

# Operation Manual

## **MAVERICK**<sup>™</sup> 1600



**IMPORTANT:** READ THIS MANUAL CAREFULLY BEFORE USE  
FOR PROPER OPERATION AND MAINTENANCE INSTRUCTIONS.

You can also view, print or download this manual by using the  
following QR code or at: [www.airmadebetter.com/maverick-1600](http://www.airmadebetter.com/maverick-1600)



# CONTENTS

MAVERICK 1600: Air Purifier

Thank you for your purchase of the Advanced Air MAVERICK 1600 air purification system. The MAVERICK 1600 is a 7 stage air purification system equipped with 7 different filtration technologies to provide unique protection against indoor air pollutants. To become familiar with your new product, please read this manual carefully and retain this booklet for future reference. You may also download this manual at: [www.airmadebetter.com/maverick-1600](http://www.airmadebetter.com/maverick-1600)

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# SAFETY INSTRUCTIONS

MAVERICK 1600: Air Purifier

Contained in this manual are important safety messages. To reduce the risk of damage, electrical shock, fire or injury, always read, follow and save all safety instructions.

**Electrical and Safety Requirements** - Reduce your risk of fire or electric shock. Failure to follow the safety instructions below could result in fire, electric shock, injury or death.

- Use only as described in this manual.
- Ensure the filter is installed correctly before turning the unit on.
- Use only a 120-volt outlet with a polarized receptacle.
- Use indoors only and in a dry environment. Do not place unit near bath, showers or where the unit could get wet; as this could cause electric shock or fire.
- The Maverick 1600 has a polarized plug (one blade is wider than the other), this plug will fit in a polarized outlet only one way. Initially, if the plug does not fit into the outlet, reverse it. If it still does not fit, contact a qualified electrician or Advanced Air service center.
- Do not use the air purifier if the power cord or plug is damaged or the connection to the wall outlet is loose or damaged.
- Do not plug the unit into an outlet controlled by a dimmer switch.
- Turn the unit off before unplugging.
- Unplug the unit before servicing or changing the filters.
- When removing the power plug, always hold the plug and never pull by the cord. Do not handle the plug or appliance with wet hands. Doing so could cause injury, electrical shock and/or fire from short circuit.
- Remove the power plug from the wall outlet before cleaning the unit and when not using the unit. Turn off all controls before unplugging.
- If the power cord is damaged, it must be replaced by the manufacturer, or an authorized service agent at a authorized Advanced Air service center.
- Never try to disassemble or repair the unit yourself. Doing so could cause permanent damage or injury.
- Do not cover the unit or impede airflow.
- Change the filters at the recommended intervals so excess dust and particles do not build up.
- Do not insert fingers or foreign objects into the intake or air outlet.
- Keep hair, loose clothing, fingers and all body parts away from openings and moving parts at all times.
- Do not operate the machine without a filter installed.
- Do not use water to clean or attempt to wash the replacement filters as this will result in permanent damage.
- ***Do not use the appliance in an enclosed space where compressed gasses, compressed oxygen, flammable, or explosive vapors are given off, or in an area where flammable dust is present.***

# UNPACKING & SETUP

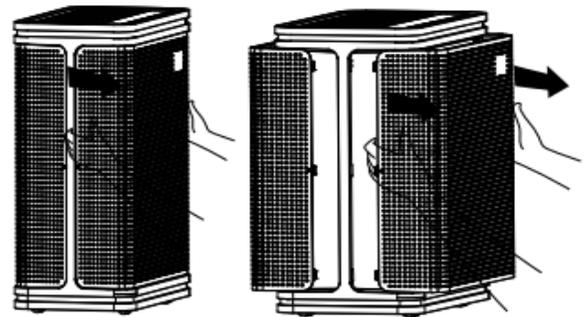
MAVERICK 1600: Air Purifier

Prior to using the Maverick 1600 please follow the following unpacking and setup instructions.

**1. Unpacking the Unit:** Remove the Maverick 1600 unit from the box and all exterior plastic packaging.

## 2. Install the Filters:

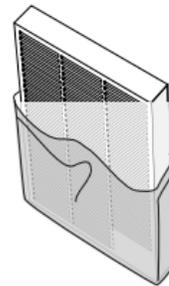
A) Remove each of the two front panels as follows: Hold each side of the panel you wish to remove in the middle of the panel. Gently pull the panel towards yourself until the panel is removed. Repeat this process for the second panel on the other side of the unit as well.



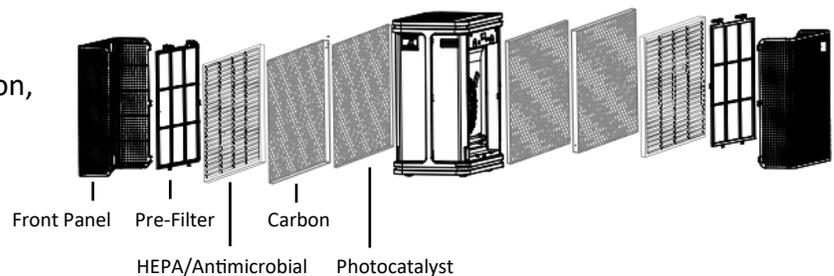
B) Remove all the filters from inside the machine.



C) Remove the filters from their plastic packaging.



D) Install the filters as shown in the following order: Photocatalyst, Carbon, HEPA/Antimicrobial and then the Pre-Filter. Repeat this for the other side of the unit as well.

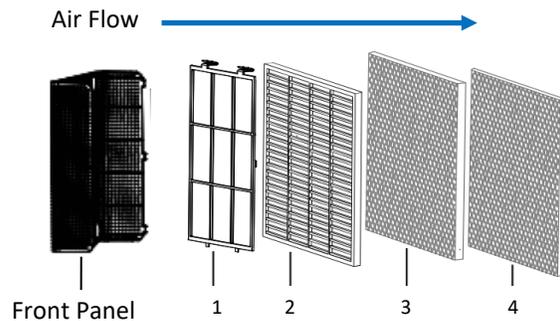


# UNPACKING & SETUP CONT'D

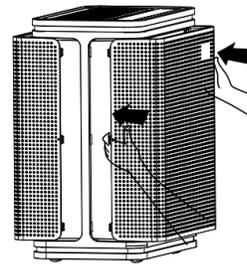
MAVERICK 1600: Air Purifier

E) Filter Installation order:

1. Pre-Filter
2. Antimicrobial / HEPA Filter
3. Carbon Filter
4. Photocatalyst Filter

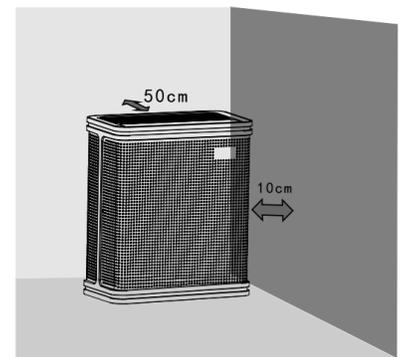


F) Install both of the front panels on each side of the unit once all the filters have been installed.



## 3. Placement of the Air Purifier

- A) Place the air purifier in a centralized location in the room or space.
- B) Place the air purifier so that the air inlets are a minimum of 2' (60cm) from the nearest wall so air flow into the unit is not impeded. Keep away from curtains or anything that could be drawn towards the air inlets and block the air inlets.
- C) Place the air purifier a minimum of 4" (10cm) away from the nearest wall on the non air inlet sides.

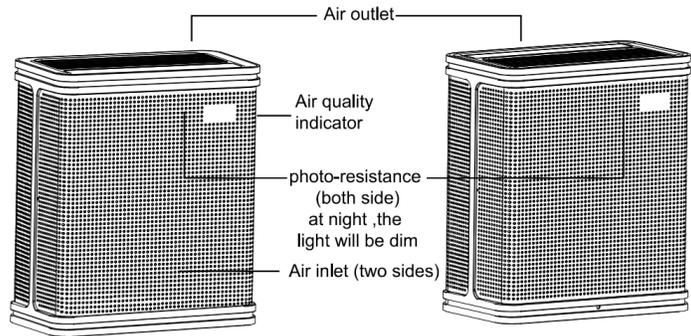


**4. Setup Completion:** Your Maverick 1600 is now unpacked, setup and ready to be turned on. To learn about the operation and features of the Maverick 1600 air purifier, please refer to the Operation & Features section of this manual on page 6.

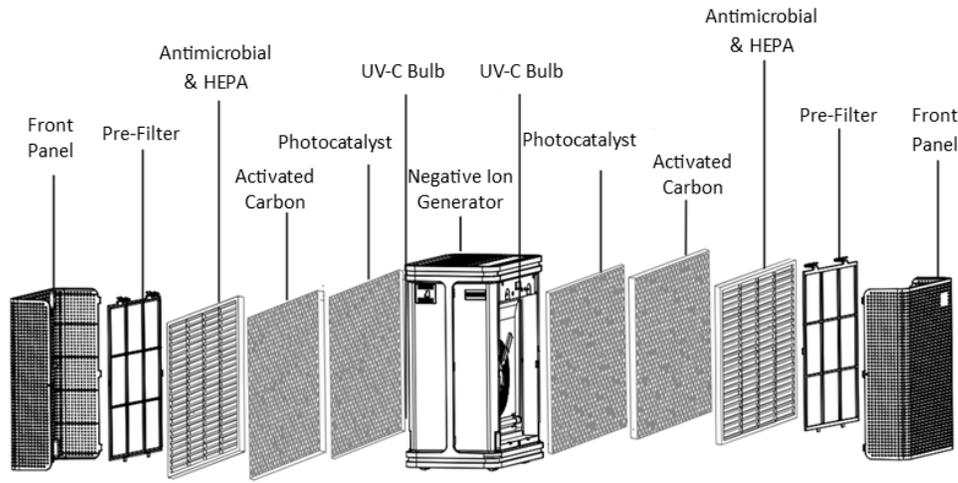
# PARTS & DISPLAY PANEL

MAVERICK 1600: Air Purifier

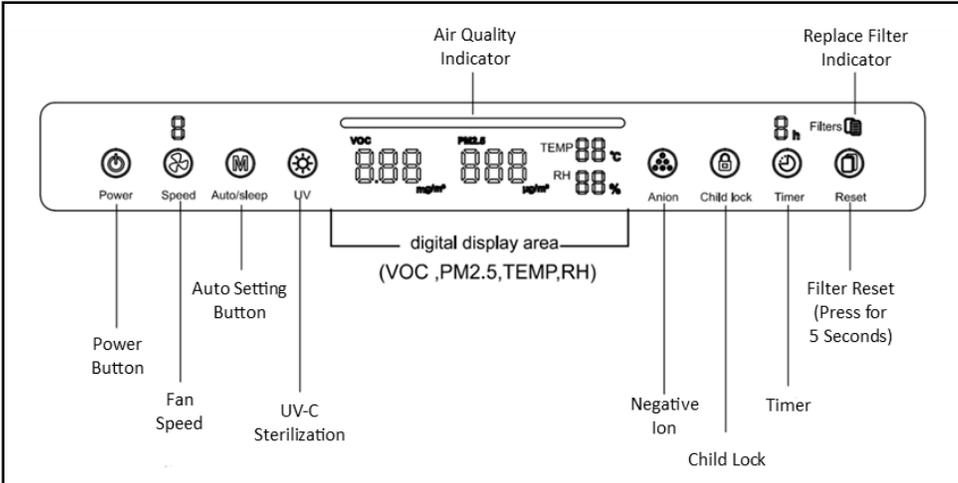
## 1. Outer Body



## 2. Filters



## 3. Display / Control Panel & Remote



# OPERATING INSTRUCTIONS

MAVERICK 1600: Air Purifier

## 1. Basic Operating Instructions (Manual Operation)

A) Plug the air purifier into a grounded outlet

B) Turn the air purifier on by pressing the “Power” icon on the display panel located on the top of the unit.



C) The unit will turn on the lowest of 4 fan settings. You may select the fan setting of your choice manually by pressing the “Fan Speed” button located on the left side of the display panel. The current fan setting will be displayed directly above the button.



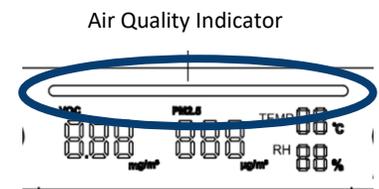
\*To learn more on how to set the unit to it’s auto setting or how to control the product from a smart phone or tablet using Wi-Fi, please refer to the “Features” section.

# FEATURES & OPERATION

## 1. Air Quality Indicator:

The Maverick 1600 is equipped with both a PM2.5 sensor which reads airborne particulate levels in real time as well as a VOC sensor which reads VOC levels in the air. Based on these readings, the Air Quality Indicator located in the center of the display will illuminate in one of four colours based on the real-time air quality.

Please refer to the following table for what each colour represents.



Colour	Particle Count	Air Quality
Blue	0 - 50 ppm	Perfect
Green	50 - 100 ppm	Good

Colour	Particle Count	Air Quality
Purple	100 - 150 ppm	Fair
Red	150+ ppm	Poor

# FEATURES & OPERATION

MAVERICK 1600: Air Purifier

## 2. Auto Setting:

When the Auto Setting is enabled, the machine will adjust the fan speed accordingly based on real-time air quality readings from the PM2.5, and VOC sensors. To turn the unit from manual to “Auto”, simply press the “Auto” button twice on the left side of the display panel or once on the remote.



Auto/sleep

## 3. Sleep Setting:

The Maverick 1600 has a “Sleep” feature which both dims the display panel to reduce the amount of light it emits at night, as well as reduces the fans speed to its lowest setting so it operates very quietly. To activate the “Sleep” setting, simply press the Auto/Sleep button located on the left side of the display panel or remote once. To turn “Sleep” setting off, simply touch the Auto/Sleep button again.



Auto/sleep

## 4. UV-C Sterilization:

The Maverick 1600 comes equipped with two UV-C sterilization lamps which operate at a germicidal wavelength of 254nm. The UV-C lamps can be turned on or off manually by simply pressing the “UV” button located on the left side of the display panel or remote. The UV-C bulbs on the machine will automatically turn on and off while the unit is running on “Auto” based on the real-time air quality readings from the PM2.5 and VOC sensors.



UV

## 5. Anion Generator (Negative Ions):

The Maverick 1600 comes equipped with a negative ion generator which produces 5 million negative ions/cc. The Negative Ions can be turned on or off manually by simply pressing the “Anion” button located on the right side of the display panel or remote. The negative ions on the machine will automatically turn on and off while the unit is running on “Auto” based on the real-time air quality readings from the PM2.5 and VOC sensors.



Anion

## 6. Child Lock:

The Maverick 1600 comes equipped with a Child Lock feature which when activated will freeze all of the buttons on the unit so that the current settings



Child lock

# FEATURES & OPERATION

MAVERICK 1600: Air Purifier

## 6. Child Lock cont'd:

cannot be changed until the Child Lock is turned off. To turn the Child Lock feature on and off, simply press and hold the “Child Lock” button for 3 seconds on the control panel or once on the remote.



Child lock

## 7. Timer:

The Maverick 1600 comes equipped with a Timer feature which acts as a countdown timer and can be set in increments of 1, 2, 4 or 8 hours. Once the timer counts down to zero, the unit will shut itself off. Although the Maverick 1600 is designed to be ran 24/7, this feature allows users to set the product where it will turn itself off for certain situations. ie. Office or school settings where perhaps the user only wants the machine to operate during working hours. To set the timer, simply press the “Timer” button until the desired amount of time is shown on the display directly above the button.



Timer

## 8. Filter Reset:

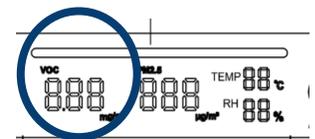
The Maverick 1600 is equipped with a sensor which reads the airflow passing through the HEPA and replacement filters. Once the sensor notices continual airflow resistance above a certain level the “Filters” icon will illuminate; indicating it is time to change the filters. Failure to change filters as indicated can cause permanent damage to the unit and also void the warranty. To reset the Filter Indicator” simply press and hold the “Reset” icon for 5 seconds until the filter light directly above turns off.



Reset

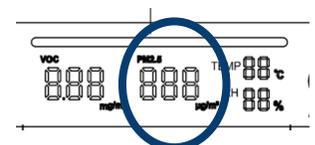
## 9. VOC Display:

The Maverick 1600 comes equipped with a VOC sensor and display. Based on real-time air quality readings from the VOC sensor, the amount of VOC's in the air will be displayed in ppm ( $\text{mg}/\text{m}^3$ ) on the left side of the display panel.



## 10. PM2.5 Display:

The Maverick 1600 comes equipped with a particle PM2.5 sensor and display. Based on real-time air quality readings from the PM2.5 sensor, the amount of particles in the air will be displayed in ppm ( $\text{mg}/\text{m}^3$ ) in the center of the display panel.

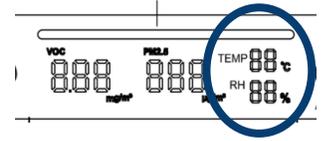


# FEATURES & OPERATION

MAVERICK 1600: Air Purifier

## 11. Temperature & Relative Humidity Display

The Maverick 1600 comes equipped with a Temperature and Relative Humidity sensor. Based on the real-time readings from these two sensors, the current room temperature and humidity level will be displayed on the right side of the display panel.



## 12. Wi-Fi Connection to the Tuya Smart App:

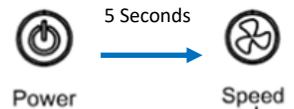
The Maverick 1600 comes equipped with WiFi integration so the unit can be controlled using a smart phone or tablet with the Tuya Smart App.

A) Download the Tuya app on to your smart phone or tablet using this QR code.



B) Register/login. Click “Add Device” & select “Small Home Appliance” then select “Air Purifier”. Enter the WiFi password. (Note 5G WiFi is not supported).

C) Turn the Maverick 1600 on, and within 5 seconds press & hold the “Fan Speed” button until connection with the app is made & select the air purifier when it appears in the app to complete the connection.

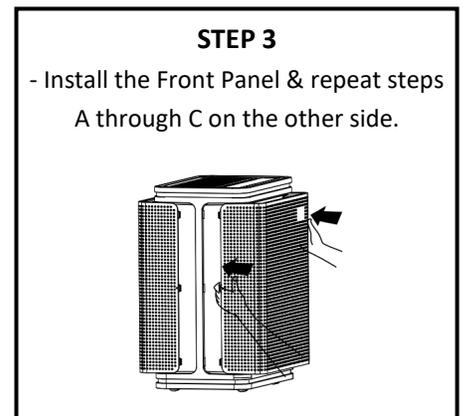
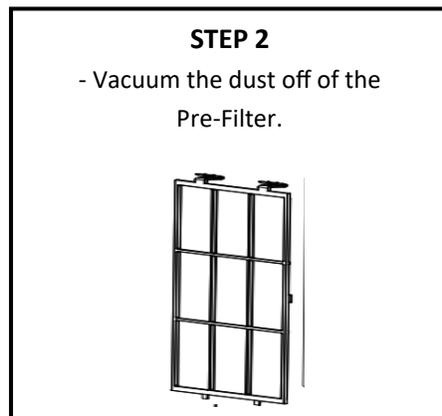
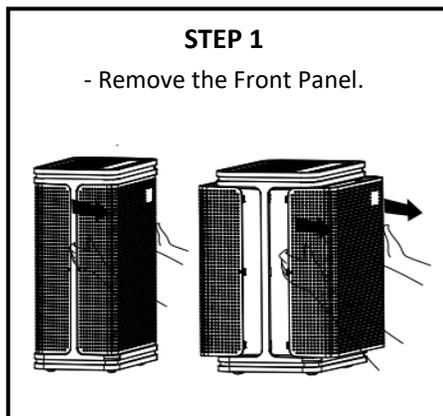


D) For additional assistance please watch the video on the Maverick 1600 page on our website.

# CARE & MAINTENANCE

## 1. Cleaning the Pre-Filter

The Maverick 1600 Pre-Filter should be cleaned using a vacuum once every 1-2 months. Keeping the Pre-Filter clean will help maintain the products performance.



Every  
1 - 2 months

Repeat this maintenance every 1-2 months or sooner if needed; based on dust levels in the application area.

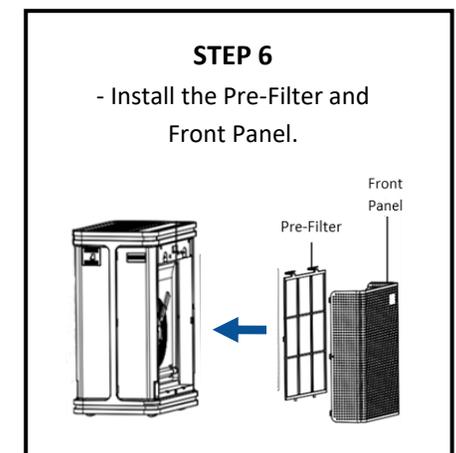
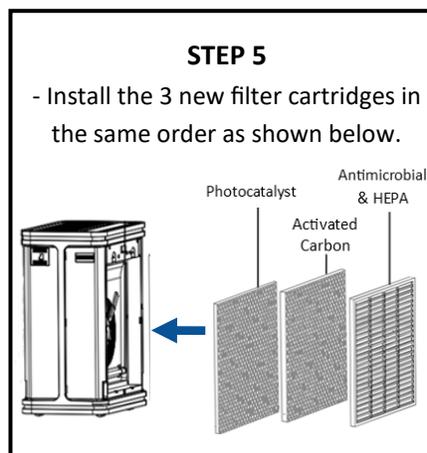
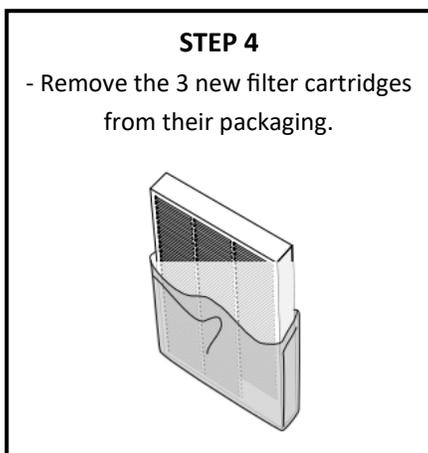
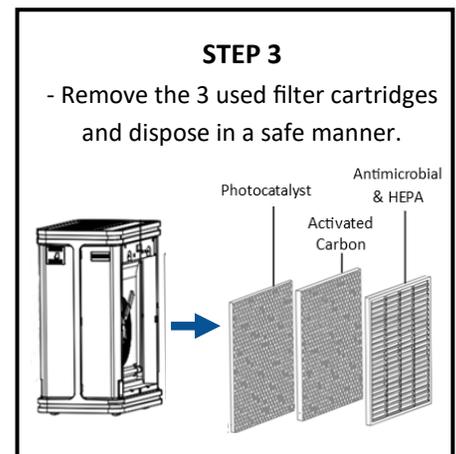
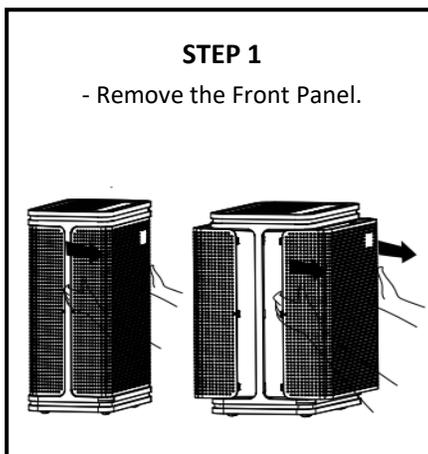
# CARE & MAINTENANCE

MAVERICK 1600: Air Purifier

## 2. Replacing the Filters

The Maverick 1600 comes equipped with a Filter Replacement Indicator. The indicator will illuminate in the top right hand corner of the display panel when it is time to change the filter. Under normal use, the indicator will illuminate around 12-15 months after initial filter installation.

There are 3 replacement filter cartridges for each side of the product (6 cartridges total) which are sold together and consist of 4 filtration stages as follows: Antimicrobial/HEPA, Activated Carbon and Photocatalyst.



Repeat steps 1 through 6 for the other side of the machine to complete the filter replacement.



Every  
12 - 15 months

Repeat this maintenance every 12-15 months or sooner if needed; based on the filter replacement indicator.

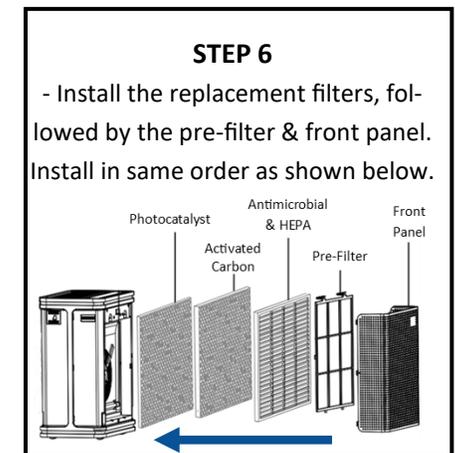
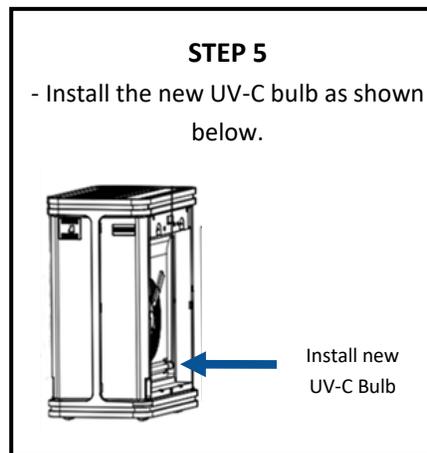
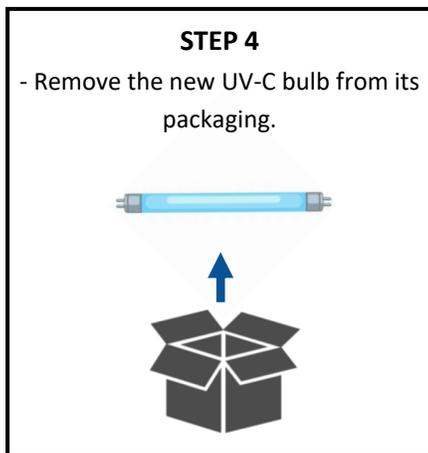
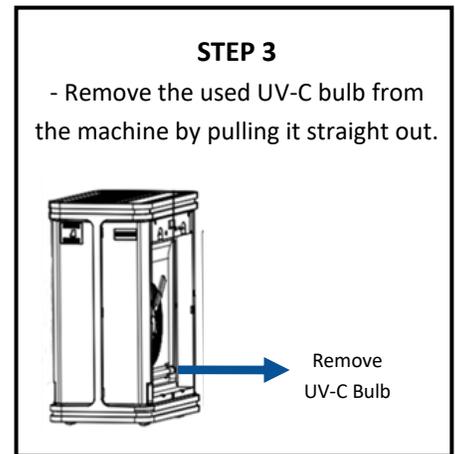
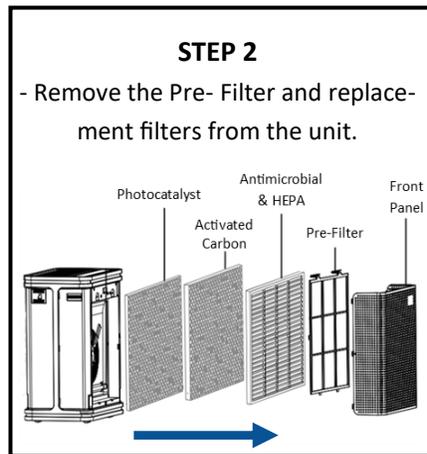
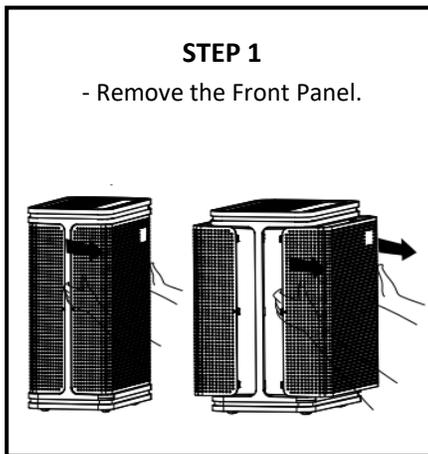
**\*Notice to user:** Maintaining proper filter replacement will maintain the products proper performance as well as life expectancy. Failure to replace filters as required could cause permanent damage to the product and/or void the products warranty.

# CARE & MAINTENANCE

MAVERICK 1600: Air Purifier

## 3. Replacing the UV-C Sterilization Lamps

The Maverick 1600 comes equipped with two UV-C sterilization bulbs located on either side of the unit behind the replaceable filter cartridges. The UV-C bulbs have a life span of 10,000 hours and should be changed every 12 - 15 months. Please follow the instructions below for replacement of the UV-C bulbs.



Repeat steps 1 through 6 for the other side of the machine to complete the UV-C bulb replacement.



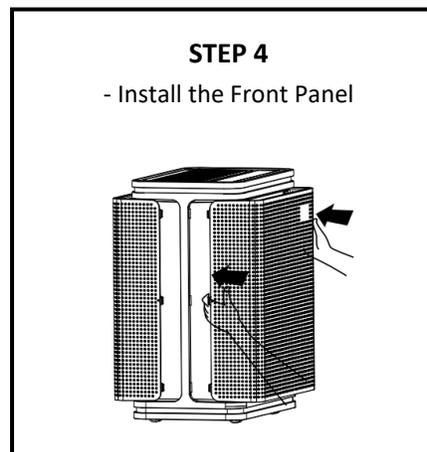
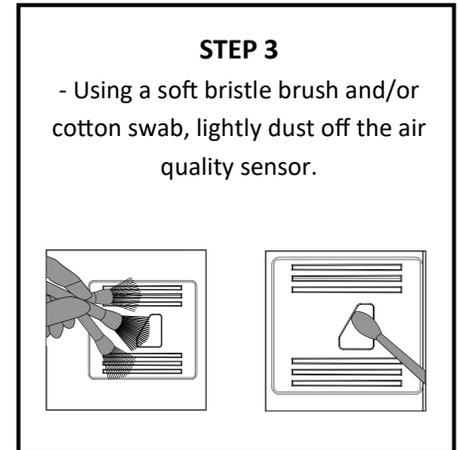
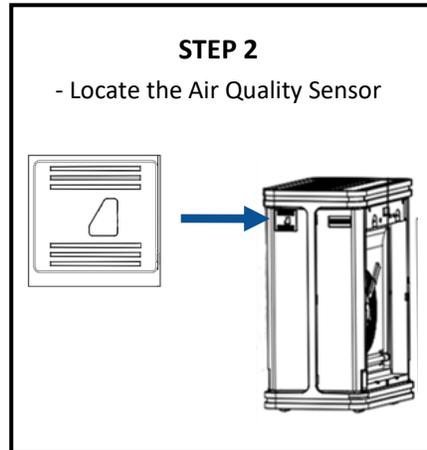
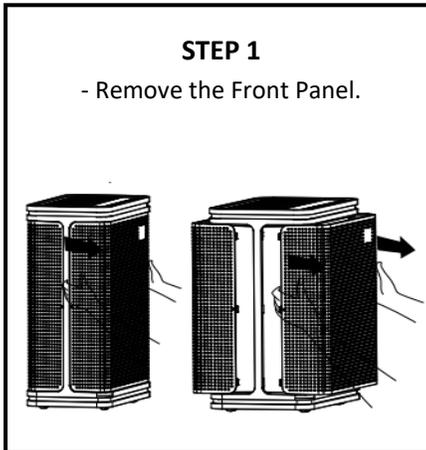
Every  
12 - 15 months

Repeat this maintenance after every 10,000 hours of use (approx. every 12-15 months).

**\*Notice to user:** After 10,000 hours of use, the UV-C bulb will still illuminate and look like it is working. However the efficacy of the bulbs is greatly reduced after 10,000 hours of use.

## 4. Cleaning the Air Quality Sensor

The Maverick 1600 comes equipped with an Air Quality Sensor. This sensor is located on the side of the machine behind the front panel. This sensor should be cleaned once every 2-3 months or more frequent if the Air Quality readings on the display panel start to malfunction. To clean the sensor, follow the steps listed below.



Every  
2 - 3 months

Repeat this maintenance after every 2 - 3 months.

# TROUBLE SHOOTING

MAVERICK 1600: Air Purifier

The following is a list of possible issues with the machine, their possible cause and how to remedy the issue. If an issue cannot be repaired/fixed by using the following information, please contact the seller or our customer care department; whose information can be found on page 16 of this manual.

Issue	Possible Reason	Solution
Machine does not turn on	Machine is not plugged in or does not have power to it.	Check the electrical connection and that there is power to the machine.
	The front panels may not be properly installed.	The machine will not operate when either of the front panels are dislodged or removed. Check that they are installed correctly.
	The machines plug or electrical wire is damaged.	Contact Customer Care or Advanced Air Dealer
The fan does not work	The Machine is not turned on.	Plug the machine in to a wall outlet and press the Power button.
	The machine is not level.	Place the machine on level ground.
	Loose or foreign object is in the machine.	Contact Customer Care or Advanced Air Dealer.
	The motor or fan is loose.	Contact Customer Care or Advanced Air Dealer.
	The filters are still in their plastic packaging.	Ensure the plastic wrapping is removed from all filters.
Machines performance is diminished	Pre-Filter is excessively dirty.	Check and vacuum off the Pre-Filter.
	Air inlet or outlet is blocked.	Check that all air inlets and outlets are free from any obstructions.
	The filters are still in their plastic packaging.	Ensure the plastic wrapping is removed from all filters.
	Filters are not properly installed.	Ensure all filters are properly installed an in proper order as shown on page 3 of this manual.
	Filters need replacing.	Replace filters
	Machine filters are missing or not installed.	Ensure all filters are properly installed an in proper order as shown on page 3 of this manual.
	The machine is being used in a larger room/area then intended.	The machine is designed to work in areas up to 1600ft <sup>2</sup> .

In the event that an issue cannot be resolved using the information contained on this page, or should another issue arise that is not mentioned on this page; please contact the Authorized Advanced Air dealer you purchased the product from or our Customer Care Department at:

**customercare@airmadebetter.com**

# TECHNICAL DATA

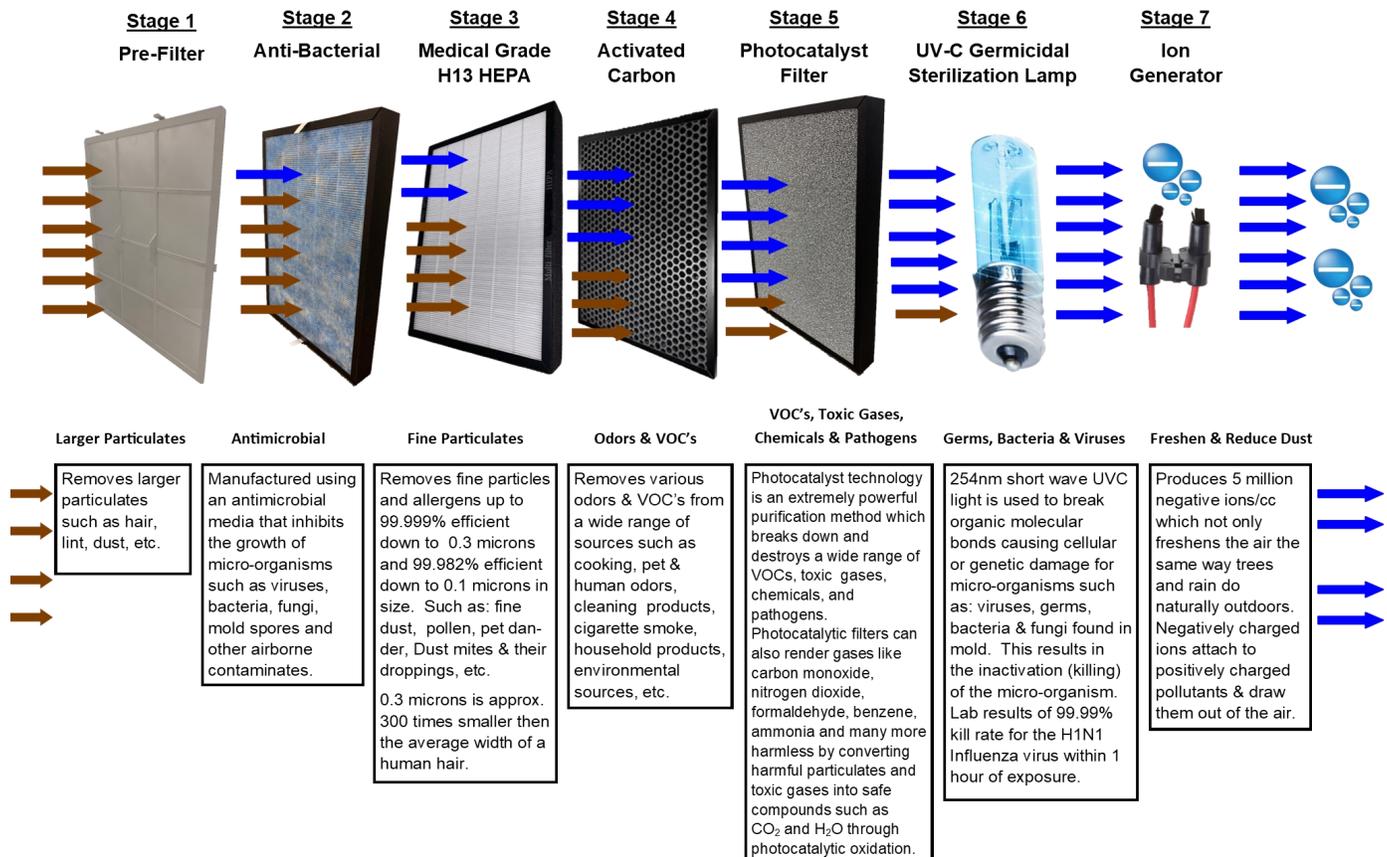
MAVERICK 1600: Air Purifier



Specifications		Filtration	
Warranty	5 Years	Total Filtration	7 - Stages
Applicable Area	2 Air Change per Hour at 1600ft <sup>2</sup>	1. Pre Filter	Permanent: Vacuum or Wash
Dimensions (in)	H: 22", W: 18", D: 10.5"	2. Anti-Microbial	Replaceable: 12 - 15mo
Weight	18 Lbs. / 8.2kg	3. H13 HEPA Filter	Replaceable: 12 - 15mo
Fan Output	L1: 125cfm ; L2: 225cfm L3: 325cfm ; L4: 450cfm	4. Activated Carbon	Replaceable: 12 - 15mo
Noise Level	20 - 64dB	5. Photocatalyst Filter	Replaceable: 12 - 15mo
Input	120V, 60Hz	6. UV-C Germicidal Lamp	Replaceable: 10,000 -12,000 hours
Rated Power	65W	7. Negative Ions	Permanent

\*The 4 replaceable filters are sold together

## 7 Stage Filtration



## 5 year Limited Warranty

Advanced Air gives you the following limited warranty for this product only if it was originally purchased from an authorized Advanced Air distributor or dealer.

Advanced Air warrants that this product is free, under normal use and maintenance, from any defects in material and workmanship. If any such defects should be found in this product within the applicable warranty period; Advanced Air shall, at its option, repair or replace the product as specified herein.

Advanced Air will repair or replace, free of charge, any of the parts listed herein (Body, Motor, Control Panel, Main Power Board, VOC Sensor, Dust Sensor, Capacitors, Fan, Ion Generator and Remote) that is found to be defective in material or workmanship within (5) five years of the original date of purchase. This limited warranty does not cover the replacement of expendable or consumable parts such as filters, remote batteries, UV-C lamps/bulbs and other parts subject to normal wear unless they are defective in material or workmanship.

### **This warranty shall not apply to:**

- (A) Any defects caused or repairs required as a result of abusive operation, negligence, accident, failure to change filters when required, improper installation of filters or inappropriate use as outlined in the operation manual.
- (B) Any product tampered with, modified, adjusted or repaired by any party other than an Authorized Advanced Air Service Center, or authorized Advanced Air Dealer.
- (C) Damages caused or repairs required as a result of the use of parts or items not manufactured, supplied or sold by Advanced Air. This includes replacement filters and UV-C lamps/bulbs
- (D) Any damage caused by external or environmental conditions, including but not limited to the use of voltage and electrical inputs other than indicated on the product.
- (E) Damage caused during transportation or shipping of the unit to or from an Authorized Advanced Air Service Center or Dealer.

In the event that the Advanced Air product or its parts must be shipped to or from the Advanced Air Dealer or authorized Advanced Air Service Center for service, repair, warranty repair or any other reason; the customer / purchaser will solely be responsible for all shipping arrangements, liabilities and costs.

# WARRANTY REGISTRATION

MAVERICK 1600: Air Purifier

To register your warranty please visit our website, select the “Warranty Registration” tab found on the top menu, complete the Warranty Registration Form in full and submit. You may also find the Warranty Registration page at the following URL:

[www.AirMadeBetter.com/warranty-registration](http://www.AirMadeBetter.com/warranty-registration)

## CONTACT INFORMATION



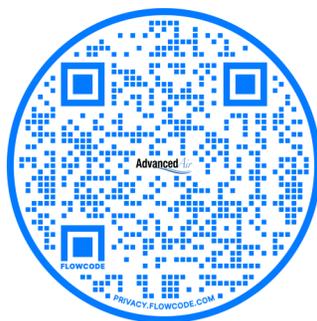
Corporate Office: Phoenix, AZ USA

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