 **AIR CARE**



Sustainably Enhancing Indoor Environments



USER MANUAL



AIR CARE

ENGLISH | ESPAÑOL | DEUTSCH | FRANÇAISE

TABLE OF CONTENTS

01. INTRODUCTION

02. INCLUDED PARTS LIST

03. DEVICE DESCRIPTION

04. BIOZONE SCIENTIFIC TECHNOLOGY

- What is Biozone Scientific Photoplasma™

05. INSTALLATION LOCATION

06. INSTALLATION

- Wall Plug
- Permanent Connection

07. LAMP CLEANING AND REPLACEMENT

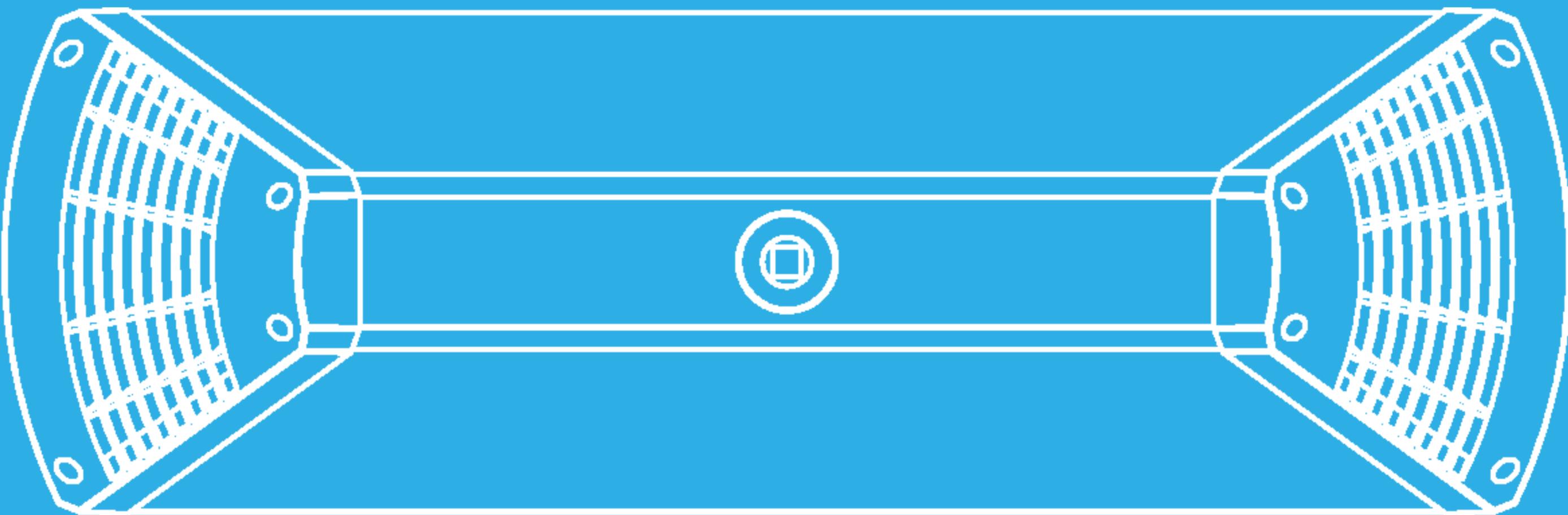
08. TROUBLESHOOTING

09. WARRANTY AND CERTIFICATIONS

10. FAQs

11. SAFETY GUIDELINES

- Usage Safety
- Electrical Safety
- Safety in the Workplace
- Personal Safety
- Safe Device Use
- Use Guidelines



01. INTRODUCTION

This user manual has been created to facilitate the safe and trouble-free operation of the Biozone Scientific AIR CARE. The product is designed and manufactured in strict adherence to technical standards, incorporating cutting-edge technologies and quality components. Moreover, it is produced in complete compliance with the most rigorous quality standards.

To enhance the product's lifespan and ensure a safe and effective operation, you must follow the instructions outlined in this user manual and perform regular maintenance tasks. The technical data and specifications provided in this user manual are current, but it's important to note that the manufacturer retains the right to implement any necessary changes.

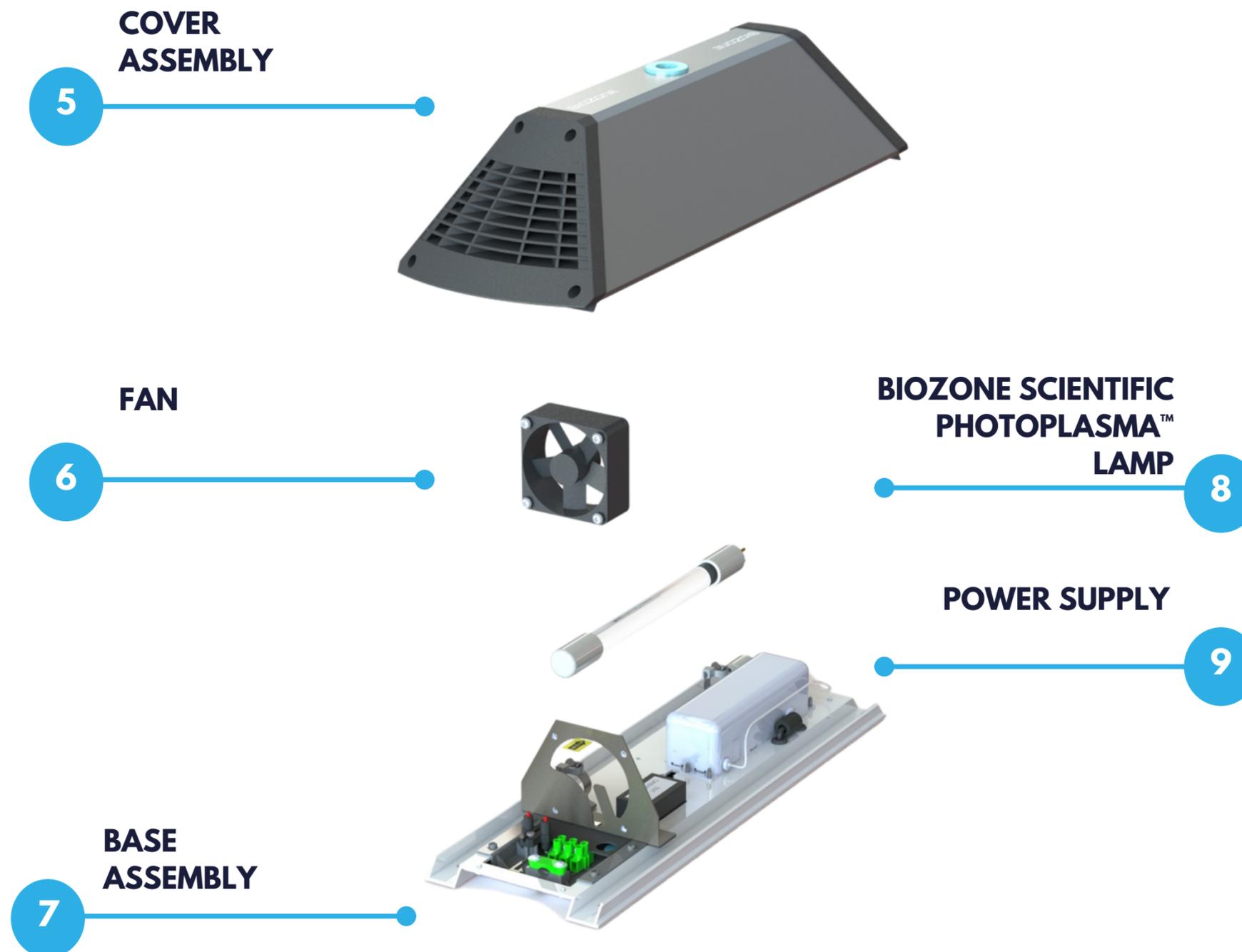
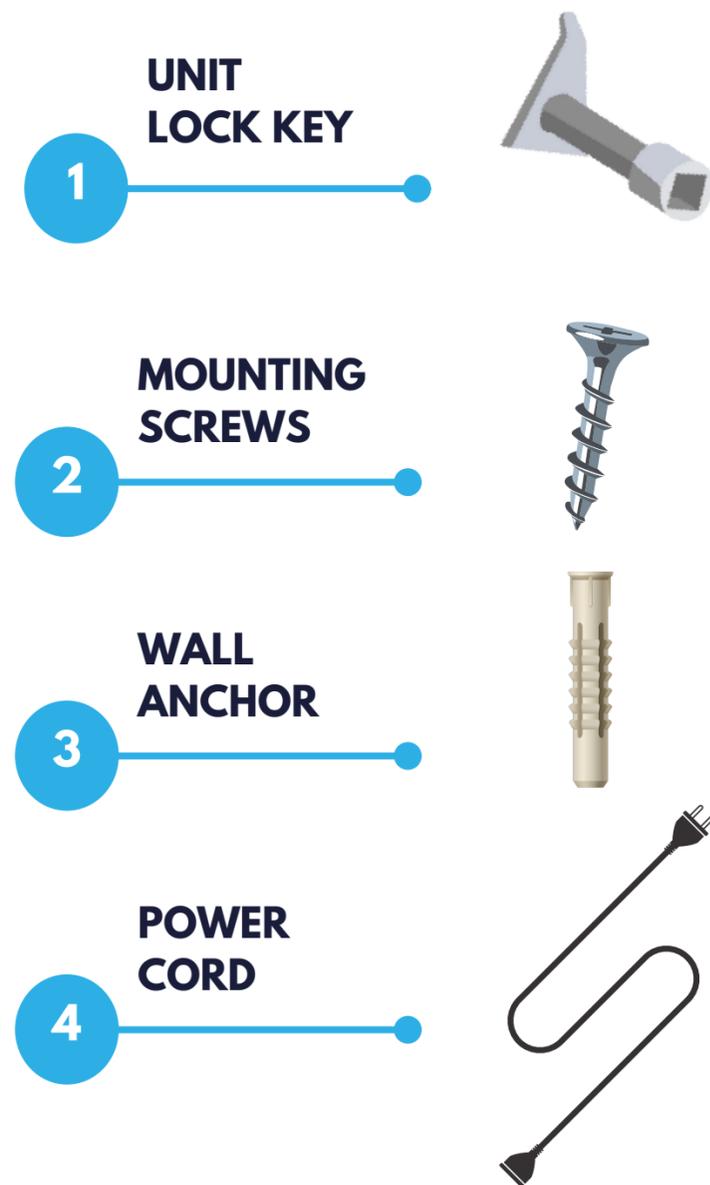


CAUTION: DO NOT USE THE DEVICE UNLESS YOU HAVE THOROUGHLY READ AND UNDERSTOOD THIS USER MANUAL.



PLEASE NOTE: The drawings in this manual are for illustration purposes only and may not perfectly match the actual product. The original operation manual is in English, and other languages are translated versions from the English original.

02. INCLUDED PARTS LIST



03. DEVICE DESCRIPTION

The AIR CARE can be used in any occupied space subject to sizing **guidelines** for odour control, cleaning and freshening the air.

The Biozone Scientific AIR CARE is the result of the extensive research and sustained product developments. Biozone Scientific has more than a decade of experience in designing and manufacturing its products.

The AIR CARE is highly effective and safe to use and fully complies with the criteria of the world's most respected certification bodies. Certificates issued to this effect are listed in section 09, Warranty and Certifications section of this manual.

Every AIR CARE unit has undergone a strict quality/control regime. However, if the unit malfunctions, follow the instructions in the Troubleshooting section of this manual. If the problem persists, please contact your local distributor.

Biozone Scientific products are designed to be user-friendly with a high degree of functionality, ease of operation and simple installation. User feedback is important for the continuous development of our products. We value your opinion and greatly appreciate your feedback, which you can send to: info@bsg-uv.com



For more information, visit our home page at: www.biozonescientific.com and discover:

- Biozone Scientific solutions for other applications such as garbage rooms, ice-machines etc.
- Contact information for importers and distributors

04. Biozone Scientific TECHNOLOGY - PHOTOPLASMA™

The AIR CARE is an excellent tool designed to eliminate unpleasant odours at their source whilst cleaning and freshening the air.

When properly used, the AIR CARE significantly reduces odour and harmful organic compounds in the air and on surfaces. The AIR CARE does not just mask odour with chemicals or perfumes; it actually destroys the odours leaving a cleaner, more pleasant environment.

Biozone Scientific's advanced Photoplasma™ technology is designed to sustainably enhance indoor environments. It goes beyond conventional cleaning methods by harnessing combination of negative ions, hydroxyl radicals, singlet oxygen, ultraviolet light and ozone.

The elements of Photoplasma™ quickly and actively break down the structure of contaminants by a chain of reactions. Eventually the contaminants are decomposed and converted to harmless molecules such as carbon dioxide and water vapour.

In essence, Biozone Scientific's Photoplasma™ advanced technology brings the holistic benefits of the outdoors, where nature's cleansing mechanisms thrive, directly into our indoor spaces. It ensures a sustainably enhanced, healthier, and more refreshing living environment.



05. INSTALLATION LOCATION

To ensure the safety of the user, people in the area, and/or animals; follow these instructions carefully and observe all warnings.



The AIR CARE unit must be connected with the included adaptor.

ATTENTION! INSTALLATION MUST BE CARRIED OUT BY A MAINTENANCE MECHANIC OR APPROPRIATELY QUALIFIED PERSONS ONLY.

BEFORE INSTALLATION

Inspect the device for damage that may have occurred during transportation. If the unit has been damaged, do not connect it to the power supply or try to use it otherwise. In the event of damage, immediately inform the dispatcher or retailer. Check that the aforementioned components are included in the package (some are inside the device). In the event that something is missing, contact your supplier.

INSTALLATION LOCATION

The AIR CARE device must be installed:

- On a wall or ceiling at a height of approximately 2 metres (7 feet).
- In a place where the air moves freely into and out of the device.
- In a place where it most effectively removes impurities from the air.
- Such that it does not blow directly onto the face.
- Such that it is within easy reach of the power-supply outlet.

To gain maximum benefit from your AIR CARE install it close to a fan or to the incoming air vent. In this way the purifying plasma will be mixed most effectively with the air in the room.

FOR VERSIONS WITH PLUGGED CABLES

STEP 1

Ex-factory, the device is locked by default. To open the cover, insert the key and rotate it a quarter turn in an anticlockwise direction. Remove the key.

STEP 2

The cover is firmly attached to the base plate. To remove it, insert a broad screwdriver or similar tool between the cover and base-plate and gently but firmly prise off the cover. The electronic components remain attached to the base-plate when the cover has been removed.

STEP 3

It is important that the cable is connected to the device before mounting the unit and to ensure that the cord is within easy reach of a power-supply outlet. However, do not connect the power cord to the power outlet at this stage. For mounting, there are four screw holes on the base-plate. The mounting kit comprises four screws and four rubber spacers to dampen resonance. Before fastening the screws, insert the spacers between the base-plate and the wall or ceiling. To maximise efficiency, the outflow end (which contains the fan) of the unit should be installed as close as possible to the ventilation shaft for the incoming air flow. The arrow in the illustration indicates the direction of the air flow.

STEP 4

Ensure that the lower end of the locking shank is lengthwise so that it fits neatly into the hole in the base-plate and press down the cover to close it.

STEP 5

Insert the key, turn it a quarter turn in a clockwise direction and remove it.

STEP 6

Connect the power cords grounded plug to an appropriate power supply outlet.

The device will start-up and the indicator light will turn on.

06. INSTALLATION

FOR VERSIONS WITH NO PLUG

STEP 1

Ex-factory, the device is locked by default. To open the cover, insert the key and rotate it a quarter turn in an anticlockwise direction. Remove the key.

STEP 2

The cover is firmly attached to the baseplate. To remove it, insert a broad screwdriver or similar tool between the cover and the baseplate and gently but firmly prise off the cover. The electronic components remain attached to the base-plate when the cover has been removed.

STEP 3

For mounting, there are four screw holes on the base-plate. The mounting kit comprises four screws and four rubber spacers to dampen resonance. Before fastening the screws, insert the spacers between the base-plate and the wall or ceiling.

To maximise efficiency the outflow end (containing the fan) of the unit should be installed as close as possible to the ventilation shaft for the incoming airflow. The Arrow in the illustration indicates the direction of airflow.

STEP 4

Ensure that the lower end of the locking shank is lengthwise so that it fits neatly into the hole in the base-plate and press down the cover to close it.

STEP 5

Insert the key, turn it a quarter turn in a clockwise direction and remove it.

NOTE: Stationary appliances fitted without means for disconnection from the supply mains, that have a contact separation in all poles, that provides full disconnection under overvoltage category III, must have a means for disconnection that is incorporated in the fixed wiring in accordance with the wiring rules.

Install the unit so the power can be disconnected before removing the cover for service.

The unit is not internally fused therefore, the mains supply circuit must be fused. The unit is intended to operate continuously. Insure the power supply is continuous and cannot be unintentionally switched off. The un-terminated AC power cord installed on the unit conforms to the following IEC standard wire colour coding.

The unit's electrical connection to the mains supply must be performed according to national and local electrical codes by a qualified electrician.

FUNCTION	COLOUR
Protective Earth	Green Yellow
Neutral	Blue
Live	Brown

07. LAMP CLEANING AND REPLACEMENT

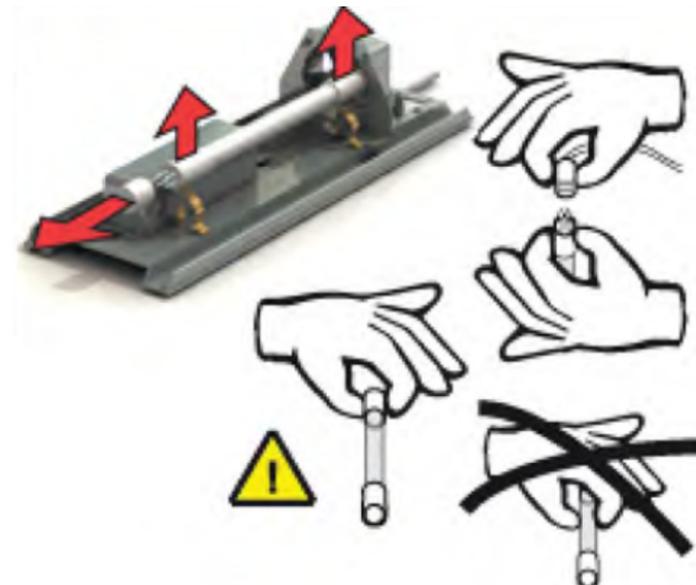


ATTENTION: Avoid touching the glass portion of the lamps with bare fingers. Use gloves or a cloth to handle the lamps. If the glass is touched, use isopropyl alcohol to wipe the glass surface clean.

Disposing of the lamps according to local hazardous waste disposal laws. The lamps are disposed of at the same facilities as household fluorescent bulbs or compact fluorescent lamp bulbs. The lamps contain mercury.

1. Disconnect the power supply from the device.
2. Allow 10 minutes for the lamps to cool.
3. Unlock the cover with the Unit Lock Key.
4. Open the cover using the Unit Lock Key to separate the cover from the base.
5. Unplug the lamp connector from the Photoplasma™ lamp.
6. Remove the lamp from the lamp clips.
7. Wipe the lamp with alcohol to clean the glass surface.
8. Place the cleaned Photoplasma™ lamp or new Photoplasma™ lamp into the lamp clips.
9. Connect the lamp connector observing the correct orientation of the pins.
10. Ensure that the lamp connector wires do not interfere with the cover closing.
11. Re-install the cover and press firmly on the top near the lock to ensure it is completely closed.
12. Close the device using the Unit Lock Key to lock the unit.

07. LAMP CLEANING AND REPLACEMENT



08. TROUBLESHOOTING



ATTENTION: Servicing the AIR CARE requires a qualified maintenance professional. Disconnect power before cleaning or servicing the AIR CARE.

ISSUE	CHECK
Lamp not lit BUT fan works	<ul style="list-style-type: none"> • Open the AIR CARE cover and check that the lamp connectors are properly installed. • Replace lamp.
Lamp not lit AND fan not working	<ul style="list-style-type: none"> • Power supply plugged in. • Center lock switch turned on. • Power outlet is working. • Power cord is undamaged.
Weak airflow	<ul style="list-style-type: none"> • Vent end caps are clean.

If the AIR CARE unit does not function after checking these items, please contact your supplier.

09. WARRANTY AND CERTIFICATIONS

WARRANTY

Biozone Scientific provides a standard 1-year warranty on its products. Warranty coverage starts from the date of purchase. An additional 1-year warranty is available when the user registers the product via the warranty card/online form.

WARRANTY CONDITIONS

- The appliance is guaranteed against defects in material and workmanship under normal use and appropriate voltage for one year from the purchase date.
- Warranty does not apply to any appliance that has been tampered with, altered, subjected to misuse, abnormal voltage input, power interruption, electric shock, negligence, accident, force majeure, or if the serial number has been altered, effaced, or removed.
- Failures due to improper or unreasonable usage, maintenance, accident, improper packing, unauthorised tampering, alteration, or modification will not be covered under warranty as determined by Biozone Scientific.

- Any unsanctioned repairs of the interior or exterior finish of the casing, control plate, knobs, accessories, or consumable parts will void warranty.
- Replacement lamps are excluded from warranty coverage; Biozone Scientific lamps are covered by a 1-year prorated warranty.
- Any repairs or replacements of defective parts by Biozone Scientific will be covered under warranty.
- Transportation or shipping costs to or from the repair facilities are not covered under warranty.
- Warranty is valid only when using Biozone Scientific replacement lamps and parts.
- Biozone Scientific engineers will determine whether the product will be repaired or replaced at their sole discretion.



Please scan the QR code or visit <https://biozonescientific.com/warranty/> to register for the additional one year warranty, alternatively please use the warranty card within the box.

09. WARRANTY AND CERTIFICATIONS

WARRANTY

Please note that this warranty supersedes any other written warranty, whether expressed or implied, written or oral, including a warranty of merchantability or fitness for a particular purpose. The manufacturer's maximum liability shall not exceed the actual purchase price paid for the product. Additionally, the warranty will be considered void if the label bearing the serial number has been removed or defaced.

WARRANTY RETURN PROCESS

1. Contact your supplier for specific return instructions and to receive your RMA (Return to Manufacturer Authorisation) number. Any return not labelled with an RMA number will be systematically refused.
2. Pack the product in its original box and in the same manner you received it or as similar as possible. Label the outside of the box with your RMA number.

3. Return the product with proof of purchase. Any return not including a proof a purchase will be systematically refused.
4. Label and ship the unit, freight prepaid to the address provided with your RMA number.

CERTIFICATIONS

RoHS



10. FAQs

Q1. IS THERE A PREFERRED LOCATION TO INSTALL AN AIR CARE UNIT?

A1: Wall or ceiling mounted – ideal height being 2 – 2.5 m, as close to the odour source as possible and keep away from outgoing air vents as this will remove the valuable Photoplasma™ produced

Q2. WHAT SIZE ROOM CAN THE AIR CARE BE USED IN?

A2: The suitability of the AIR CARE for different room sizes is determined by various factors, such as the Biozone Scientific Photoplasma™ output, airflow, number of odour sources, and more. Sizing information is available on the www.biozonescientific.com website and in the datasheet.

Q3. HOW DO I KNOW IF THE AIR CARE UNIT IS WORKING CORRECTLY?

A3: When operating the unit has a blue light which displays on the front around the lock, furthermore if the odour is significantly reduced and/or removed entirely, the unit is working correctly. If the light is displayed and odours are not significantly reduced please reconsider the sizing guidelines.

Q4. WILL THE AIR CARE UNIT REMOVE A FRAGRANCE ?

A4: As the Photoplasma™ technology is designed to remove odours, all fragrances will be affected. However, by placing the fragrance and Aircare unit in the recommended positions, the desired outcome can be achieved.

Washroom example:

- if the fragrance is positioned at the entrance of a washroom, a user will experience the fragrance when entering and exiting. With the AIR CARE unit positioned above the odour source such as the toilets or urinals, the user will experience a fresh odour-free ambience in this immediate area

11. SAFETY GUIDELINES

CONDITIONS OF USE

USAGE SAFETY



CAUTION: Carefully read all safety warnings and instructions. Failing to adhere to these warnings and instructions may result in severe injury or, in extreme cases, even death.

In the following safety warnings and instructions, the terms "device" or "product" refer to the AIR CARE.

ELECTRICAL SAFETY

- Ensure the plug fits the socket. Using original plugs with matching sockets reduces the risk of electric shock.
- Refrain locating device such that it is touching grounded elements such as pipes, heaters, boilers, and refrigerators. There is a higher risk of electric shock if the grounded device is exposed to rain, comes into direct contact with a wet surface, or operates in a moist environment. Water getting into the device drastically increases the risk of device damage and electric shock.
- Do not touch the device with wet or damp hands.
- Use the cable solely for its intended purpose. Never use it to transport the device or to forcibly extract the plug from a socket. Ensure the cable remains clear of heat sources, oil, sharp objects, or moving components.
- Compromised or tangled cables heighten the potential for electric shock.

- If you find yourself using the device in a damp environment as an unavoidable necessity, it is advisable to incorporate a residual current device (RCD). The use of an RCD significantly diminishes the risk of electric shock.
- Do not operate the device if the power cord exhibits damage or displays signs of wear. A deteriorated power cord should be replaced by a qualified electrician.
- To prevent the risk of electric shock, avoid submerging the cord, plug, or the device itself in water or any other liquids. Likewise, do not use the device on wet surfaces.
- Take precautions to shield the device from moisture, as exposure may lead to an elevated risk of electric shock.

SAFETY IN THE WORKPLACE

- Ensure that your workspace is clean and well-lit. A cluttered or poorly lit workspace can increase the risk of accidents. Exercise foresight, pay attention to ongoing activities, and apply common sense when operating the device.
- If you come across any damage or irregular operation, promptly turn off the device and report the issue to a supervisor without delay.
- If there are any uncertainties regarding the correct operation of the device, contact the manufacturer's support service for guidance.
- Only the manufacturer's authorised service point should undertake repairs on the device. Do not attempt any repairs on your own.
- In the event of a fire, use a powder or carbon dioxide (CO₂) fire extinguisher designed for use on live electrical devices to extinguish it.

11. SAFETY GUIDELINES

- Please retain this manual's QR code for future reference. If you transfer the device to a third party, ensure the QR code is passed on along with it.
- Keep the device out of reach of children and animals.

PERSONAL SAFETY

- Do not operate the device when tired, unwell, or under the influence of alcohol, narcotics, or medications that could significantly impair your ability to use the device safely.
- The device is not intended for use by individuals, including children, with limited cognitive and sensory capabilities, or by those lacking relevant experience and knowledge, unless they are under the supervision of someone responsible for their safety or have received proper instruction on device operation.
- Only physically fit individuals, who have received appropriate training, are familiar with this manual, and have been educated in occupational health and safety, should handle the device.
- While working with the device, exercise common sense and remain vigilant. Lapses in concentration during device operation can result in injury.
- To prevent accidental activation of the device, ensure that the switch is set to the OFF position before connecting it to a power source.
- The device is not a toy. Children must be supervised to prevent them from engaging in play with the device.

USE GUIDELINES

The device is designed to filter the air and remove impurities. The user is liable for any damage resulting from unintended use of the device.

SAFE DEVICE USE

- Do not use the device if the ON/OFF button or timer malfunctions.
- Ensure the plug is disconnected from the socket before making any adjustments, replacing consumables, or setting the device aside. These precautions minimize the risk of unintentionally activating the device.
- When not in use, store the device in a secure location, away from children and individuals who are unfamiliar with the device and have not read the user manual. Inexperienced users can pose a safety risk when handling the device.
- Maintain the device in good condition. Before each use, inspect it for any general damage, with particular attention to cracked parts or elements, as well as any other issues that might affect safe operation. If damage is detected, send the device for repair before using it.
- Keep the device out of reach of children.
- Device repairs or maintenance should only be carried out by qualified individuals using original spare parts to ensure safe usage.
- To preserve the device's operational integrity, avoid removing factory-fitted guards and refrain from loosening any screws.
- When transporting and handling the device from the warehouse or storage to the destination of use, adhere to the occupational health and safety guidelines applicable in the country where the device will be used.

11. SAFETY GUIDELINES

SAFE DEVICE USE

- Do not move, adjust, or rotate the device while in operation.
- Regularly clean the device to prevent the buildup of stubborn grime.
- Avoid obstructing the air intake and outlet.
- The device is not a toy, and children should not perform cleaning and maintenance tasks without supervision from an adult.
- If any treated room has a suspected Photoplasma™ level higher than normal level, leave the room and wait 20 minutes.
- It is prohibited to modify the device's structure to alter its parameters or construction.
- Keep the device away from sources of fire and heat.
- Do not overload the device.
- Avoid covering the ventilation openings.
- Individuals with impaired sense of smell should refrain from using the device.
- Before turning on the device, ensure there is sufficient open space around it.
- Under no circumstances should you directly inhale Photoplasma™ emitted from the device's outlet. Inhaling high concentrations of Photoplasma™ over a short period or low concentrations of Photoplasma™ over an extended duration may pose serious health risks or even be life-threatening.
- Do not use the equipment for therapeutic purposes.
- Do not look at Photoplasma™ lamps when lit ; UV light may damage eyes.
- Avoid operating the device on a metal surface.



ATTENTION! Despite the safe design of the device and its protective features, and despite the use of additional elements protecting the operator, there is still a minor risk of accident or injury when using the device. Stay alert and use common sense when using the device.