

# **Fresh Air Double Plus**

## **Double Ozone Plus HEPA**

**Technologically Advanced  
Indoor Air Purification System**



# **USER GUIDE**

**Breathe Clean Air**

**Because You Care**

Please read all of the information provided in this user's guide before operating your new air purifier

## WARNING

**This air unit is not a medical device. Do not stop or alter any medical therapy programs or medications without the advice of your physician. Excessive ozone concentrations may cause mucous membrane or respiratory irritation**



This “exclamation point” calls attention to a feature for which you should read the enclosed literature carefully to prevent operating and maintenance problems.



This “bolt of lightning” indicates that insulated material within your unit may cause an electrical shock. For the safety of everyone, do not remove product covering.

**Caution:** This unit is not intended for use by people (including children) with reduced physical, sensory or mental capacity, unless they are supervised or have been given clear instructions, which they are competent to understand and follow, concerning the use of the unit by people directly responsible for their safety. Children should be supervised to ensure they do not play with the unit.

**Leading Source of Unique Indoor Air Purification Technology!**

Congratulations on your purchase. You have obtained a state-of-the-art air purification system with wood cabinetry and a high quality laminated surface. Only the finest materials surround this finest air purification technology. We hope you will enjoy your purchase for years to come.

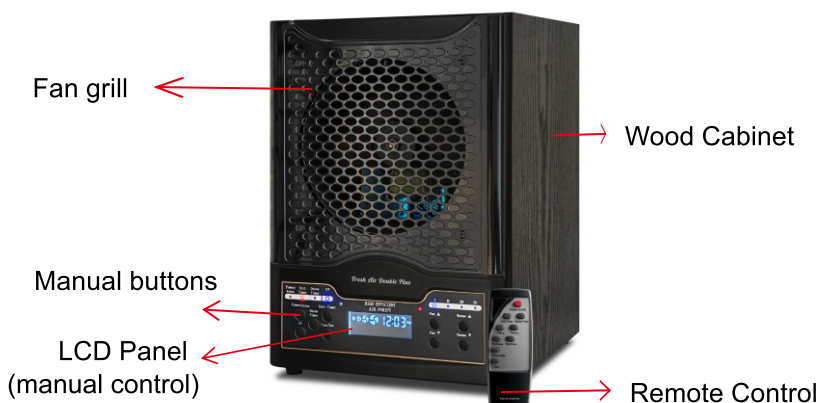
**Read ALL instructions carefully before using this product!**

**Attention: This purifier comes with 2 ozone plates preinstalled.**

**Tip: To reduce ozone levels by half you may remove one of the ozone plates.**

Unit Power	54 W
Voltage	120V/60HZ
N.W/G.W	6.4 KG/ 7.5 KG
Product size	249*225*326 MM
Package size	328*285*400 MM
Ozone output	22mg/H - 500mg/H
Ions	3*10 <sup>6</sup> pcs/cm <sup>3</sup>

## Understanding the Air Purifier (Front View)



### PART      FUNCTION

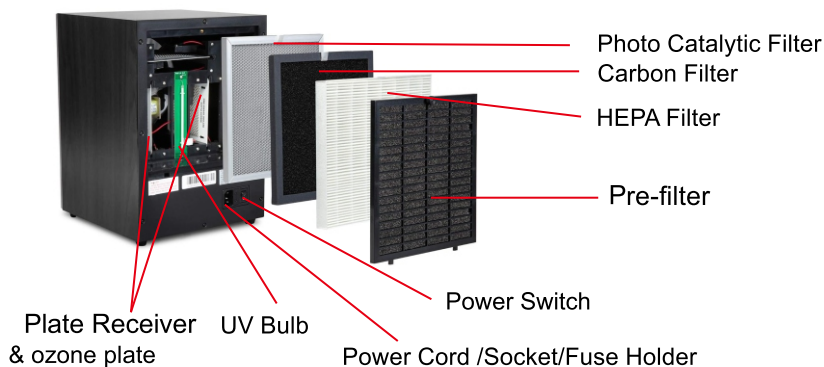
LCD display panel	Display working status & settings; Blue backlight optional.
Remote Control	To control the settings of air purifier remotely
Manual Buttons	Control the air purifier settings by hand
Fan Grill	Removable fan grill. Wash with warm water to clean, Dry completely before reinstalling. <b>(Unplug unit before removing)</b>

Control for the negative ion generator is separate from the O3 control. Negative ions will be created around the clock to keep down dust and other particulate.

O3 also known as activated oxygen is normally kept at modest levels in occupied spaces. To remove heavy odors, the O3 may be adjusted to a higher level for a period of time. Some use a Timer to completely deodorize the home or office while away. Unused O3 reverts back to O2 (oxygen) in about an hour.

# Understanding the Air Purifier

(Back View)



## PART

## DESCRIPTION

Plate receiver slot	Allows insertion and removal of ceramic O <sub>3</sub> plates for cleaning
Power Cord	120 volt grounded cord (unless otherwise specified). DO NOT bypass ground wire cord
TiO <sub>2</sub> , Photo-catalytic Filter	Photo-catalytic filter can be cleaned with compressed compressed air. DO NOT WASH!
Ceramic Plate	Removable ceramic O <sub>3</sub> plates. Wash with ammonia & water using a stiff brush or toothbrush. Rinse thoroughly and dry completely before reinserting.
HEPA filter & Prefilter	These can be cleaned with compressed air every 30 days, wash in 90 seconds. Dry fully before reinstalling.
UV light	365µm wavelength, user-friendly to replace.

**NOTE:** As you stand in front of the unit, the ionizer will create a slight charge. If you then touch a metal object, there may be a static electric discharge similar to touching a doorknob in winter.

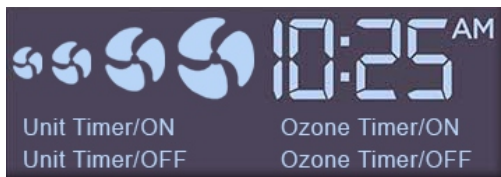
# OPERATION/SETTINGS AND CONTROLS



1. Turn ON the power switch (back of the unit), then turn ON the unit (front panel).
2. Press “Fan  $\Delta$ ” or “Fan  $\nabla$ ” to adjust airflow speed. There are four levels from which to choose. These buttons are also used to set/adjust the time (Hour).
3. Press “Ozone  $\Delta$ ” or “Ozone  $\nabla$ ” to adjust the level of activated oxygen (O3). There are four stages. Use the following chart to determine the proper setting for the area to be purified.

Purifying Stage	Indicator	Active Area (Square feet)
State 1	Ozone I	0-600
State 2	Ozone II	600-1200
State 3	Ozone III	1200-1800
State 4	Ozone IV	1800-3500

4. Press the “UV” button to activate this function and always keep this turned ON. UV controls the UV lamp that works in conjunction with TiO<sub>2</sub> photo-catalytic filter. You will know that this feature is activated from the blue UV indicator light on the front of the unit above the UV button.
5. “Anion” or Ionization controls the production and dispersal of negative ions. You will know that this feature is activated from the red Power/Anion indicator light on the front of the unit above the Power/Anion button. Anion activates by default automatically when the unit is turned ON and it stays ON while the unit operates.
6. “Time/Set” is used to set/adjust the unit’s displaying time and OPTIONAL Ozone timer and Unit timer, both of which are described in detail on the next page with instructions to set. Whether you use the optional Ozone timer via the Unit timer, you should set the proper time on your unit regardless.



## SETTING THE TIME AND USING OPTIONAL TIMER

To set the clock to the current time, press the "Time/Set" button once. The hour and minutes will flash. White flashing, press "Fan  $\Delta$ " or "Fan  $\nabla$ " to set the hour and press "Ozone  $\Delta$ " or "Ozone  $\nabla$ " to set the minutes. After you input the correct time, press the "Time/Set" button one final time to set it and conclude the process.

NOTE: The Air Purifier employs a US standard 12 hour clock.

Fan  $\Delta$  or Fan  $\nabla$  Adjust Hour      Ozone  $\Delta$  or Ozone  $\nabla$  Adjust Minutes

Your Air Purifier features two digital built-in Timers, which work together as one to control the sanitizing function (Ozone) on a Timer if you wish, as directed below ...

UNIT TIMER: USE THIS FEATURE TO CONTROL THE OZONE (O3) OUTPUT TO YOUR LIKING AND SENSITIVITY.

If for any reason you can not run Ozone 24/7 or you simply desire controlled intermittent O3 output, then the UNIT time should be used. The UNIT timer will simply turn OFF the ozone production after a certain period of time by shutting down the entire unit, yet preserving its settings. Properly set, the same timer will then turn the unit back ON at specified time with same settings as before. Thus, set once, the machine will turn itself ON and OFF automatically at your preferred time. This optional feature is for a small percentage of people who are sensitive to ozone scent.

To set "UNIT Timer", first turn OFF the unit by pressing the ON/OFF button:

1. Make sure the air purifier is plugged in and make sure the air purifier is set to the correct time. Push the ON/OFF button on the instrument panel to turn OFF the unit. If the fan stopped spinning, the unit is ready to be programmed.

NOTE: Leave the power switch (back of the unit) in the ON position! Use only the ON/OFF button on the front panel.

2. Use the Fan up and Fan down buttons to set the desired fan speed. The setting will be illuminated on the instrument panel's LCD screen.

3. Use the Ozone up and Ozone down buttons to set the desired output level. The output level will light up on the instrument panel. There are four levels of ozone output: I . II . III. IV

4. To turn on the UV light, press the UV button. Once pressed, a blue light on the instrument panel will light up under UV indicator, confirming the UV light has been turned on.

5. To select the time for the air purifier to turn on, press Time/Set button twice. On the LCD screen Unit Timer/ON will begin to blink, when blinking use the Fan up and Fan down button to set the hour you want the purifier to turn on. Pressing Fan up adds an hour to the time on the LCD screen, pressing Fan down subtracts an hour from the time on the LCD screen. To change the minutes of the time, use the Ozone up and Ozone down button. The Ozone up button adds a minute to the time while the Ozone down button subtracts a minute from the time. Once the desired time is selected, press Time/Set again, Unit Timer/OFF on the LCD screen will start to blink.

6. When Unit Timer/OFF is blinking, that is when you will set the time that you wish to have the air purifier shut off. Use the Fan up and Fan down button to select the hour you want the air purifier to shut off. Use the Ozone up button and Ozone down button to select the minute you want the air purifier to turn off.

To confirm the Timer has been set successfully, press the Unit Timer button and right above it to the left on the instrument panel you should now see a blinking red light under the Unit Timer, which indicates the Unit Timer function is on and the air purifier will turn ON and OFF at the preselected time with all functions at the levels you have chosen.

OZONE TIMER: DO NOT USE THE OZONE TIMER BY ITSELF! IT WILL BE ACTIVATED FOR USE TOGETHER WITH THE UNIT TIMER, FOLLOWING ABOVE INSTRUCTIONS.

## USING A TIMER

Some users who are sensitive to ozone set their units up on a timer so that the purifier does its work only when they are away from home. This allows for a higher setting and higher concentrations, which can be more effective for purging purposes. The ozone will normally dissipate in less than an hour after the purifier is turned off. Simple timers plug into an outlet and are available at hardware and variety stores. This unit also features a built-in timer.

## WHERE TO USE?

- ☐ Homes & Living Areas
- ☐ All types of offices & stores
- ☐ Water & fire damaged areas
- ☐ New paint & wallpaper areas
- ☐ Odor clean-up
- ☐ "Sick" buildings
- ☐ Hospitals & nursing homes
- ☐ Veterinary offices
- ☐ Smoking areas
- ☐ Hotel rooms
- ☐ High pollen environments
- ☐ New carpet furniture & Rooms
- ☐ Kitchens
- ☐ Attics & basements
- ☐ Laundry rooms
- ☐ Doctors' offices
- ☐ Day care centers
- ☐ Stables & aviaries
- ☐ Locker rooms
- ☐ Restaurants & bars

## SERVICE

Should you determine that your air unit requires service,  
Please contact our customer service.

## WARRANTY

3-year parts and labor limited warranty from the time of purchase. Does not cover negligence, accidents, lack of maintenance and improper use.



## CLEANING & MAINTENANCE

Wash the ceramic O3 plates once every 30 days! When the purifier no longer produces enough O3 to be effective, the plates should be replaced. Depending on the environment where the unit is placed, it may take longer or shorter for the plates to wear out. In any case, we recommend replacing the plates once every 1-3 years for optimal performance

To clean each plate, first turn the unit OFF and UNPLUG from outlet. Remove all filters preceding the plates from the back of the unit, and then each 4"X4"plate from the center. Pull the plate out firmly, but gently towards you and out of the unit. Wash the plate carefully with warm water applied to both sides of the plate to rinse it well. If you have clear ammonia, you can do a mixture of warm water and ammonia (50/50 solution is suggested) and let the plate soak in that for about 10-15 minutes. Gently scrub with a stiff brush if you notice any deposits not coming off with water along. Be careful not to drop the plate or scrub off the silicon. Clean both the metal screen and the ceramic tile. Rinse plate in hot water and DRY COMPLETELY before reinstalling. If available, you may use a hair dryer to dry the plate. Reinstall plate, making sure it is inserted all the way and seated securely in its place. Reassemble, plug the unit into a grounded electrical outlet, turn it on and enjoy.

To clean needlepoint ionizer, first turn OFF the unit and UNPLUG it from outlet. Remove the fan grill cover. The needle-point ionizer will be easy to find in front of the fan by looking for two pieces of metallic wire. Take a Q-tip or cotton swab dipped in rubbing alcohol and clean any dust that may have accumulated on the needle-points. While you have the front grill cover off the unit, you may also clean the fan blade and grill itself. To clean the fan blade, gently wipe it with a damp cloth. The grill cover may be cleaned with warm water. Make sure the fan grill cover is completely dry before reinstalling. Clean the HEPA filter and Prefilter with a can of compressed air (get it in any office or hardware store). Then wash once in 90 days. Make sure to fully dry it before reinstalling!

## TROUBLE SHOOTING

If you suspect a problem with your unit, please check the following:

- Make sure each plate is clean (see above).
- Unit is plugged-in properly and turned ON.
- Check the fuse to make sure it is installed properly and not burned out. To replace fuse, push out the fuse holder cabinet gently towards you from the power cord socket. Remove old fuse, replace with spare. Use only 1 AMP 250V (1.25 inches long) "Fast-Acting" fuse, which you can get at local Radio Shack or Home Depot.
- Wall outlet is active and properly grounded (important to avoid potential shock).
- Check plate alignment making sure each ceramic plate has been inserted fully and correctly. Then check to make sure the metal wings fully contact the plate on each side. If there is no contact, take out the plates and with your fingers gently push the metal wings inward towards each other. Then reinstall plate, assuring good contact. If the fan is not operating, or after cleaning the plates no buzzing sound is detected on the high setting of the O3, please contact the company for support.

**Caution: Turn OFF the Power Switch before opening the back panel of the unit to remove filters and ozone plate for maintenance or to replace parts.**

# COMMONLY ASKED QUESTIONS

## **Q. What does the Air Purifier do?**

A. It treats the air in your home or office by breaking down odor causing pollutants, killing viruses, bacteria, mold & mildew, and removing airborne contaminants (smoke, dust, pet dander, pollen) from your breathing space.

## **Q. How does the Air Purifier treat the air?**

A. The Air Purifier produces activated oxygen and negatively charged ions, the same effective cleansing process Nature uses outdoors to purify the air.

## **Q. How does the Air Purifier work?**

A. It is a six-stage process:

1. The Air Purifier uses a needlepoint ionizer to drop dust, smoke and other harmful particles from the air we breathe. In our homes and offices, there is a lack of negative ions and an abundance of positive ions. The buildings we spend most of our time in block out the natural occurring negative ions. The Air Purifier recreates the natural balance of positive to negative ions to significantly reduce airborne particulate.
2. The Air Purifier uses electricity to split oxygen O<sub>2</sub> molecules into single O<sub>1</sub> atoms, which attach loosely to other O<sub>2</sub> molecules to become O<sub>3</sub> (activated oxygen). This loosely attached oxygen atom is unstable and seeks to bond with chemical compounds, odor causing pollutants, viruses, mold & mildew to oxidize them.
3. UV light with TiO<sub>2</sub> Photocatalytic filter helps further to destroy microorganisms such as bacteria and viruses.
4. HEPA filter can capture microscopic particles below 0.3 microns, such as radioactive dust in atomic plants. On the back of your air purifier, HEPA filter in addition serves to protect the inner mechanism of the unit from pollution entering and corroding it.
5. TiO<sub>2</sub> Photocatalytic filter can treat the airborne pollutants, it is revitalized when shined by the UV light.
6. Prefilter can filtrate the dusts and other particles in the air.

## **Q. How does nature produce ozone and ions?**

A. Ozone is found everywhere outdoors. It is naturally created every day during sunshine, thunderstorms, lightning and other natural events. The fresh sweet smell after a thunderstorm is abundance of ozone in the air, rain, waterfalls and waves of the ocean all create negative ions.

Q. What is an ozone alert?

A. Ozone alerts in cities occur due to high pollution levels caused by hydrocarbons released from burning fossil fuels. When ultraviolet rays from the sun strike these hydrocarbons, ozone (O<sub>3</sub>) is formed as a by-product. Ozone, or activated oxygen, is Nature's sanitizer, created to combat air pollution. The more polluted the city, the higher the ozone levels will be.

Q. How does it compare to air filters?

A. Unlike air filters that rely on air passing through them for cleaning, Air Purifiers work differently. They produce:

- a) Activated oxygen (O<sub>3</sub>), which eliminates odors, mold, viruses, and bacteria.
- b) Negative ions that remove airborne particulates.
- c) A Germicidal UV bulb with a TiO<sub>2</sub> Photocatalytic filter for thorough cleansing.

Q. Is ozone safe?

A. Yes, but moderation is essential. Excessive ozone levels are unnecessary and can cause minor irritation. We recommend setting the O<sub>3</sub> level appropriately. Please read the enclosed instructions carefully before using your Air Purifier and refer to the Quick Steps Guide for additional help.

Q. Where should I place the Air Purifier in my home or office?

A. Place the Air Purifier in a central location, such as a living or dining room. While it is not specifically designed for single-room use, you can place it in a particular room that needs attention for a few days before returning it to its main location. For optimal performance, position the unit at least 4 feet above the ground.

Q. How long will the Air Purifier last?

A. The Air Purifier is constructed from high-quality stainless steel and solid wood. With proper maintenance, it will provide reliable performance for many years.

Q. Is it difficult to install?

A. Not at all. Simply install the O<sub>3</sub> plates (found in the small white carton box), plug the unit in, and set the dial for your treatment area (refer to the Quick Steps Guide and User Guide). For faster results, you can position the unit higher up, facing an air intake if your home has an HVAC system. This helps distribute ozone evenly throughout the space.

