



Ozone Air Purifier/Ionizer

User Guide

IVAOZP001

Thank you for purchasing the Ivation Ozone Air Purifier/Ionizer. This User Guide is intended to provide you with guidelines to ensure that operation of this product is safe and does not pose risk to the user. Any use that does not conform to the guidelines described in this User Guide may void the limited warranty.

Please read all directions before using the product and retain this guide for reference. This product is intended for household use only.

This product is covered by a limited one-year warranty. Coverage is subject to limits and exclusions. See warranty for details.

Box Contents

- Ozone Air Purifier/Ionizer
- AC adapter
- Spare fuse
- User guide

What are Negative Ions?

Negative ions are oxygen atoms charged with an extra electron. They are generated by waterfalls, lightning, ocean waves, the earth's inherent radiation, and other natural phenomena. Negative ions clear the air of dust, mold spores, pollen, odors, and other pollutants by attaching to these positively charged particles in large numbers, causing them to become too heavy to stay airborne. The presence of negative ions also lifts your mood.

What is Ozone?

In nature, ozone (O₃, also known as activated oxygen) is created by a chemical reaction between oxygen and solar ultraviolet (UV) radiation (sunlight). It is often present during thunderstorms and where electrical arcing occurs and is used in indoor environments to neutralize odors. Ozone itself has a distinctive smell that most people find pleasant or "clean-smelling."

WARNING: High concentrations of ozone can irritate mucous membranes and harm the respiratory system. Set the O₃ dial at its lowest setting when the space being treated is occupied. If you smell ozone when you enter the room, turn the O₃ dial down to a lower setting.

How Does This Device Work?

The Ivation Ozone Air Purifier/Ionizer is not an air filter. It produces both O₃ and negative ions to bind to particulates and freshen the air.

The generation of negative ions and O₃ (ozone) is separately controlled.

Negative ions can be created around the clock to keep down dust and particulates.

Start with the lowest O3 setting and turn the dial up as necessary. The ideal amount of O3 will leave your room smelling clean and fresh. If the unit is set too high, you will smell too much O3. CAUTION: High levels of ozone are harmful. Adjust the setting accordingly.

To thoroughly purge a space of odors, set the O3 setting at its highest level and vacate the space. Do not leave pets in the vicinity. Run the device for about 2 hours and then shut it off. You may use a plug-in timer if desired. Do not return to the space immediately after treating the air. The ozone will normally dissipate in less than an hour after the purifier is turned off.

Precautions

- For safety, follow the instructions in this guide regarding O3 (ozone) generation.
- The ionizer will create a slight charge. If you stand near the unit and then touch a metal object, a static electric discharge may occur.
- This unit is not a medical device. Do not stop or alter any medical therapy programs or medications without the advice of your physician.
- Do not remove the back cover. Electric shock may occur. There are no user-serviceable parts inside the unit.
- To avoid electric shock, plug the unit into a grounded electrical outlet.
- Make sure the unit is placed on a flat, even surface in a well-ventilated area. Do not block the fan vent or back of the unit.
- Do not expose the unit to direct sunlight, high humidity, or temperature extremes.
- Do not place the unit close to heat sources or open flames.
- Do not use the unit outdoors.
- Unplug the unit before cleaning.
- Do not clean the unit with solvents, boiling water, or cleaning agents.
- Do not place items on top of the unit.
- Do not attempt to repair or disassemble the unit.
- Use this appliance only for its intended purpose.
- Do not let children operate the appliance unless supervised.

Operation



- Install the ceramic O3 plate in the slot located in the back of the unit.
- For optimal effectiveness, place the unit in a central location, and ideally about four feet or more above the floor. Your unit can be set on a tall piece of furniture. Allow three inches between the back of your unit and the wall to allow proper airflow. The reason for elevated placement of the unit is that O3 is heavier than air. Elevated placement allows for better circulation. This device works best if it is placed within 10 feet of a cold air return.
- Plug in the unit.
- The On/Off control switch activates needle-point ionizer and controls the fan speed. The unit will not function unless the ionizer control is on.
- Set the fan speed. The medium range is normal.
- The Ionizer is designed to run independently from the O3 production. The ionizer can be used around the clock to keep down dust and particulates.
- Start with the lowest O3 setting. Increase by 1 increment every 2 hours until you smell O3. Then turn the setting down by 1 increment. The O3 generator can be turned on and off as desired.

- NOTE: O3 should be kept at modest levels in occupied spaces. The level may be adjusted according to the severity of the odors in the space.
- Individual sensitivity to O3 varies. Adjust accordingly.
- The effect of O3 on indoor air may vary according to atmospheric and/or environmental conditions such as altitude, humidity, air movement, and severity of existing odors, house design and square footage.
Altitude: Generally, in higher altitudes the requirement for activated oxygen decreases. Therefore, higher altitudes should require lower settings.
Humidity: Generally, in higher humidity the requirement for activated oxygen increases. Therefore increased humidity may require higher settings. High humidity will require additional cleaning.
- If you desire to treat the entire home, set the fan switch on your home's heating & cooling system to the ON position rather than AUTO. Open all interior doors and adjust the O3 level to the appropriate setting. Then place the unit so the air from the purifier flows directly into an air return vent.

Cleaning and Maintenance

- Clean the ozone plate about once every month. Environmental factors affect the duration of ozone output.
- To clean plate, first turn the unit off and unplug from outlet. Remove the plate from back of unit. Pull plate firmly in the center to remove from the slot. With plate firmly supported in the hand, apply a solution of warm water and ammonia (50/50 solution is suggested) or a strong grease-cutting detergent. Scrub with a stiff brush if necessary. 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. You may use a hair dryer to dry the plate. When reinstalling, make sure plate are secured and flush with the back of the unit.
- To clean needlepoint ionizer, first turn the unit off and unplug from outlet. Remove the fan grill cover. The needlepoint ionizer – two pieces of wire – is located in front of the fan. Dip a cotton swab in alcohol and clean any dust that may have accumulated on the needlepoints. This may be done when plate are being cleaned.
- To clean the fan simply wipe the blades with a damp cloth or vacuum them. The grill cover may also be cleaned with warm soapy water. Be careful that the fan grill cover is completely dry before reinstalling.

Troubleshooting

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

Make sure plate is clean (see above).

Unit is plugged in and turned on.

Wall outlet is active

Check the fuse to make sure it is installed properly and not burned out. To replace fuse, push in and turn fuse holder to the left, remove old fuse, replace with the included spare (1 amp fuse, 1.25 inches long).

Check plate alignment making sure the ceramic plate is almost flush with back of unit.

Specifications

Ozone output: 360 mg/hr.

Area covered: Up to 3,500 sq. ft.

Dimensions: 12.5" x 11" x 15"

Weight: 12 lbs.

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