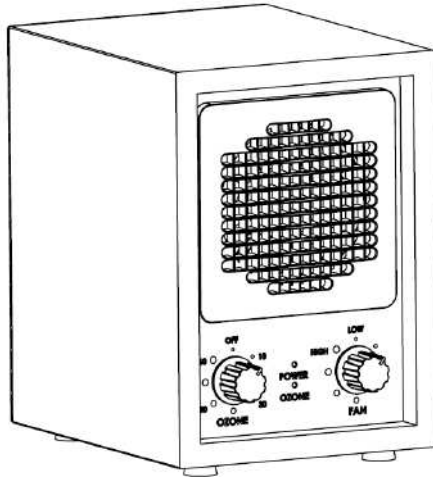


# Living Air Classic HEPA By EcoQuest Six Stages AIR PURIFIER



## INSTRUCTION MANUAL

**CAUTION:** Read manual carefully for proper installation and operation.

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## 1. Features:

- Negative Ion Generation Technology
- Adjustable Ozone Generation
- Activated carbon Deodorization
- UVC bulb & Photo-catalytic filter to kill virus and bacteria
- Washable HEPA filter to eliminate small particles, dust
- Adjustable Fan Speed Control
- Washable Permanent Pre-filter.

### Ion Output:

- 20 KV negative ion generator.

### Ozone Output:

- 0-500/mg per hour (Adjusted by Ozone knob).

### Warranty:

- 3-year warranty

## Specifications:

Model:	Living Air Classic HEPA
Rated Voltage:	110-120V/60Hz
Power Consumption:	40W
Fan Speed (non-grade):	1500-3000R/M
Ion Output:	$\geq 5 \times 10^6 \text{cm}^3$ (or $\geq 2.5 \times 10^6 \text{cm}^3$ )
Air Volume:	Max 300 CFM(3 m <sup>3</sup> /min)
Active Oxygen (Off/On)	$\leq 0.05 \text{ppm}$ / Max=500mg/h
UV Spectrum:	$\geq 20 \text{iW/cm}^2$ (at 10cm-distance)
Sound Level (DB):	Low35 Med45 High50
Particulate	0.3 micron can reach 80%
Purifying Rate:	1 micron can reach 99.97%
Product Size:	W8.27" x D10.36" x H11.42" W210mm x D263mm x H290mm
Gross Weight:	6.5kgs/14.5 Pounds
Applicable Area:	3200 ft <sup>2</sup>



To reduce the risk of electric shock, this equipment has a grounding type plug that has a third (grounding) pin. This plug will only fit into a grounding type power outlet. If the plug does not fit into the outlet, contact qualified personnel to install the proper outlet. Do not alter the plug in any way.



**WARNING!** - Do not operate without proper installation. Doing so may void the warranty.



**CAUTION!** – Unplug when maintained.



If the fuse is blown and need to be changed:

110-volt models: fusing current no more than 1.0 Amp.

## 2. INTRODUCTION

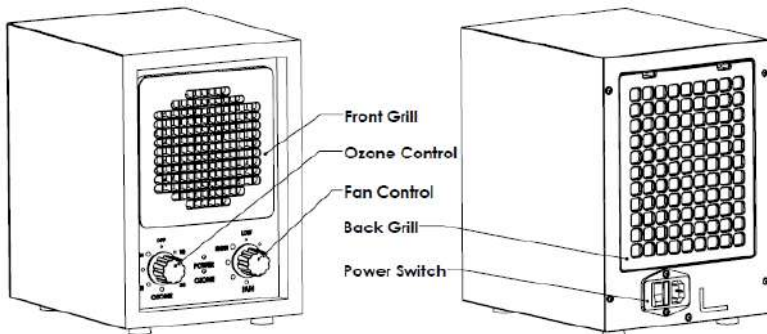
This air purifier reproduces the natural environment indoors. It is not designed to create an artificial fresh environment, but rather make the indoor air purified as natural clean air through circulated purification, disinfection and sterilization to increase anion and ozone.

## 3. FEATURES

- Compact
- Portable
- No Duct work Required
- No Chemicals
- Low Maintenance
- Low Electrical Usage
- Easy User Control
- No Residual Contamination.

## 4. APPLICATIONS

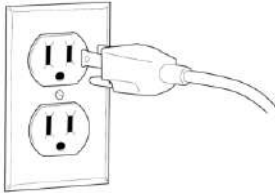
- Home, Office, Restaurant, hotel
- Smoking Areas
- Production Areas
- Basements
- Casinos & Large Meeting Halls
- Veterinary Hospitals
- Barns, Kennels & Stables
- Photo Labs & Salons
- Day Care Centers
- Chemical Odors
- Bowling Alleys & Parlors



## 5. INSTALLATION

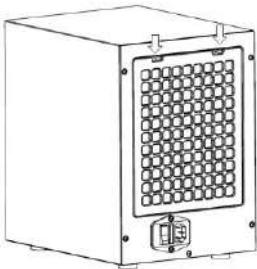
- 1). Remove unit from shipping carton.
- 2). Remove all protective materials.
- 3). Check for shipping damage and loose or broken parts.
- 4). Read Owner's Manual thoroughly prior to installation.
- 5). Fully insert cord into the power cord receptacle on the back of the unit.
- 6). Determine placement location for the unit (page 6). Plug the unit into a 110 volt outlet. Make sure the power switch in the back is on, and adjust controls according to the application.

## 6. BACK COVER, HEPA FILTER AND CARBON FILTER REMOVAL

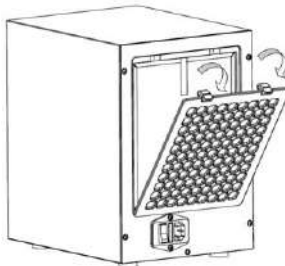


**Step 1:** Unplug the air purifier to prevent electric shock when you want to wash or maintain the unit.

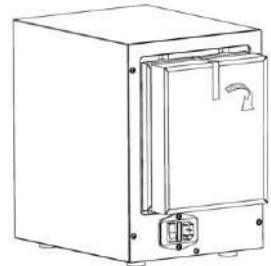
Step1



Step2



Step3



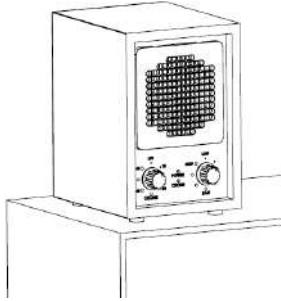
Step4

**Step 2:** Push two latches down on back cover.

**Step 3:** Remove HEPA filter by pulling the white ribbon on top.

**Step 4:** Draw out each filter with white ribbons.

## 7. PLACING THE UNIT



In order to maximize the purification function, the unit should be placed as high as possible, or tilt up the front of the unit to make the air blow upward to better oxidize and purify the floating bacteria and pollutants. A ceiling fan can also help the unit in faster purification.

### Suggested locations, listed in the order of preference:

- Nearest to the source of the worst pollution.
- Near cold-air return for best circulation.
- In the area, most frequently used to achieve maximum benefit.

### Notes:

- For maximum control, the unit should be placed where easy access to the controls is possible.
- The rear of the unit should always have at least one inch of open area to allow unrestricted airflow.
- Be sure power cord is not accessible to small children to prevent injury.

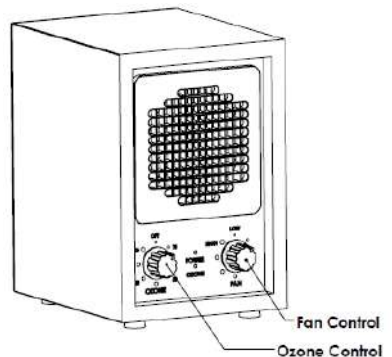
**Caution: This unit should never be placed where it can blow directly into the face of any person or pet.**

## 8. SETTINGS AND ADJUSTMENTS

### 8.1 FAN & UV CONTROL

The fan control can turn on or turn off the fan and adjust wind speed. When the fan is rotating at full speed, there may be a relatively loud noise, please place the unit in a certain distance according to your personal preference.

**UV light & Ionization** is controlled by Fan knob as well.



## 8.2 OZONE CONTROL.

The ozone knob control can turn on, turn off, and adjust ozone level.

- Keeping in mind the previous statement, adjust the purifier so that the odor of ozone fades into the environment after 15-30 seconds.
- To reduce mold, mildew, and bacteria, turn the unit on high settings for 3-4 hours and leave the room.
- The POWER light turns GREEN when the “Fan” turned on, the OZONE light turns RED when the “Ozone” turned on.
- Do not look directly at UV light as eye damage may occur.

**Always be sure a room or area is UNOCCUPIED before performing sanitation with high levels of Ozone.**

Open doors and windows when you come back to the room if Ozone operated for several hours.

## 9. MAINTENANCE

Periodic maintenance is required to insure that the air purifier operates properly. A severely polluted environment can foul air purifier plate in as little as four weeks or as long as a year. Shown here are basic maintenance procedures that should be carried out to keep your unit running at top performance.

### **Pre-filter / HEPA filter cleaning (see page 5 for removal instructions):**

You have two options to clean the pre-filter, and HEPA filter:

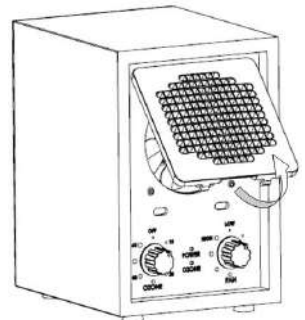
- When visibly dirty, simply remove the pre-filter or HEPA filter and remove the heavy particulate from the screen with a hand-held vacuum. This method will extend the life of the screen / filter.
- When visibly dirty, remove the pre-filter and HEPA filter from the unit and wash it in cool water, brush it gently with a toothbrush to remove particulate. Dry completely prior to re-installing.

**Ozone Plate:** Remove the back cover (page 5). Carefully remove each filter. Wipe the ozone plate with dry soft cloth.

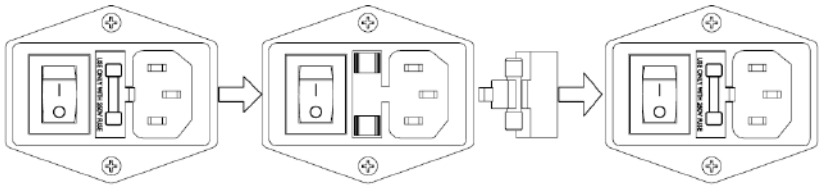
## 10. Fan Blade and Front Grill

(take off front/reinstall grill method: )

As picture shows, hold bottom of front grill and pull out. Wipe off fan blade and front grill (if dirty) with damp washcloth. The fan requires no maintenance. If the fan squeaks, a drop of lightweight oil may be needed on the fan shaft.



## 11. REPLACING THE FUSE



A fuse holder is located on the back of the unit next to the power cord.

### To replace or check the fuse:

Remove the fuse holder by pressing on the clip and pulling straight out.

**If the fuse is blown:** replace with the backup fuse. Insert the new fuse into the fuse holder. Press the assembly straight in until it latches.

**If the fuse holder cap is not installed correctly, the unit will not operate.**

110-volt models: fusing current no more than 1.0 Amp.

## 12. TROUBLE SHOOTING GUIDE

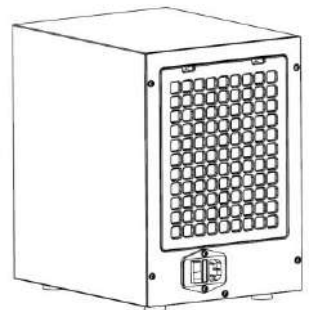
### Indicators of Operation

(Operation of ozone and power indicator lamps).

Turn the unit on and check that the small green lamp is illuminated.

Turn the ozone on and check that the small red/orange lamp is illuminated.

The lamps are located on the front panel.





## Troubleshooting - What to look for first.

1. I have plugged in the unit, turned the power switch to "On" and nothing happens. What is wrong?

- Make sure the electrical outlet is capable of providing power to the unit.
- Check the back cover located at the back of the unit to ensure that the safety switch activator clip under the right clip of the back cover is suppressed to get the power on.
- Check to see if the fuse is installed and that it is working.
- Ensure that the fuse cap is completely seated and secured in its receptacle.
- Be sure the cord is fully plugged into unit.

2. The fan is operating but the unit will not produce any ozone. What is wrong?

- Check the air purifier plate(s) for serviceability. If they are cracked or broken, the plate(s) will require replacement. Ensure maintenance procedures required for the air purifier plate have been performed. You should order new plates from your dealer.
- Do not attempt to disassemble the unit, due to the Limited Warranty of the product.

3. The unit has a burning smell, and/or appears to be arcing or sparking.

- Remove and clean the ozone plate and reinstall.

If problems remains, replace ozone plate.

- Ozone produces a smell or odor that smells like bleach or electric smell.

This is normal during Ozone use and this is why Ozone is so effective in removing odors.

4. What are the most typical application problems?

- **Symptom:** Equipment appears to be unsuccessful.

Problem: Lack of air movement, improper placement of the unit.

- **Symptom:** Strong odors remain in the environment after placement.

Problem: Lack of ozone, improper placement of the unit.

- **Symptom:** A strong odor of ozone is in the environment.

Problem: Too much ozone accumulation in the environment, as a result of improper purifier control setting, and / or lack of air movement.

- **Symptom:** Visual haze of smoke and / or particulate remains in the environment.

Problem: Lack of ionization and / or air movement.

### 5. Unit does not operate

- Is the unit plugged in?
- Is the power cord fully inserted into the back of the unit?
- Are you sure the outlet is functioning normally?
- Is the unit turned on?
- Is the back grill installed properly to depress the safety switch downward?

### 6. Air flow is restricted or reduced

- Is the unit properly placed away from objects that may obstruct airflow?
- Are the filters and fan grill clean?

## 13. **Warranty Information:**

If your unit fails to operate properly after performing trouble-shooting, contact [www.ecoquest.com](http://www.ecoquest.com)

The air purifier comes with a 3-year Factory Warranty that covers the entire unit (except for filters and ozone plate, which are just replacement parts).

For warranty assistance contact [www.ecoquest.com](http://www.ecoquest.com) for authorized warranty service.

For warranty service, the user is required to pay all shipping costs and the authorized Warranty center shall be responsible for all parts and labor.