SafeAir™ ULTRA X5

NEW AND IMPROVED DESIGN

ADVANCED AIR PURIFICATION TECHNOLOGY

UP TO 3,000 FT*
WHOLE HOUSE COVERAGE

NASA INSPIRED
FEATURES PCO TECHNOLOGY

5 TECHNOLOGIES
POWERFUL AND EFFICIENT



USER MANUAL

AND PURIFICATION GUIDE

Thank You for Choosing SafeAir™!

Thank you for choosing the SafeAir™ Ultra X5 by EcoInventions – our 5th generation whole home air and surface purification system.

As the inventor, I designed SafeAir™ to bring advanced, NASA-derived purification technology into everyday spaces, helping you maintain cleaner air and a healthier indoor environment.

Unlike traditional HEPA systems that only trap pollutants, the SafeAir™ Ultra X5 combines five powerful technologies – Photo Catalytic Oxidation (PCO), Active Oxygen, Negative Ionization, UV Light, and a washable lifetime filter – to actively reduce odors, allergens, bacteria, mold, viruses, and VOCs in both air and on surfaces.

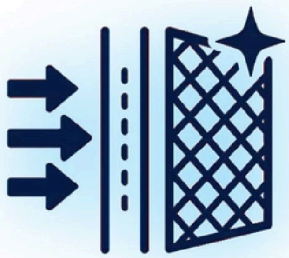
Built with care and tested for performance, every SafeAir™ system is designed to deliver lasting freshness and peace of mind for your home.

Sincerely, Julius Toth



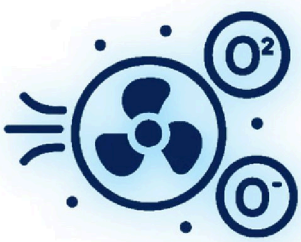
Julius Toth, SafeAir™ Inventor and EcoInventions™ CEO

ADVANCED 5 STAGE PURIFICATION



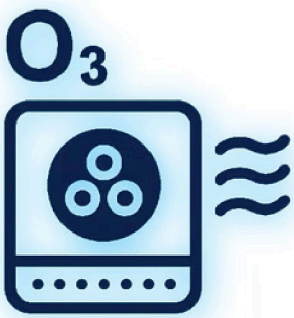
ELECTROSTATIC LIFETIME FILTER

SafeAir™ Ultra X5 features a carbon-infused pre-filter designed to help keep internal components cleaner while capturing airborne particles. This washable and reusable filter not only provides added convenience and long-term performance, but also lowers overall maintenance costs compared to traditional HEPA filters.



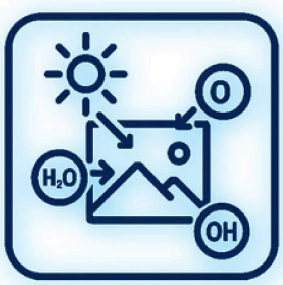
HIGH-DENSITY IONIZATION

Continuously generates millions of negative ions that circulate throughout your indoor space. These ions attach to particles in the air like dust, dander, smoke and certain bacteria,causing them to clump together and become more dense so they can be captured by your home's HVAC filter, or removed by normal cleaning and vacuuming.



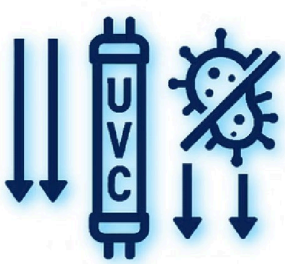
ACTIVATED OXYGEN *(OZONE FUNCTION)*

As air passes through the unit, a controlled amount of Activated Oxygen (or ozone) is produced, which helps oxidize odor-causing compounds from sources such as pets, cooking, smoke, and mildew. Unlike HEPA filtration, Active Oxygen can circulate beyond the purifier to help treat odors throughout your entire space. *This ozone feature is adjustable, allowing you to customize the output based on room size and personal preference.*



NASA INSPIRED PCO TECHNOLOGY

Inspired by the same technology used by NASA to purify their spacecraft, SafeAir Ultra X5 uses an advanced Photo Catalytic Oxiation process that works in synergy with activated oxygen to enhance the removal of biological contaminants, odors and organic pollutants.



GERMICIDAL UV-C LIGHT

SafeAir™ Ultra X5 includes an internal UV-C lamp that works with the titanium treated Photo-Catalytic Cell to boost purification performance. As air passes through the unit, the UV-C light activates the photocatalytic surface, helping to break down microscopic organic contaminants, and assists in the destruction of certain germs and bacteria at the molecular level.

SPECIFICATIONS AND SAFETY

Total Product Dimensions	12" H x 9" W x 12" L
Total Product Weight	10.2 lb.
Coverage (Adjustable)	250 - 3000 ft
Input Specifications	100-240V AC 50/60Hz 2.5A
Power Output Specifications	22 Watts (Normal) / 38 Watts (High Mode)
PCO Cell Output	<0.02 *(Ambient Room Concentration)*
Activated Oxygen Output	25-360mg Ozone Per Hour
Ionization Specifications	24-30 KV / 20-30 Khz Ion Pulsator

READ AND FOLLOW ALL SAFETY INSTRUCTIONS PRIOR TO USING YOUR PURIFIER. IMPROPER OPERATION MAY RESULT IN FIRE, ELECTRICAL SHOCK, OR INJURY.

Never operate your air purifier near heat source, open flame or flammable/combustible fluids.

Do not operate your purifier unless all parts (including PCO Cell, Purification Plate, Rear Filter Assembly and Rear Cover) are properly installed.

Directly viewing the UV-C lamp inside the unit for an extended period (longer than 20 min.) may result in eye damage.

Never adjust settings to exceed square footage of the ventilated space being treated.

Do not use AWAY MODE in occupied spaces. Short term exposure to ozone levels exceeding 0.5 ppm can cause temporary adverse reactions.

Your SafeAir™ Ultra X5 should be powered OFF and the Power Cord should be disconnected when Serving, Cleaning, Disassembling, and Reassembling.

PRODUCT DIAGRAMS

Exterior Diagram

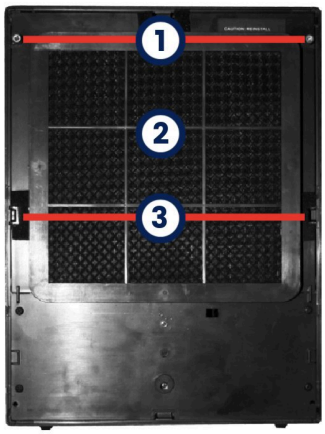
1 - Ionization Needle
2 - Front Grill
3 - Control Panel
4 - Rear Cover Screw
5 - Rear Cover Clasps
6 - Power Inlet

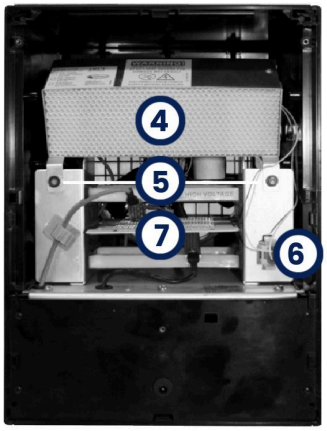




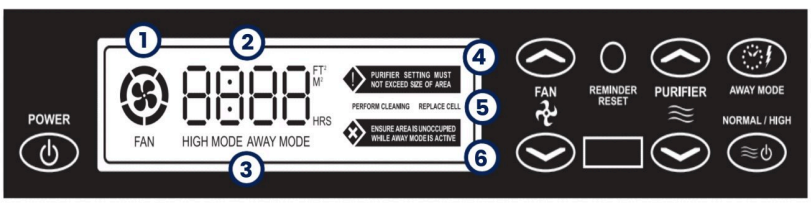
Interior Diagram

1 - Thumbscrews
2 - Filter Assembly
3 - Filter Clasps
4 - PCO Cell
5 - PCO Cell Nuts
6 - PCO Connector
7 - Purification Plate





Control Panel and LCD Screen Diagrams



1 - Fan Speed Indicator
2 - Mode/Square Footage Display
3 - Mode Indicator
4 - Purification Level Warning
5 - Maintenance Reminders
6 - Away Mode Warning

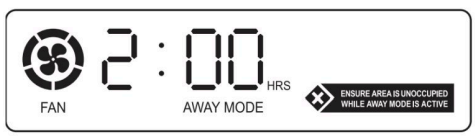
Mode Specfic Displays



PCO MODE (Normal)



HIGH MODE



AWAY MODE

GETTING STARTED

IDEAL PLACEMENT

• Choose an indoor location where air moves freely for best performance.

• Place the unit on a sturdy surface such as a dresser, bookcase, shelf or refridgerator - *ideally 12–24 inches below the ceiling* for optimal results.

• Keep as much open space as possible in front of the unit so it can efficiently process cleansing molecules into the surrounding air space.

• Keep interior doors slightly open to ensure maximum exposure to airflow.

• If there are ceiling fans in the space, set the direction to counterclockwise to help circulate purification elements.

• To maximize purification, set your thermostat to AUTO so the HVAC fan continuously circulates air. This allows the purification elements to flow through the HVAC airstream to distribute cleansing molecules throughout your space through the cold-air returns.

INITIAL SET-UP

1 - Connect the Power Cord to the Power Adapter and the Power Adapter Plug into the unit. Then, insert the power plug into a wall outlet.

2 - Press the Power Button to turn on the unit. *NOTE- The unit will default to NORMAL MODE once powered on.*

3 - Leave the unit on NORMAL MODE for at least 12 hours to begin the initial purification process.

4 - After 12 hours, set the unit to HIGH MODE and set the square footage to 250 square feet.

5 - Gradually increase the square footage setting every 8-12 hours until you reach the accurate square footage of your area. *NOTE: Using the purifier at a lower square footage is acceptable and may be desirable in anenvironment relatively free of pollutants.*

GENERAL OPERATION

The SafeAir™ Ultra X5 is designed with 3 operating modes - allowing you to tailor purification intensity for everything from everyday odor control to more demanding applications. This flexibility helps ensure effective performance based on your environment and comfort level.

POWERING ON AND OFF -

- **Press the POWER BUTTON on the control panel to turn the unit ON/OFF.**
- ***NOTE: The unit will default to NORMAL MODE once powered on.***

USING NORMAL MODE -

- **Press the NORMAL/HIGH button until "PCO" is shown on the display.**
- **Use FAN UP/DOWN buttons to control the fan speed setting.**
- ***NOTE: Square footage settings are not available in NORMAL MODE***

USING HIGH MODE -

- **Press the NORMAL/HIGH button until "HIGH" is shown on the display.**
- **Use FAN UP/DOWN buttons to control the fan speed setting.**
- **Use PURIFIFER UP/DOWN buttons to adjust the square footage setting.**
- ***NOTE: Higher square footage increases ozone concentration for a stronger purification experience and faster odor control. Lower settings provide a more subtle fresh air effect for occupied spaces.***

USING AWAY MODE FOR INTENSIVE CLEANING -

- **Press the AWAY MODE button until "AWAY" is shown on the display.**
- **Continue to press the AWAY MODE button to set timer for 2/4/6/8 Hours.**
- ***NOTE: During AWAY MODE, the unit will operate at maximum output.***

FOR THOSE WITH OZONE SENSITIVITY -

While in HIGH MODE or AWAY MODE, you may notice the scent of ozone, similar to the natural aroma in the air after a thunderstorm. If preferred, your purifier can be set to NORMAL MODE which will deactivate the ozone while still providing effective results with 4 remaining purifying technologies.

LCD NOTIFICATIONS

PERFORM CLEANING

PERFORM CLEANING will display once the 30 day operation cycle between cleanings has passed and the unit requires a complete cleaning. Follow the cleaning instructions on the next page. *The Perform Cleaning reminder will appear again after 30 day of operation.*

REPLACE PCO CELL

When "Replace Cell" appears, the PCO Cell has reached the end of its useful life and must be replaced. Contact your distributor or visit www.ecoinventions.com to order a replacement PCO Cell.

CLEANING AND MAINTENANCE

NOTE: Always turn the unit off and remove the powercord from the inlet before servicing or cleaning.

REMOVE REAR COVER -

Use a Phillips screwdriver to remove the REAR COVER SCREW located on the backside of the unit. Squeeze the tabs on both sides of the Rear Cover *(where the grooves are)* until they release and tilt the Rear Cover upwards until the top tab releases. Clean with compressed air or a damp cloth. Set the Rear Cover aside.

TO CLEAN THE ELECTROSTATIC FILTER -

Remove the brass THUMBSCREWS from the top corners of the FILTER ASSEMBLY and pull it away from the unit. Lift the tabs on the sides of the FILTER ASSEMBLY to remove the rim and seperate the layers. Discard any captured hair or dust particles. You may also use a vacuum or compressed air to remove particles from the layers.

TO CLEAN THE OZONE PLATE -

Locate the square PURIFICATION PLATE inside the unit and carefully slide the plate out. Soak and scrub gently with warm water mixed with a capful of white vinegar. *Allow the ozone plate to dry completely before re-installing.*

TO CLEAN INTERNAL HOUSING -

Using an air compressor or a vacuum, or gently by hand, clean any lingering dust or particles that may become trapped in the housing as needed.

REASSEMBLE THE UNIT -

After performing cleaning, reassemble the unit with the dry ozone plate and reconnect the electrostatic filter with the brass THUMBSCREW. Reattach the plastic rear cover panel back in place and secure the REAR COVER SCREW with a Phillips screwdriver.

RESET THE UNIT -

Once the unit is reassembled, plug the powercord back into the unit. Press the power button to turn the unit on and then complete the process by pressing and holding the MAINTENANCE RESET button to reset the unit.

TROUBLESHOOTING

Unit Fails to Power On -

1 - Verify that the Power Plug is plugged into the inlet and outlet.

3 - Verify that the Power Button has been activated on the Control Panel.

4 - If the Power Button on the Control Panel Fails, try using the Power Button on the Remote Control.

No Purification Detected in HIGH/AWAY MODE -

1 - Ensure that the Purification Plate is clean and inserted correctly.

2 - Check the electrical contact arms and ensure they are clean and that they are making proper contact with the metal weave on the Purification Plate.

3 - Turn the lights off in the room and look through the Front Grille at the Purification Plate. If it is not operating properly, it will produce a dim purple glow.

The PCO Cell is Not Lighting Up -

1 - Ensure the PCO Cell Power Connector is properly connected to the PCO Cell Power Connector Outlet.

2 - If the PCO still fails to operate, it needs to be replaced. Contact your distributor.

The Ionization Needle Creates an Electrical Arc -

This indicates that the Ionization Needle needs to be cleaned. Be sure to complete all of the cleaning procedures every 30 days of operation.

The Fan Does Not Operate Properly -

Try adjusting the fan speed using the control panel or remote control.

The Unit Makes a Rattling Noise -

Remove the back panel of the unit. Check to ensure the two filter assembly thumscrews are in their proper place. If they are properly installed, remove the thumbscrews and filter assembly and check the PCO Cell to ensure the two Brass Thumbscrews securing the PCO Cell are installed properly.

"An Ounce of Prevention is Worth a Pound for a Cure!"

Try out these recommended purifying feats from the inventor for ultimate healthy home results!





Clear the Lungs of Your Home

Place your purifier near your central air intake and set the coverage settings to 3,000 square feet. Set your thermostat to "AUTO" and allow the unit to run overnight on HIGH MODE to saturate the interior of your ventilation system and create healthier air in every room of your home!

For Best Results, Keep Your Thermostat Set to AUTO for Continous Air Circulation and Clean Air Purification Through Your Home!



Sanitize Your Bed Matress

Did you know your matress is one of the dirtiest surfaces of your home? After removing bed linens, position the unit at the foot of the mattress with the rear facing open air. Create a tent-like enclosure using pillows and a loosely draped sheet, then run the purifier on HIGH MODE for one hour to effectively neutralize dust mite debris, odors, mold and allergens.



Treat Moldy & Musty Areas

Even the cleanest homes can often have mildew and mold lurking in the basement and/garage! Position your purifier on a sturdy surface away from the floor or any spots where moisture or water may be present. For best results, set the unit on HIGH MODE and operate the for at least 12 hours to reduce musty odors, mold spores and mildew and germs!



Give Your Space a Smoke Break

To help remove smoke and smoke-related odors, place your purifier in center of the effected area and operate on HIGH MODE for 12 hours or more to treat the air. SafeAir™ Ultra X5 not only helps to reduce airborne smoke particles but also attacks odor-causing compounds that can linger in fabrics, carpets, and other household surfaces.

If you are an indoor smoker, remove the purifier from the room when you are actively smoking to help keep the unit clean between treatments.



Love Your Pets. Lose Their Odors.

Wet dog? Stinky litter box? Pet accidents? Our furry friends can often produce odors that are less than loveable, but SafeAir has got you covered! Place your purifier near the affected area and set it to HIGH MODE for up to 12 hours to help capture airborne pet dander, neutralize odor-causing particles, and freshen the air throughout the space.



Remove VOCs and Airborne Chemicals

New paint, flooring, cabinetry, and other remodeling materials can release volatile organic compounds (VOCs) into the air even weeks after installation. To help reduce these airborne chemicals and odors, place your purifier in the remodeled area and run it continuously on HIGH MODE to treat the air, help to break down VOCs and improve indoor air quality.



Refresh Your Office or Workspace

Offices and workplaces often experience a buildup of airborne germs, odors, and stale air due to high occupancy and limited ventilation. To help maintain a fresher, cleaner environment, place your purifier in a central location and allow it to operate continuously throughout the workday to treat the air and create a comfortable workplace for employees and visitors.



Sanitize Your Ride

Just like your home, your vehicles can be susceptible to odors and other indoor pollutants. Place your SafeAir™ Ultra on the floorboard or sturdy surface in your car, RV or boat interior and set it to HIGH MODE for 1 hour to remove embedded odors and germs, and restore overall freshness in your vehicle.



NEW - Purify On-the-Go with SafeAir Mini!

Just like the SafeAir™ Ultra, the new SafeAir™ Mini Purifier series offers advanced purification technology in a compact, lightweight and portable design - making it perfect for targeting odors in small spaces at home and on-the-go!

Visit www.ecoinventions.com/safeair to Learn More!

SERVICE AND SUPPORT

RETURN POLICY -

All SafeAir Ultra purifier systems are backed by a 30 day money-back guarantee *at the discretion of the retailer or vendor* where the unit was originally purchased.

WARRANTY INFORMATION -

Verified SafeAir Ultra purchases are warranted to be free from all defects in material and workmanship during normal recommeded use for a period of one (1) year from the date of purchase with valid proof of purchase.

The warranty is granted to the original purchaser, or original receiver of the unit. The warranty is subject to product defects only, and any damages or service malfunctions caused by negligence, abuse or unauthorized service are not covered.

EcoInventions will, *at its option,* repair or replace a defective SafeAir Ultra system or faulty component that is covered under this warranty. Unless the warranty is renewed or extended with documented authorization, any repaired or replaced part of the unit shall be warranted for the remaining unexpired portion of the original 1 year warranty period.

CONTACT OUR U.S. BASED SERVICE EXPERTS

For questions regarding your SafeAir Ultra, troubleshooting, or warranty claims, please contact our USA-Based Customer Service team:

EcoInventionsUSA ***(Official Distributor of SafeAir™ Products)***
154 Norton Ave Barberton, Ohio 44203
www.ecoinventions.com/contact
800-599-5191


SafeAir™
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