



Better Living



**Air Purifier with Ozone Generator and Ionizer
includes Remote**



ML4000D

(available in Cherry or Black)



1669 Puddingstone Dr.

La Verne, CA 91750

For questions or support please call:

United States: 1-800-629-3325

International: 909-568-2800

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This product is intended for Home Use Only.
Save these instructions for future reference.

What is the best way to clear pungent stubborn odors like cigar smoke?

1. Clear the room of people and animals.
2. Close all ventilation sources into or out of the room.
3. Place the Air Purifier in center of the room and plug it into the wall.
4. Turn the unit on.
5. Set the Fan Function to Level 5. (Maximum)
6. Turn on the Sterilizer (UV Lights) Function.
7. Turn on the Anion (Negative Ion) Function.
8. Set the Purify Function to the correct level for your room size. (Chart on Pg. 5)
9. Vacate and seal the room.
10. Allow the unit to run for one hour.
11. Check the odor level in the room.
 - a. If the offending odor has been removed:
 - Shut off the Air Purifier
 - Ventilate the area for at least one hour before occupying.
 - b. If the odor persists:
 - Turn the Purify Function up one level and repeat.

Where can I purchase Replacement Parts?

Over time dust, dirt, and bacteria can accumulate inside and on your Air Purifier. MicroLux recommends replacing or washing your filters at least once a year, or anytime they start to look dirty. Replacement filters, remote controls, and cords are available from your Authorized MicroLux dealer or by calling 800-629-3325.

Facts and Questions

What does the Air Purifier do?

It treats the air in your home or office by breaking down odor causing pollutants and dropping airborne particulates from your breathing space.

How does the Air Purifier treat the air?

The Air Purifier produces ozone and negatively charged ions, the same effective cleansing agents that nature uses to treat outdoor air.

How does the Air Purifier work?

The Air Purifier uses a 7 stage cleaning process:

1. Dust and debris are trapped in the washable pre-filter.
2. The HEPA filter traps airborne molecules as small as 0.3 microns.
3. The Photocatalytic Filter, activated by the UV Lights, kills microbes and viruses on contact.
4. The Charcoal Filter traps and neutralizes odors.
5. (Optional) Ceramic Ozone Plate produces Ozone to neutralize tough odors.
6. (Optional) The Dual Germicidal UV Lamps kill airborne germs.
7. (Optional) The Negative Ion Generator produces negatively charged ions to assist the Pre-Filter and HEPA filter in clearing the air.

Is Ozone safe?

Ozone occurs naturally all around you. Thunderstorms are nature's air purification system and produce large amounts of Ozone. Power plants, hospitals, and electric motors all produce Ozone every day. The levels of Ozone produced by your MicroLux Air Purifier are safe and approved for home use, but due to the irritation caused by Ozone we suggest the Purify Function only be activated when people and animals are not present. Allow the space to ventilate well for at least one hour before occupying to allow the Ozone levels to drop.

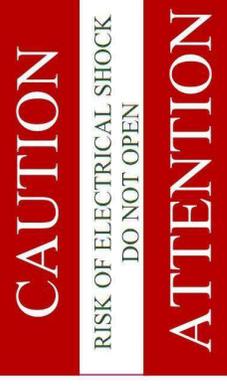
What does Ozone smell like?

Ozone produces a distinct smell that can best be described as the smell of the air after a thunder storm. Other people say they are reminded of the "clean" smell of a hospital.

Please read all of the information provided in this user's guide before operating your new air unit.

Caution

The Air filter, ozone and negative ionizer air purifiers are not medical devices. They are not intended for the diagnosis, prevention, treatment, cure or mitigation of any disease in humans or animals. They are not designed to affect the structure or function of any system in the body. If you have a health-related condition that requires medical attention, always consult with a licensed health care professional. A rule of thumb is to turn the purify setting off or down if the ozone smell is detected.



This "exclamation point" calls attention to a feature for which you should read the enclosed literature carefully to prevent operating and maintenance problems.



This "bolt of lightning" indicates that insulated material within your unit may cause an electrical shock. For the safety of everyone, do not remove product covering.

Caution: This unit 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 concerning use of the unit by a person responsible for their safety. Children should be supervised to ensure that they do not play with the unit.

Introduction

LCD display panel

Display's working status, time; with blue back light.

Fan Grill

Removable & Washable (Unplug Before Removing) (Dry Before Replacing)

Manual Buttons

Control the purifier by hand

Remote Control

Control the purifier at a distance



Safety Switch

Be careful when installing your filters to stand the Safety switch up behind the filters. The unit will **not** power on if the Safety Switch is pressed down flat towards the back.

Fuse w/spare

Your MicroLux Air Purifier comes equipped with a 2 amp safety fuse to prevent overloads. A spare fuse has been provided for you in the closed off portion. A small flathead screwdriver will be necessary for access.

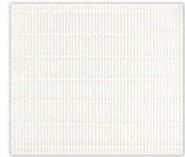
On/Off Switch - Plug Receptical

Place the female side of the cord provided into the receptical. The on/off switch has two positions, up is "ON" and will allow the unit to power up. Down is "OFF" and will not allow the unit to power up. Turn the unit "OFF" to clean, maintain, or transport it safely.

Pre-Filter



HEPA Filter



Photocatalytic Filter



Charcoal Filter



Ozone Plate



Cleaning and Maintenance

When the purifier no longer produces enough ozone to be effective, the ozone plate should be cleaned. A good rule of thumb is every month. Some environments cause ozone output to be reduced in a shorter time but other environments may take longer.

To clean a plate, first turn the unit **OFF** and **UNPLUG** it from the outlet. Remove the 4"x4" plates from back of unit. Pull plates 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 installing. If available you may use a hair dryer to dry the plate. Reinstall plate, making sure it is secured and flush with the back of the unit. Plug unit into a grounded electrical outlet, turn unit on and start enjoying clean, fresh air.

To clean needlepoint ionizer, first turn **OFF** and **UNPLUG** it from the outlet. Remove the fan grill cover. The needlepoint ionizer will be easy to find in front of the fan by looking for two pieces of wire. Take a q-tip or cotton swab dipped in alcohol and clean any dust that may have accumulated on the needlepoints. This process may be done when plates are being cleaned. While you have the front grill cover off the unit you may also clean the fan and grill itself. To clean the fan, simply wipe the blades with a damp cloth or vacuum. The grill cover may also be cleaned with warm soapy water. Be sure that the fan grill cover is completely dry before installing.

Troubleshooting

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

- Make sure plate is clean (see above).
- Unit is plugged in properly and turned on.
- 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 spare. Use 2 amp fuse, 1.25 inches long.
- Make sure the wall outlet is active.
- Check plate alignment making sure the ceramic plate is flush with back of unit.
- It is important that the Air purifier be properly grounded to avoid potential shock. If the fan is not operating or after cleaning the plate; no buzzing sound is detected on the high setting of the Ozone please contact your local dealer.

Caution: Turn Power Switch OFF to open the back panel of the unit to insert ceramic ozone plate or replace parts.

Warranty

Limited 1 Year Warranty

MicroLux will, at its option, either furnish a replacement part or replace your air purifier provided the product is determined to be defective as a result of faulty material or workmanship while in normal use. Replacement parts or units will, at MicroLux's option, be either new or refurbished.

MicroLux sole obligation under this warranty is to replace defective parts or replace the air purifier at no cost for the product only. Shipping and handling is the responsibility of the buyer.

To obtain warranty help call 800-629-3325, press option 4. This warranty is only valid if purchased from a Authorized MicroLux dealer. Proof of purchase must be presented to MicroLux's warranty service representative. All postage, insurance, and shipping charges are the responsibility of the customer and not included in this warranty.

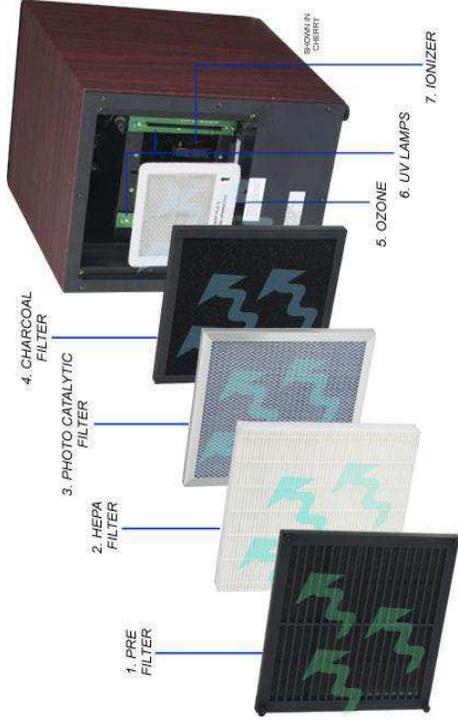
Disclaimers/Limitations

Your MicroLux Air Purifier must be operated in accordance with the instructions provided in this User Manual. This includes replacing the wearable filters no less than once a year to prevent excess stress on the motor. Your MicroLux Air Purifier must be connected to a proper power supply. Your MicroLux Air Purifier warranty does not cover damage as a result of tampering, mishandling, neglect, accidental damage, modification, and/or repair by anyone other than an Authorized MicroLux dealer.

Warranty is valid only for the original purchaser and is in lieu of all other warranties, express or implied including warranties of merchantability and fitness for a particular use or purpose. MicroLux sole liability with respect to defects in materials and workmanship of the Air Purifier shall be, at MicroLux's option, to furnish replacement(s) of the defective part(s) or replace the Air Purifier on the basis described above. MicroLux will not install any replacement parts it provides or provide labor with respect to the same. Except as stated above MicroLux shall have no liability, whether under a cause of action in tort, strict liability, contract, or otherwise, to any person for any claim, injury, loss, damage or expense (including any direct, indirect, special, consequential, incidental, punitive or exemplary damages) in any way arising out of or related to the air purifier or its use by any person.

Some states do not allow such limitations on implied warranty or how long an implied warranty lasts, exclusion or limitation of incidental or consequential or other damages, so any such limitations in MicroLux Limited Warranty may not apply to you. This warranty gives you specific legal rights. You may have other rights which vary state to state.

MicroLux "7 TYPES OF FILTRATION"



Filter

1. Pre-Filter
*Washable

2. HEPA Filter
*Replace Yearly or when dirty.

3. Photocatalytic Filter
*Lifetime Filter
No Maintenance Req.

4. Charcoal Filter
*Washable

5. Ozone Plate
*Washable

6. UV Lamps
*Lifetime Filter
No Maintenance Req.

7. Ionizer
*Lifetime Filter
No Maintenance Req.

Description

The carbon mesh pre-filter catches most dust and debris before it reaches the other filtration stages. Dust, pet hair, and other visible particles are cleared during this filtration stage

In the next filtration stage the HEPA filter removes solid particles as small as 0.3 microns. Allergens, contaminants, dust, and microscopic particles as small as the width of a human hair are removed during this filtration stage.

In the next filtration stage the TiO₂, titanium dioxide coated, filter reacts with the Dual UV light filters to produce electrons and ions. These attach to odor causing bacteria and chemicals and destroy them through oxidation.

In the next filtration stage the activated charcoal filter safely and effectively traps and removes odor causing particles to leave the air clean and fresh.

In the next filtration stage the Ceramic Ozone Plate (O₃, activated Oxygen) produces 5 different stages of ozone. Ozone bonds to odor causing particles neutralizing them in the air, on the walls, or in fabric. The ozone function is not necessary to use the other filtration stages. (Refer to Pg. 5 and Pg. 9 for further information regarding Ozone settings and safety information.)

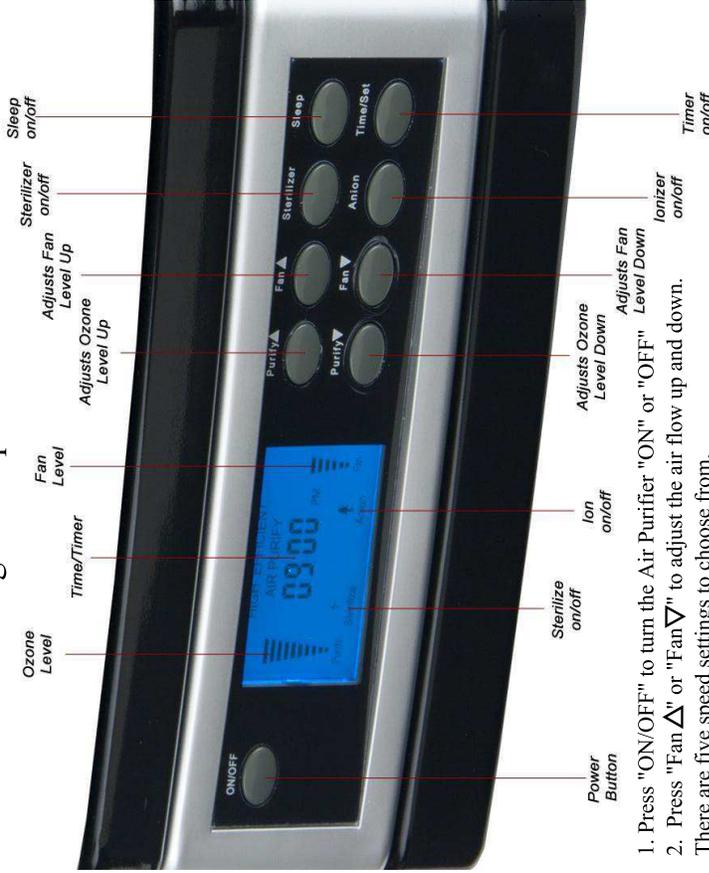
In the next filtration stage the dual UV germicidal lamps eliminate germs, mold, bacteria, and viruses on contact. UV light is an industry proven standard for maximum germ killing power.

***This function can be turned on and off, but is safe to run at all times.**

In the last filtration stage the dual point negative ion generator produces and circulates negatively charged ions. These ions bond with germs, dust, and allergens in the air allowing them to be more easily filtered from the air.

***This function can be turned on and off, but is safe to run at all times.**

Control Panel Settings and Operation



1. Press "ON/OFF" to turn the Air Purifier "ON" or "OFF".
2. Press "Fan ▲" or "Fan ▼" to adjust the air flow up and down. There are five speed settings to choose from.
3. Press "Purify ▲" or "Purify ▼" to adjust the Ozone level up and down. There are five levels to choose from. Use the chart below to choose the correct level for the room you are placing the unit in:

Level	Sq. Ft. Covered	Level	Sq. Ft. Covered	Level	Sq. Ft. Covered
1	0 - 600	3	1200 - 1800	5	2400 - 3000
2	600 - 1200	4	1800 - 2400		

*The Ceramic Ozone Plate must be installed for the Purify Function to operate properly, but is not necessary for the other filters to work properly.

*A buzzing sound will be heard when the Purify function is active. The sound will become louder when the level is increased.

*When the Purify function is active a distinct smell may occur. This is the smell of Ozone and is normal.

*Ozone is an excellent odor neutralizer, but is also respiratory irritant. It is recommended that you do not run the Purify function when people or animals are present.

*It is recommended that you run the ozone function for no longer than 1 hr at a time. Ozone levels will rise over time in an enclosed space. Ventilate the area well for at least 1 hr after completion.

4. Press "Sterilizer" to turn the Dual UV Germicidal Bulbs "ON" or "OFF".

*When the Sterilizer is active a blue light may be visible behind the fan. DO NOT stare at this light.

*When the Sterilizer is active the Photocatalytic Filter will also activate.

5. Press "Anion" to turn the Negative Ion Generator "ON" and "OFF".
- *When the Ion Generator is active an orange bulb will be visible behind the fan. DO NOT stare at this light.

6. Press "Sleep" to turn Sleep Mode "ON" or "OFF". Sleep Mode will dim the LCD Display and disable the Purify Function.

7. Press "Time/Set" to set the Clock or On/Off Timer.

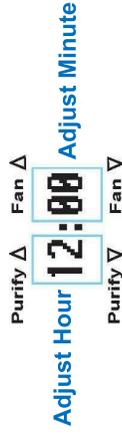
Setting the Clock

1. Press the "Time/Set" button twice in quick succession.
- *The time displayed will flash.

2. Press "Purify Up" or "Purify Down" to set the hour.

3. Press "Fan Up" or "Fan Down" to set the minute.

4. Press the "Time/Set" button once again to complete the process.



Setting the On/Off Timer

To Set "On" Timer

1. Press the "On/Off" Button to turn the unit "On".

2. Set the desired levels and functions you want to run when the unit turns on.

3. Press the "On/Off" Button to turn the unit "Off".

4. Press the "Time/Set" Button.

*The time displayed will flash.

5. Set the desired On Time per the "Setting the Clock" directions above.

6. Press the "Time/Set" Button two final times to complete the process.

7. When the "On" Timer is active a clock icon will appear on the LCD Display.

To Set "Off" Timer

1. Press the "On/Off" Button to turn the unit "On".

2. Press the "Time/Set" Button.

*The time displayed will flash.

3. Set the desired On Time per the "Setting the Clock" directions above.

4. Press the "Time/Set" Button two final times to complete the process.

5. When the "On" Timer is active a clock icon will appear on the LCD Display.

Finding a Good Location

- *Homes
- *Apartments
- *Kitchens
- *Bathrooms
- *Garages
- *Gardens
- *Laundry Rooms
- *Bedrooms

*Anywhere you need to neutralize odors, clear mold, clean the air, or kill germs!