



# USER MANUAL



## **Air Purifier**

With Pre-filter, HEPA, Activated Carbon, UVC

CF-8410

# READ AND SAVE THESE INSTRUCTIONS

## SAFETY INSTRUCTIONS



**Failure to comply with the warnings listed below may result in electric shock or serious injury.**

This product should only be used in accordance with the specifications outlined in this manual. Usage other than what has been specified here may result in serious injury. When using electrical appliances, the following basic precautions should always be taken to reduce the risk of fire, electric shock and injury to persons.

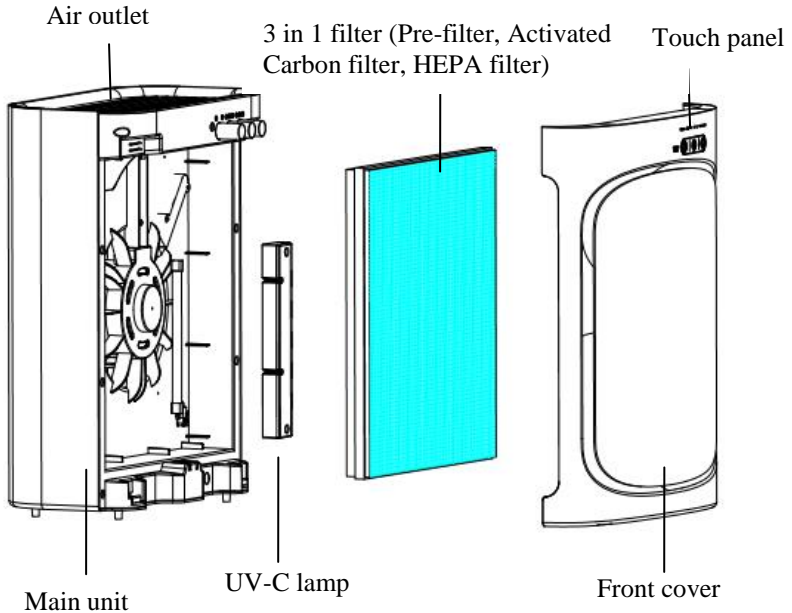
- Read all instructions before using appliance.
- **IMPORTANT** - This appliance has a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to defeat this safety feature.
- To avoid fire or shock hazard, plug the appliance directly into a correct AC electrical outlet.
- Keep the cord out of heavy traffic areas. To avoid fire hazard, NEVER put the cord under rugs, or near radiators, stoves or heaters.
- To protect against electrical hazards, DO NOT immerse in water or other liquids, and do not use near water.
- As children are not able to recognize the hazards associated with the usage of electrical appliances, always supervise children when they are near the unit.
- Always unplug the air purifier before moving it, opening the grill, changing filters, or cleaning, or whenever the air purifier is not in use. Be sure to unplug it by pulling on the plug and not the cord.
- NEVER drop or insert any object into any openings.
- DO NOT run cord under carpeting.
- DO NOT cover cord with throw rugs, runners, or similar coverings.
- DO NOT route cord under furniture or appliances. Arrange cord away from traffic areas where it will not present a tripping hazard.

- DO NOT operate any appliance with a damaged cord or plug, if the motor fails to rotate, after the appliance malfunctions, or if it has been dropped or damaged in any manner. Get support from Customer Service for maintenance and repairs.
- Use appliance only for intended household use as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock or injury to persons.
- DO NOT use outdoors.
- DO NOT place anything on top of the unit.
- NEVER block the air openings, grills or outlets, or place on a soft surface such as a bed or sofa, as this could cause the unit to tip over, blocking the air intake or outlet opening.
- DO NOT attempt to repair or adjust any electrical or mechanical functions on this unit. Doing so will void your warranty. The inside of the unit contains no user serviceable parts. All servicing should be performed by qualified personnel only.
- **WARNING:** To reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device.

## **TECHNICAL SPECIFICATIONS**

Rated Voltage: AC120 V, 60 Hz  
 Rated Power: 55 W  
 Noise Level: 32 dB (L), 40 dB (M), 55 dB (H)  
 UV Light: Wavelength: 254 nanometers  
                   Lamp life: Approx. 20,000 hours  
 Dimensions: L x W x H: 12.7 x 7.3 x 16.1 in (323 x 185 x 410 mm)  
 Weight: 9.7 lb (4.4 kg)  
 CADR:  $\geq 120$  cfm (0.3  $\mu$  m AHAM standard)  
 Applicable Area: Medium size

# PRODUCT COMPONENTS



## AIR CLEANING SYSTEM

Improve your indoor air quality with the new Air Cleaning System. Multiple levels of cleaning include a combination HEPA filter that captures allergens, and an Activated Carbon filter to remove odors. UV-C light technology enhances the killing of germs.

**PRE-FILTER:** Captures initial dust and allergen particles.

**ACTIVATED CARBON FILTER:**  
Absorb formaldehyde, benzene and other noxious gases.

**HEPA FILTER:** Captures dust, smoke, pollen and other allergens.

**UV-C LIGHT:** Destroys micro-organisms such as germs, viruses, bacteria and fungi (such as mold toxins).

# OPERATING INSTRUCTIONS

## BEFORE OPERATING THE AIR PURIFIER:

1. Carefully remove your air purifier from the box and plastic bag.
2. Place the air purifier on a firm, level and flat surface.
3. For proper air flow, locate the unit at least 1 foot from any wall or furniture.
4. Make sure none of the grills are blocked.
5. Before using for the first time, remove the filters, then remove and discard the bags. Replace the filters.
6. Plug the power cord into a right voltage AC outlet.

**IMPORTANT:** When moving the air purifier, always lift unit by the carrying handle located at the back.

**POWER    UV-C    I    II    III    2H    4H    8H**

**REPLACE  
FILTER**



## OPERATING THE AIR PURIFIER



### 1. "POWER/UV-C" BUTTON:

Press this button to turn on or switch off the unit and UV light.



### 2. "SPEED" BUTTON:

The fan speed of the unit can be adjusted while the unit is in operation (L/I M/II H/III). Each time that you press this button, the speed is adjusted from Low (I) to Medium (II) to High (III).



### 3. “TIMER” BUTTON:

- 1) By pressing this button, the purifier can be timed to operate for intervals of 2 hours, 4 hours and 8 hours, stopping automatically when the selected operating time has elapsed.
- 2) Press this button to select the required operating time. An indicator light automatically indicates the selected operating time.
- 3) To select the continuous operating mode, press the button repeatedly until there are no more indicator lights lit up.

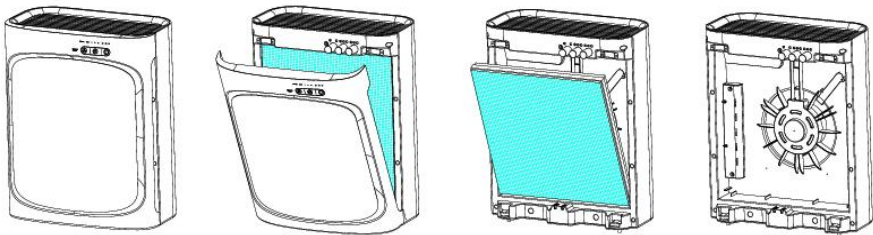
**Important note:** When the unit is not in use, switch it off and unplug it.

## INSTALLING & REMOVING FILTERS

### FILTER REPLACE INDICATOR

When the POWER light flashes continuously, the filter needs to be replaced. Replace the filter according to the directions then hold the POWER/UV-C button for 5 seconds to restart the system. The light will stop flickering.

\*Combination Filter will last approximately 6 months.



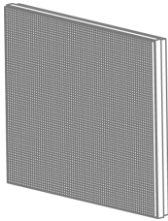
1. Open the front cover from the top.
2. Remove the combination filter by pulling the two strips.
3. Insert a new Combination Filter into the unit. Use the strips on the filter to determine the correct installation direction.
4. Reattach the extra Pre-filter to the Combination Filter.
5. Reattach the front cover of the unit and securely latch it into place.
6. Press and hold the POWER/UV-C Button for 5 seconds to reset the Filter Change Indicator.

# CLEANING & MAINTAINING THE COMBINATION FILTER

The air purifier and the outer Pre-/Activated Carbon Filter attached to the HEPA Filter should be cleaned at least once every month. More frequent cleaning may be required depending on environmental conditions.

## FILTERS

Clean with the brush attachment of your vacuum cleaner. This will remove lint and dirt.



**Combination filter (Pre-filter + Carbon + HEPA)**

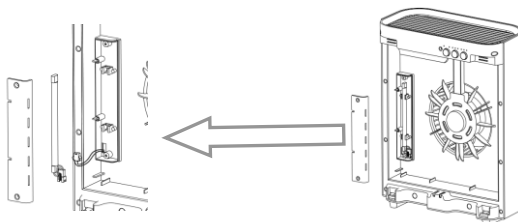
## NOTE:

- Only the **Extra Pre-filter** is washable. Make sure the pre-filter is dry before attaching the pre-filter to the combination filter.
- The Combination Filter is one filter system. The multiple layers include the Pre-filter, activated Carbon Filter and the HEPA Filter.

## UV LAMP REPLACEMENT

1. Open the UV lamp cover by using a screwdriver.
2. Carefully remove the UV lamp from the holder and unplug the connector.
3. Connect the new UV lamp to the connector and carefully fit the lamp back into the holder.

**Note:** Do not look at the UV lamp directly while it is on.



## MAINTENANCE

- Use a clean, dry, soft cloth to wipe the external surface of the unit.
- NOTE: Do NOT stick any foreign objects or your fingers inside the unit.
- CAUTION: Do NOT use gasoline, benzene, thinner, or harsh cleaners when cleaning the unit, as these will damage the product.
- NEVER use alcohol or other solvents.

## TROUBLESHOOTING GUIDE

Before carrying out any of the following service checks, unplug the unit from the power outlet.

Insufficient air flow	Check that the filters are clean Check for any obstructions in the air inlet and outlet
Unit will not start	Check the power supply and electric fuses. Check that the Front Cover is latched firmly in place. Check that the Filter is firmly in place.
Excessive noise	Check for any foreign objects touching the fan. The filter may be clogged and need replacing. The foam sealing gaskets may be installed incorrectly. Unit placed on an uneven surface.



# FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

**WARNING:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

# WARRANTY

Oregon Scientific comes with an industry-leading 1 Year Warranty that begins on the date of purchase. The warranty applies to the whole unit including the components. It does not apply to damage resulting from failure to follow the instructions, accidents, abuse, alterations, or disassembly by unauthorized individuals.

# CUSTOMER SUPPORT

Are you a happy customer? If you have product questions or concerns, don't hesitate to contact us directly at [info@oregonscientific.com](mailto:info@oregonscientific.com).

Oregon Scientific has an award-winning warranty, exchange and customer service teams that guarantees hassle-free solutions to any issue you might have within 24 hours.