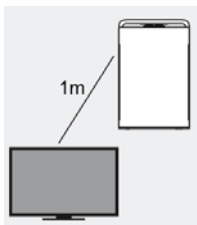
2. Make sure that there are no object to obstruct air flow thru the inlet or exhaust vents.



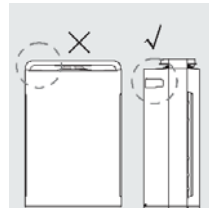
3. Do not place in direct sunlight, facing air conditioner vents, or any heated surfaces to avoid the unit to warp, deteriorate, discolor, or altogether malfunction.



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







5. The display panel arches are NOT handles. When raising the unit, use the handle grips provided at the side.



# USING YOUR PURIFIER

## 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 according to the air quality value displayed on the 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.

This mode is suitable for most situations .


For best results:

- Let the air purifier 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 Manual mode, clicking on the  button turns off all the control panel lamps, then brings the motor speed down to the lowest level.

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

To exit, just press any button then again tap  within 5 seconds.

 SLEEP

## Child Lock




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



To unlock, press down  button for 5 secs.

 CHILD LOCK

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

## Manual Mode

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

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

## USING YOUR PURIFIER (CONT.)

### Remote Control



The air purifier comes together with a remote control unit that uses regular button sized lithium batteries. Please remove battery when this unit will not be used over an extended period of time.

Note:

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

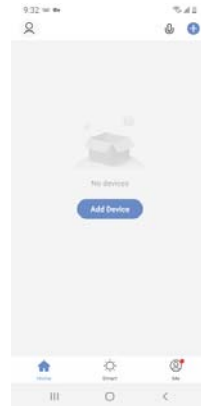
### WiFi

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 PURIFIER (CONT.)

### Step 2: Connect to Wi-Fi

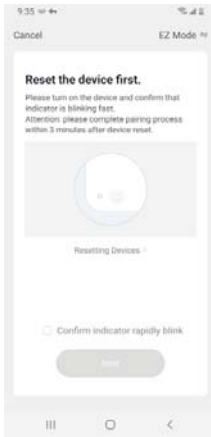
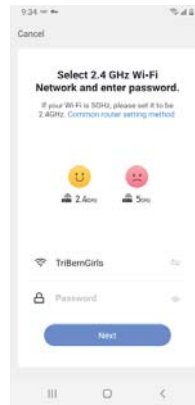
- Select the Wi-Fi thru which the machine can connect to the internet, and enter the Wi-Fi password.

Note: Only 2.4GHz Wi-Fi networks are supported at the moment.

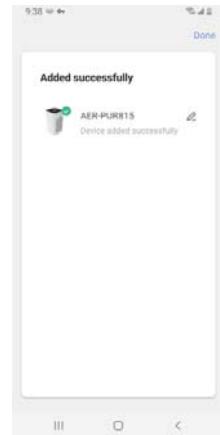
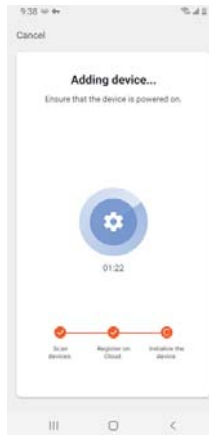
- While the machine is on standby (i.e., power OFF but plugged into power outlet), press and hold the "Ionizer" button for 5 secs and wait for the Wi-Fi button to blink continuously.



- Confirm the Wi-Fi button is blinking, then click Next.



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



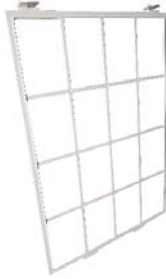
### IMPORTANT

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

# KEEPING THINGS CLEAN

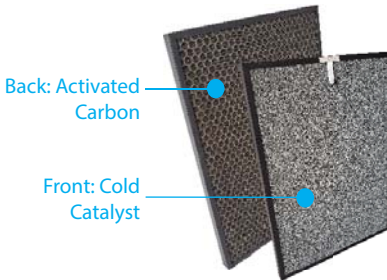
## Cleaning the Filters

### PRE-FILTER (Filter #1)



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-IN-1 COMPOSITE 1 (FILTER #2)

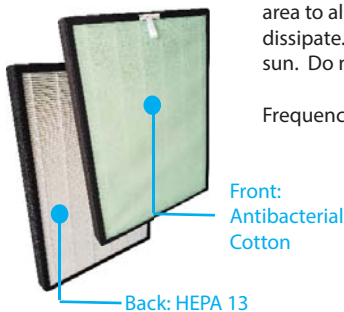


Gently clean both sides with a vacuum cleaner. Do not press too hard as the filter is delicate. Never use water to clean. Place the filter in a ventilated area to allow harmful gases and germs to dissipate.

Frequency: once every two months.



### 2-IN-1 COMPOSITE 2 (FILTER #3)



Place the filter in an open and ventilated area to allow harmful gases and germs to dissipate. Do not expose under too much sun. Do not use water to clean.

Frequency: once every two months.





## 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.

Unless damaged, there is no need to replace 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 level 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 Aerione filter replacements to maintain proper operation of your air sanitizer.

- Filter #1: Pre-Filter (PN FLR\_808A)
- Filter #2: Cold Catalyst+Activated Carbon Filter (PN FLR\_808B)
- Filter #3: Antibacterial Cotton+HEPA Filter (PN FLR\_808C)

### Change Filter Reminder

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



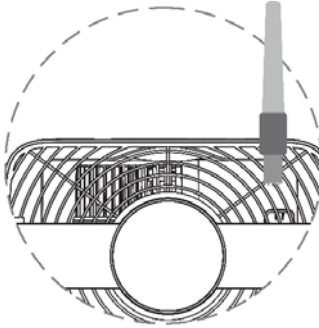
- Every 320 hours the change filter light will flash to inform users to clean up filter #1. After cleaning, press the  button for 5 seconds to stop the flashing.
- Every 1500 hours the change filter light will flash to inform users to replace filter #s 2 and 3. After cleaning, press the  button for 5 seconds to reset the timer.
- To check the working time in hours, tap  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

## KEEPING THINGS CLEAN (CONT.)

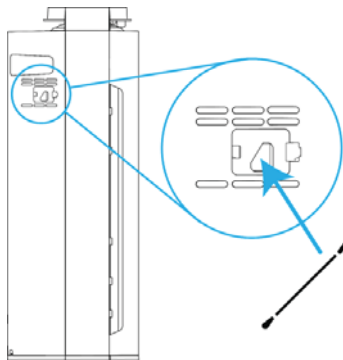
### Cleaning the Anion Generator

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. First remove the particulate sensor cover, then wipe the lens with the swab.



#### Notes on Cleaning:

- Always unplug the unit before cleaning and maintenance.
- Never operate the air purifier 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 on 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 18).
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 purifier 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 18).
Smell of air coming out of vent is unpleasant	Filter too dirty and may need replacement.
Purifier 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.
Change filter light is still flashing even after replacing filters.	Press and hold the reset  button for 5 secs to reset (see page 8).
Air flow coming out is significantly slow.	Make sure all filter plastic packagings were removed.
	Make sure all sides of the purifier 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 18).
	Make sure that the unit is being used in a room that is 58 m <sup>2</sup> more or less. Also, close all doors and windows when the unit is in operation.
Air purifier randomly turns off.	Unit may be malfunctioning. Please call customer support.

# WARRANTY INFORMATION

Product Name	Multi-Stage Air Purifier
Model	AER-PUR808
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 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](mailto:aerione@aerione.com)

Please have your order invoice and order ID ready before contacting Customer Support





aerione

[www.aerione.com](http://www.aerione.com)