

# Medi Air Purifier



MA International Trading Co., Inc.  
DBA: Medi Air Purifier  
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# WARRANTY

The Medi Air Purifier is built with unparalleled quality and is designed for long lasting, efficient performance. The unit also comes with a one year warranty which is automatically activated on the date of purchase. This warranty guarantees all aspects of the air purifier, excluding the plate and rear filter assembly which require replacement due to normal use.

Though the

APCO cell is an exchangeable part, the cell is still covered under warranty for a period of 12 months. The warranty only guarantees your unit from defects and malfunctions related to normal operational use. Any damage resulting from owner misuse, such as dropping the unit, is not covered under the warranty. There is no need to register your product as your receipt will serve as proof of purchase, therefore granting you all the warranty benefits of a Medi Air Purifier owner.

For warranty service, please contact MA International Trading Co., Inc., DBA: Medi Air Purifier at 1(800) 953-7228

# **SPECIFICATIONS**

## **Unit**

Dimensions: 12 inches high x 9 inches wide x 10 inches

## **deep**

Coverage: 250 sq. ft. to 4000 sq. ft. (23 sq. meters to 372 sq. meters)

## **Power Cord**

Input: 110 VAC 60 Hz

Output: 110 VDC 50W

See the power supply label for certifications and warnings

## **APCO Cell**

Normal Mode Output: <0.02 ppm ozone (ambient room concentration)

## **Purification Plate**

High Mode Output: 25-600mg ozone per hour

## **Ionization Needle**

-9FV to 9FV. Positive and negative ion generation

Two DC needle ion generators

# **BENEFITS**

The Medi Air Purifier is a powerful machine, capable of turning a home full of unhealthy contaminants, such as mold, dust, pollen, and harmful pathogens into a clean, sanitized and healthy environment with just the click of a button. Relax with the peace of mind that you are breathing fresh, safe air, filtered by the most advanced technology on the market today.

The Medi Air Purifier sanitizes not only the air, but all surfaces in your home and office as well, such as counters, carpets, appliances, cabinets and much more. With the Medi Air Purifier you can rest assured that both the air you're breathing and the surfaces you're touching are safe and pollution free.

## **Ease of Use**

The Medi Air Purifier utilizes complex and advanced technology to clean your home or office, but is also designed to be extremely simple to operate. With just the touch of a button, the Medi Air Purifier goes to work for you, purifying your air with ease. The unit also exceeds the highest standards of quality and with regular cleaning will run smoothly and efficiently for many years.

## **Support**

For many of the most common issues with the unit, please refer to the troubleshooting section of the manual. If you need further support, please contact MA International Trading Co., Inc., DBA: Medi Air Purifier at (800) 953-7228.

# STATE OF THE ART TECHNOLOGY

## Revolutionary Plasma Ion Technology

The most unique feature of the Medi Air Purifier is our Plasma Ion Technology. Unlike most units which produce only negative ions, the Medi Air Purifier emits both positive and negative ions. These ions separate and rejoin around harmful particles. When the ions join around the toxins, they become trapped in the plasma filter. Once trapped, the harmful particles are actively attacked and removed from the environment.

## Advanced Photo Catalytic Oxidation

This revolutionary technology far exceeds any standard HEPA filter, breaking down air pollutants instead of merely trapping them. A powerful UV light beam strikes titanium dioxide and other catalytic metals within the unit which activate electrons that then interact with water molecules. This reaction results in the creation of agile, hydroxyl radicals which attack and destroy the bonds of pollutant particles, leaving behind only the harmless substances of carbon dioxide and water. The result: A clean, sterilized and healthy atmosphere within your home or office.

## Versatility of Air Purification Coverage

The Medi Air Purifier can sanitize up to 4000 sq. ft. of space. If you want to purify a smaller space, the unit is also highly adaptable, allowing you to set it to sanitize smaller spaces as needed. With the Medi Air Purifier, you have the flexibility of creating a safe, healthy environment in both the largest and smallest of spaces.

## Needlepoint Ionization

The Medi Air Purifier utilizes needlepoint ionization to gather odors and other pollutants together, so that your HVAC unit can more easily remove them from your living space. The technology works when electron voltage is emitted across metal needles, causing millions of negative ions and positive ions to travel through the air, making harmful contaminants heavier. By making them heavier, your HVAC system can then easily remove contaminants from your home or office. The Medi Air Purifier contains two separate needles. For increased safety, the needles are positioned inside the unit, preventing people from accidentally touching them.

## Soft Start Technology

The Medi Air Purifier uses soft start technology, which not only increases the life span of the ceramic plate, but also allows the unit to perform in any indoor environment, including high humidity.

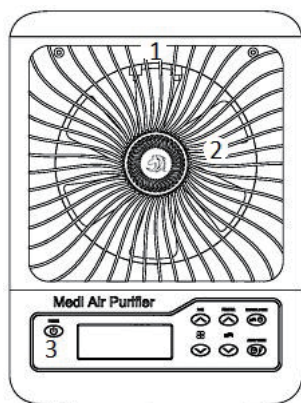
## Washable Filter

The Medi Air Purifier has a washable, multi-layered filter, collecting any of the heavy particulates from the needlepoint ionization process that may not have been removed by the HVAC system. With normal cleaning, this filter can be used many times before it needs to be replaced.

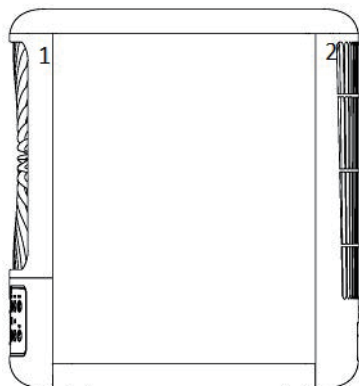
## Activated Carbon Deodorization

The honeycomb layer of the filter is coated in activated carbons. This enhances the purification process by removing a greater number of contaminants and more effectively eliminating bad odors.

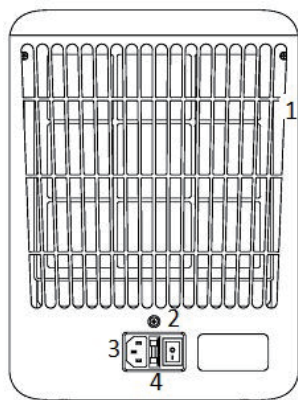
# DIAGRAMS



1. Ionization Needles
2. Front Grille
3. Control Panel

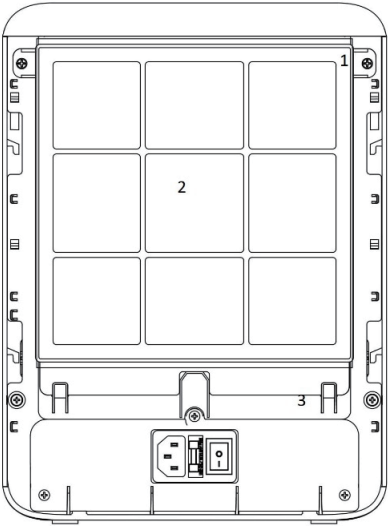


1. Front Grille
2. Rear Cover

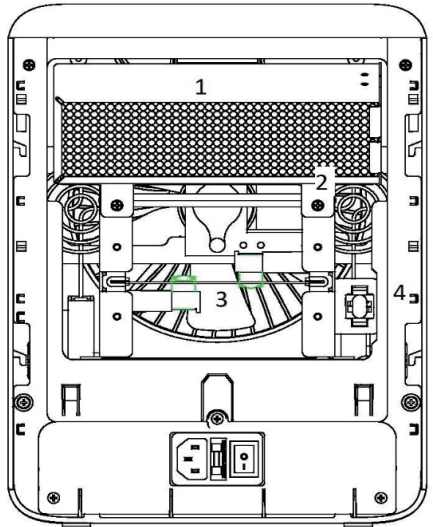


1. Rear Cover Clasp
2. Rear Cover Screw
3. Power Cord Insert
4. Fuse

# DIAGRAMS

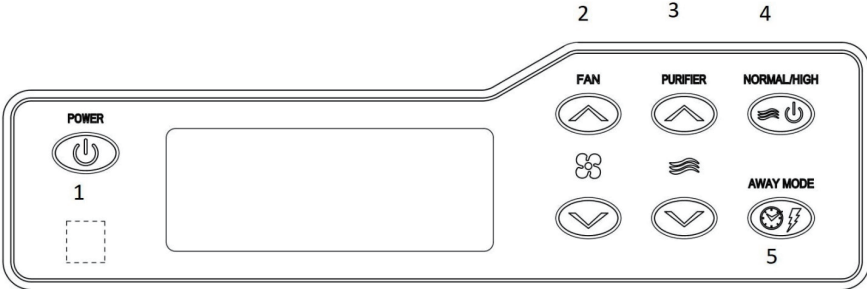


- 1.Thumbscrew
- 2.Filter Assembly
- 3.Filter Assembly Clasp



- 1.APCO Cell
- 2.APCO Cell Nut
- 3.Purification Plate
- 4.APCO Cell Connector

# DIAGRAMS



- 1. Power Button
- 2. Fan Speed Control
- 3. Purifier Level Control
- 4. Normal/High Mode Control
- 5. Away Mode Control



# DIAGRAMS



- 1.Fan Speed Indicator
- 2.Purification Level Indicator
- 3.Away Mode Indicator
- 4.Away Mode Warning
- 5.Maintenance Reminder
- 6.Ion Indicator
- 7.Purification Level Warning

# DIAGRAMS



Normal Mode

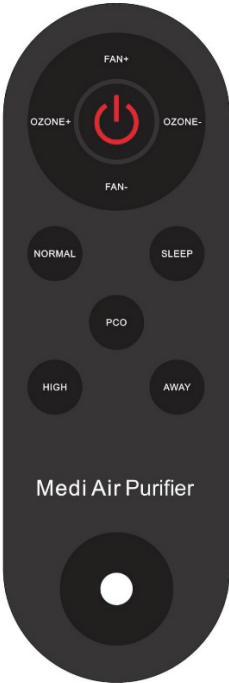


High Mode



Away Mode

# DIAGRAMS



Remote Control

# SET UP AND OPERATION

## OPERATION

### Initial Set Up

Before beginning to purify the air in your home or office, there are a few things to consider regarding the placement of the unit.

Set the Medi Air Purifier five feet or higher off the floor in a large open area within your home or office. Never run the unit while on the floor.

Choose a location that is a good distance away from HVAC vents.

Ensure there is plenty of room in front of the unit for purification, so that it can operate at maximum capacity.

### Starting the Unit

Before turning on the unit, first determine the square footage of the area you wish to purify. Only calculate the area of rooms whose doors are open. If you wish to purify a smaller area than the entire house, close the doors to those rooms.

Now you can begin turning on your Medi Air Purifier. Attach the power cord into the unit. Once firmly connected, plug the power cord into the wall and turn the unit on.

# SET UP AND OPERATION

## CONTROLLING THE UNIT

To turn the unit on, simply press the Power button. By default, the air purifier will set to Normal Mode. To turn the unit off, press the Power button again and the unit will shut off.

### Operating the Unit in Normal Mode

To operate your Medi Air Purifier in Normal Mode, press the Normal button. In this mode, square footage settings are not available. However, you have the option of controlling the fan speed by pressing the Fan Up/Fan Down buttons.

### Operating the Unit in High Mode

When in Normal Mode, press the Normal/High Mode. The High Mode will then show on the LCD screen. Once on High Mode, you can then adjust the square footage settings by pressing the Purifier Up/Purifier Down buttons. You also have the option of controlling the fan speed by pressing the Fan Up/Fan Down buttons.

**Warning:** Do not set the unit to a square footage larger than the area you wish to purify.

### Operating the Unit in Away Mode

To operate your Medi Air Purifier in Away Mode, simply press the Away Mode button. The unit should then show Away Mode on your LCD Screen. You can set the Away Mode Timer in 2-hour increments by continuing to press the Away Mode button. The Away Mode Timer has a maximum setting of 12 hours.

# SET UP AND OPERATION

## LCD Notification

### Perform Cleaning Notification

After every 900 hours of use, a Perform Cleaning notification will appear on the unit's LCD screen. This means the ceramic plate needs to be cleaned for the unit to run at peak performance. To clean the ceramic plate, follow the instructions laid out in this manual. After cleaning the ceramic plate, press the Away Mode button for five seconds and the Perform Cleaning notification will disappear. The unit has now been re-set and will again notify you to perform a cleaning after another 900 hours of use.

# SET UP AND OPERATION

## WARNINGS

Do not operate the Medi Air Purifier near anything flammable, an open flame, such as a fireplace or near any area of heat generation, such as a heat duct.

Only use the Medi Air Purifier if all parts are fully and properly installed. Never operate the unit with a broken plate.

Do not stare directly into the lamplight inside the unit.

Do not set the unit to cleanse an area larger than the square footage of your home or office.

Never use the Away Mode while your home or office is occupied.

Always power off and unplug your Medi Air Purifier prior to performing any service or maintenance to your unit.

Individuals with asthma or respiratory and lung conditions should not be in the room while using the Purify feature.

# DISSASSEMBLING THE MEDI AIR PURIFIER

## Instructions

In order to work on the Medi Air Purifier, you will need a large flat area, such as a table to disassemble/reassemble the unit. Remember not to lose any screws while in the process of servicing the unit.

### Disassembling the Rear Cover Instructions

First, turn the unit off and unplug the power cord. Next, unscrew the Rear Cover and remove it from the unit. Then, slide the rear cover down toward you until it is free of the unit. Once removed, you can wipe the Rear Cover with a damp cloth.

### Disassembling the Filter Instructions

To remove the Filter, unscrew two screws on the top corners of the unit. Gently pull the top of the Filter Assembly free of the unit. Unlock the tabs on the Filter to expose the mesh, foam and honeycomb membranes of the Filter.

### Disassembling the Purification Plate Instructions

First tear away and dispose of the two rubber seals that secure the purification plate in place for shipping.

### Disassembling the APCO Cell Instructions

The APCO Cell is located on the rear of the unit. To remove, disconnect the APCO Power Connector from the APCO Power Outlet by holding down the tabs and carefully separate the connection. Now, find the thumb nuts below the APCO power cell and unscrew. Carefully slide the APCO Cell out from the unit.

### Disassembling the Front Turbine Grille

Find the two screws that hold the Front Turbine Grille in place on the corners of the unit and unscrew. Clean the grille with a damp cloth or a vacuum.



# REASSEMBLING THE MEDI AIR PURIFIER

Reassembling the Medi Air Purifier is as simple as reversing the steps of disassembly. Use the screws that were removed in the disassembly process to re-attach any aspect of the unit you took apart. However, there are a few things to keep in mind when reassembling the unit.

## Front Turbine Grille

When reassembling the Front Turbine Grille, carefully align it with the screw holes so as not to damage the two ionization needles at the top center of the unit.

## APCO Cell

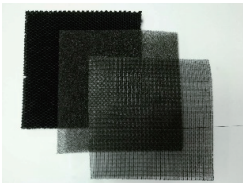
For the APCO Cell, position the tabs so that they face the bottom interior of the unit and slide the holes in the tabs over the two Screw Posts from which they were disassembled. Now orient the APCO Cell with the APCO Power Connector Outlet and continue to slide the cell in until the tabs lock into place.

## Purification Plate

To reassemble the purification plate, carefully slide it back into the Purification Plate slot. Be very gentle when re-installing the plate. Do not force it into the slot as this could cause serious harm to your unit. However, ensure the Purification Plate is fully inserted.

## Filter Assembly

When re-installing the filter assembly, make sure the honeycomb layer is facing towards the unit. Ensure you place the three membranes back into the filter assembly in the correct order: Honeycomb, foam, then mesh. See picture below. When standing behind the unit, the honeycomb layer of the filter should face the back of the unit. Fit the filter assembly into the tabs, ensuring that they are connected properly. Once properly seated, screw the Filter Assembly back into place.



## Rear Cover

To reassemble the rear cover, simply align it with the tabs and screw back into place.

## Power Cord

Re-connect the power cord to unit then plug it into a wall outlet. Now you can turn the unit back on by pressing the Power button. The unit will automatically set to Normal Mode.

# MAINTENANCE/CLEANING

For best performance, clean your unit every 6 to 12 months, depending on the level of contaminants in your home or office.

**BEFORE ANY MAINTENANCE OR CLEANING ALWAYS POWER OFF AND UNPLUG THE UNIT!**

## Exterior Cleaning

If needed, wipe down the unit with a damp cloth and dry with a soft cloth.

## Cleaning the Filter Assembly

Make sure you clean each membrane of the filter separately (honeycomb, foam and mesh) with compressed air or water. Let dry and place them back into the filter in this order: Honeycomb, foam and mesh. Lastly, attach the rim onto the filter.

## Ionization Needles

Gently clean the ionization needles with a Q-tip soaked in rubbing alcohol.

## Purification Plate

Soak the Purification Plate in a 50/50 mix of warm water and clear ammonia or use a 50/50 mix of water and rubbing alcohol. Leave the plate in the solution mix for 2 hours. Next, gently scrub the Purification Plate's mesh with a soft bristled brush until you no longer see any debris. Rinse off, air dry and use a soft cloth to clean the Purification Plate contacts. Re-install Purification Plate into the unit.

## Cleaning the Interior

Gently clean the interior with a vacuum, a damp cloth, compressed air etc. after the unit has been disassembled.

## Changing the Fuse

The fuse is located next to the switch on the backside of the unit. Use a small flathead screwdriver and gently remove the fuse. One extra fuse is included. 110 volt models: Use 3.5 amp slow blow fuse.

# TROUBLESHOOTING

## Unit Won't Power On

Make sure the Power cord is properly connected to both the unit and the wall. Press the Power button to see if it displays on the air purifier's LCD screen. If it doesn't display, try turning the unit on with the remote control.

## The Unit is Powered On, but is not Purifying the Air

Clean the Purification Plate. Then, clean and check to make sure the contacts are touching the metal weave. To see if the unit is operational, turn off the lights in the room. Also, turn off the APCO light with your remote control and look for a purple or blue light glowing within the unit.

## The APCO Cell is not Giving Off a Light

Check to make sure the APCO power connector is properly installed. Also check if you have turned off the APCO light on your remote by clicking APCO.

## The Ionization Needles are Sparking

The needles need to be cleaned. Gently clean the needles with a Q-tip soaked in rubbing alcohol.

## The Fan is not Working

Disassemble the Front Turbine Grille to make sure nothing is stuck in the fan. Also, you can try switching the fan speeds.

## The Air Purifier Rattles when Moved

Check to make sure all screws are attached. Disassemble unit to ensure there are no loose parts in your unit.

For parts or service, go to [www.mediairpurifier.com](http://www.mediairpurifier.com) or call (800) 953-7228.

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