

## Product Owner's Guide

### < IMPORTANT >

#### SAVE THIS GUIDE!

For your safety, please read and save these instructions for your future reference. This guide includes:

- Safety Warnings
- Operating Instructions
- Warranty
- Trouble Diagnosis
- Replacement Part List
- Product Specifications

### BIOZONE Air Purifiers - Pure Environments™

Thank you and congratulations on your purchase of a quality BIOZONE Air Purifier. BIOZONE products have been engineered and manufactured to ensure your satisfaction. Because of that, all BIOZONE products carry a one-year limited warranty against manufacturing defects from date of purchase. We trust you will enjoy with years of carefree operation of your BIOZONE Air Purifier.

Your comments are appreciated and are a significant part of our continual effort to improve our products and service to you, our customer. Please forward your comments on our website at [www.biozonescientific.com](http://www.biozonescientific.com) where you will also find information about our other products.

*\*This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning user of the appliance by a person responsible for their safety.*

*\*Children should be supervised to ensure that they do not play with the appliance.*

## IMPORTANT SAFETY INSTRUCTIONS

READ THESE INSTRUCTIONS BEFORE USING THIS AIR PURIFIER

### WARNING

**To reduce the risk of electric shock, fire or injury:**

- Do not place the unit on top of the dashboard or rear deck
- Do not use outdoors or on wet surfaces
- Use only as described on this manual
- Do not use with damaged cord or plug. If the unit is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, contact our customer service center.
- Do not unplug by pulling on cord. To unplug, grasp the plug, not the cord.
- Do not handle plug or appliance with wet hands.
- Do not put any object into openings.
- Do not use with any opening blocked.
- Be sure to keep your unit free of dust, or lint which can reduce air flow.
- Keep hair, loose clothing, fingers and all body parts away from opening and moving parts.
- Do not use this unit in an enclosed space where oxygen, flammable explosive or toxic vapors exist or in an area where flammable dust is present.
- Be sure to unplug the unit before replacing the lamp.
- Never look at an illuminated PhotoPlasma Lamp.

**SAVE THESE INSTRUCTIONS**

**BEFORE OPERATING YOUR BIOZONE UNIT,  
READ ALL INSTRUCTIONS IN THIS GUIDE CAREFULLY.**

**OPERATION INSTRUCTIONS – MODEL: MZ-I / MZ-II (Heavy Duty)**

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**1. Proper placement of BioZone MZ-I / MZ-II (Heavy Duty)**

- Recommended to install on a fixed surface inside your vehicle.
- The unit must not be installed on the dash or on the deck at the rear window as sudden acceleration or deceleration may cause the unit to fall.
- Do not install where exposed to direct sunlight.
- Air intake openings may not be covered.
- Do not face the unit directly toward a person or pet.
- Do not install on a metal surface.

**2. Plasma/Ozone smell:**

Your unit produces what we call Photo Catalytic PureWave. Initially, the output of this process is consumed when purifying VOC's, bacteria odors and other impurities. However, during extended use an element of PureWave may produce a metallic smell. This is a sign of over production of Ozone. When this smell is clearly present, unplug your unit for a while and restart as needed to reduce contaminates.

**3. PhotoPlasma lamp Lifespan and replacement:**

BioZone units are easy to service. The only replacement part is the lamp. The lamp should be replaced once a year. **CAUTION! Disconnect the device from the power-supply network before cleaning or servicing.**

### **PhotoPlasma lamp replacement:**

- Disconnect power. **ATTENTION!** The unit and the UV-lamp must be allowed to cool down before replacement.
- Unfasten the screws on the underside of the unit and open the case.
- Carefully remove the old lamp from its socket by holding the socket with one hand and the lamp with the other.
- Connect the new lamp to the socket and replace lamp in clamps.
- Avoid touching the new lamp glass with bare fingers.
- Reassemble the case and tighten the screws.
- Dispose the old lamp according to local standards.

### **PhotoPlasma lamp cleaning:**

- Open the unit in accordance with the lamp replacement instructions in this manual. **ATTENTION!** The unit and the UV-lamp must be allowed to cool down before cleaning.
- Carefully remove the lamp from its socket by holding the socket with one hand and the lamp with the other. Avoid touching the lamp glass with bare fingers.
- Clean the lamp with a soft cloth and an appropriate cleansing solvent. Reinsert the lamp.

## **4. Operation:**

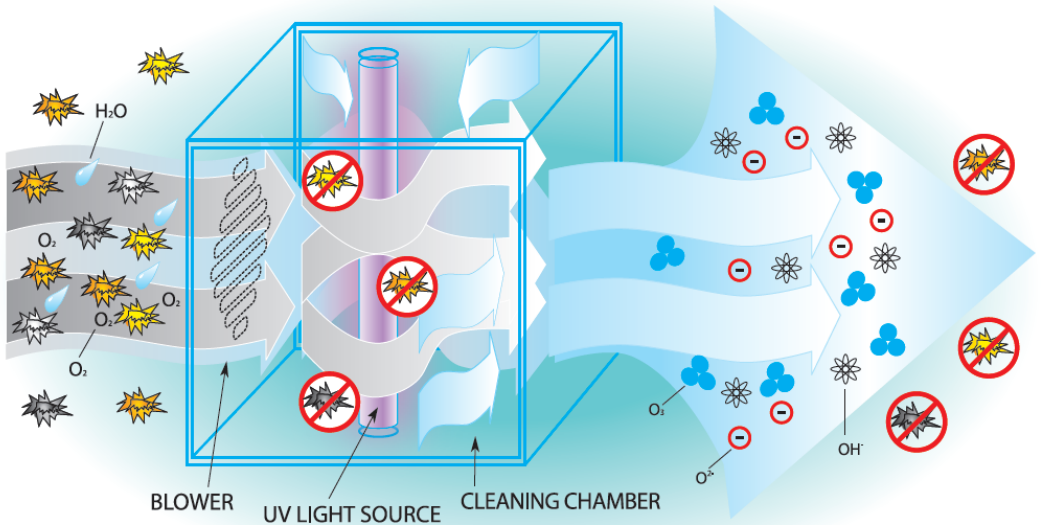
Plug the small end of the power cord into the unit and plug the other end into your vehicle power receptacle. The unit turns on automatically when power is connected. The unit does not have a separate on/off switch. If you want to turn the unit off, unplug the unit from the power receptacle or the unit.

## **5. Air Purifying strength:**

Model: MZ-I / MZ-II (Heavy Duty) Area: For Vehicle Use Only

CAUTION: MZ's designed for: Passenger cars, small SUVs, large SUV's, vans and semi-trailer truck only. May also use as traveling unit for a small hotel/motel room – adapter required (optional)

I Photochemistry    II Photocatalytic Oxidation    III Photoplasma



**NEVER LOOK DIRECTLY AT AN ILLUMINATED PHOTO PLASMA LAMP!**

## Warranty

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BioZone products are manufactured and tested in accordance with standard quality control methods. Carefully inspected components and materials will give years of carefree use of the product. BioZone air purifiers carry a one-year limited warranty against manufacturing defect from the date of purchase. Please fill out and mail the attached warranty registration card. Please retain your receipt for proof of purchase. Warranty is voided if the product shows signs of abuse, has been dropped, exposed to moisture, used with non-BioZone lamps or adapters or the product has been used in accordance with the instructions contained in the Owner's Manual. Warranty does not cover damage caused by lighting or other acts of nature. In case of problems or questions please contact: [www.biozonescientific.com](http://www.biozonescientific.com)

## TROUBLE DIAGNOSIS

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Service problems may appear to be major but they can often be easily solved. You can often troubleshoot your own unit by reviewing the chart below. The chart pinpoints the problem and how to correct it.

<b>Problem</b>	<b>Check</b>	<b>What to do</b>
No power, the unit does not turn on	Power Cord	Is the power cord securely connected to the unit and vehicle outlet?
I can hear the fan but the lamp is not on.	Lamp	Replace BioZone Lamp
Unit does not seem to be as effective as it once was?	1. Airflow	Has the air intake been covered?
	2. Lamp	Check to see if the lamp is clean, if not, wipe with a soft cloth and Isopropyl alcohol.
	3. Lamp	If the lamp is clean and still not as effective, it may be time to replace the lamp.

## Replacement Parts

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### PhotoPlasma lamp for model MZ-I / MZ-II (Heavy Duty)

**Note: Replacing the lamp with anything other than an official BioZone Lamp will void your warranty.**

Contact us with questions at the location serving your area. When calling, please be sure to have your model and serial number from your unit:

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Email : [info@biozonescientific.com](mailto:info@biozonescientific.com)

## MZ-I / MZ-II Product Specifications

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Cleaning method:	PhotoPlasma
UV lamp output:	MZ-I / MZ-II (Heavy Duty) 1.2W
Ozone production:	0.1 gm/hour
Ionization:	Produces low volume of negative ions
Power requirement:	12V vehicle cigarette lighter adapter, or, 12V 1.25A adapter center+
Operating temperature:	40° – 100° F
Relative Humidity:	20 – 90%
Case material	ASAW
Engineering Design:	Finland
Manufacturing:	China