

What is Activated Oxygen aka O₃ aka Ozone?

Ozone is a form of oxygen that has 3 atoms per molecule (O₃) rather than 2 atoms found in normal oxygen (O₂). It is one of the most powerful, natural disinfectants and oxidants, that purifies our air and water, helping to destroy viruses, bacteria, odors and other pollutants found in the air. Without ozone, nature could not purify our earth.

Remember that fresh sweet smell after a thunderstorm? Well, that's ozone! During a thunderstorm or when ultra violet rays reach the earth, normal oxygen (O₂) is converted to ozone (O₃), and is also known as "activated oxygen". When this electrical charge occurs, ozone works like a scrub brush, serving as a natural air purifier that cleans and decontaminates the air of natural pollutants. Since ozone is heavier than oxygen, it naturally falls back to the earth, bringing the pollutants with it. After a short while, the ozone reverts back to normal oxygen and the cycle starts all over again.

It makes sense then that the word "ozone" is derived from the Greek word "ozein", which means, "to smell".

So, why does ozone get a bad rap?

The ozone we hear about on the news needs an explanation. Let's talk about the different ways ozone is created and where.

We've all heard about the ozone layer in the upper atmosphere of the earth. This ozone layer contains the highest concentration of ozone and has an important biological function. It affects the ecosystem of the oceans and protects humans and animals from the harmful UV-B rays of the sun. When this protective layer is reduced or depleted, it has dramatic consequences on life. Imagine the ozone layer as the earth's protective umbrella, helping to keep the radiation levels of ultra-violet light (UV) from the sun down to a minimum, thus reducing the risk of skin cancer and other harmful effects of radiation.



In the lower atmosphere, ozone develops when pollutants react chemically in the presence of sunlight. What is commonly called "ozone" in referring to the ground level air quality is really a mixture of various toxic hydrocarbons, not ozone.

The kind of ozone we're talking about is the ozone that is created from an electrical charge made by lightning strikes during thunderstorms.

Can we live without ozone?

If nature didn't produce ozone, there would be no life on Earth. Nature is designed to keep the outdoors clean and healthy.

What about the air indoors?

Because the buildings we live and work in are designed so well to keep the elements of nature out, there is normally very little ozone in our indoor spaces where we spend nearly all of our time. Studies have shown that being indoors can actually be more unhealthy than being outdoors because of all the man-made chemicals we live with.

Can ozone be used indoors?

Yes. Since ozone can break down outdoor airborne contaminants, ozone is able to break down a wide variety of indoor pollutants, called "particulates", which are very small solid or liquid substances that are light enough to float suspended in air like perfumes, food smells, cigarette and cigar smoke, even dirty socks and animal odors, insect allergens, viruses, bacteria, molds and other airborne particulates. You can see these particulates floating in the air when a ray of sunshine enters a window.

Can the benefits of ozone be utilized for human use?

Yes. Using an ozone generating, air purifying unit, natural ozone (activated oxygen) has been electrically replicated to simulate the effects of lightning and ultra violet light that disinfects your environment of pollutants. You may not know this, but ozone is injected in nearly all bottled waters for purification and is widely used in Europe for treating municipal water supplies and even in food packaging. Since ozone can be utilized for cleaning nearly all air environments on some level or another, the issue is not whether to use ozone, but to make sure that ozone is used in a manner that is both safe and effective indoors.



"The Ultimate in Purification and Filtration Technology."

OWNERS MANUAL

READ ME FIRST



Nature's own process just got 6 times better.

PLATINUM ((AIR))

PURIFICATION SYSTEM

"The Ultimate in Purification and Filtration Technology."



Nature's own process just got 6 times better.

Product Features:

- ◆ Filtration and Purification Features...not reliant on one process
- ◆ Four Speed Fan
- ◆ Compact yet powerful...no larger than a bookshelf sized audio speaker
- ◆ Room size selection...five level adjustable purifier (activated oxygen)
- ◆ Control tailors output up to 3,000 square feet of coverage
- ◆ Easy to read LCD panel
- ◆ Manual Control and Remote Control
- ◆ Digital Clock
- ◆ Digital Timer Function
- ◆ Safety Switch (disables unit unless filters are properly installed)
- ◆ Uses standard household current
- ◆ Attractive Wood Grain Finish
- ◆ Washable and Replaceable Dirt, Dust & Debris Pre-Filter
- ◆ Washable and Replaceable Hospital Grade HEPA Filter
- ◆ Washable and Replaceable O3 Purification Plate
- ◆ Washable and Replaceable Photo-Catalytic Filter
- ◆ Replaceable UV Ultraviolet Cartridge
- ◆ "Sleep" Mode dims the bright LCD panel to a minimum level allowing a good night's sleep. Also disables O3 output.

PLATINUM PROCESS TECHNOLOGY

Platinum Air Purifier and Sterilizer combines the best and most modern technologies available today to cleanse the air of 99.9% of all airborne pollutants. Not just a filter...not simply a purifier... Platinum Air is the best of both worlds.

Pollutants and odors have no chance against Platinum Air...here's what they're up against:

- DIRT, DUST & DEBRIS PRE-FILTER
- UV2 ULTRAVIOLET STERILIZATION
- PHOTO-CATALYTIC FILTER
- ACTIVATED OXYGEN (O3) (PURIFY)
- NEGATIVE IONS (ANION)
- HOSPITAL GRADE HEPA FILTER

DIRT, DUST & DEBRIS PRE-FILTER:

This initial stage traps large particles such as dirt, dust and debris.

HOSPITAL GRADE HEPA FILTER:

With a filtration rate of 99.7%, it can capture microorganisms, bacteria, mold and viruses below 0.3 microscopic particles. Washable.

UV2 ULTRAVIOLET CARTRIDGE

Mimics the Sun's sanitization properties. Artificial UV energy has proven to be 1,600 times more effective than the sterilization effect of the sun in killing viruses and bacteria, mold spores, mildew bacteria and other airborne antigens and pathogens.

PHOTO-CATALYTIC FILTER:

The Photo-Catalytic Filter oxidizes toxic fumes and decomposes odorous substances into odorless carbon dioxide and water. Removes airborne bacteria and deactivates viruses.

ACTIVATED OXYGEN (O3) (PURIFY):

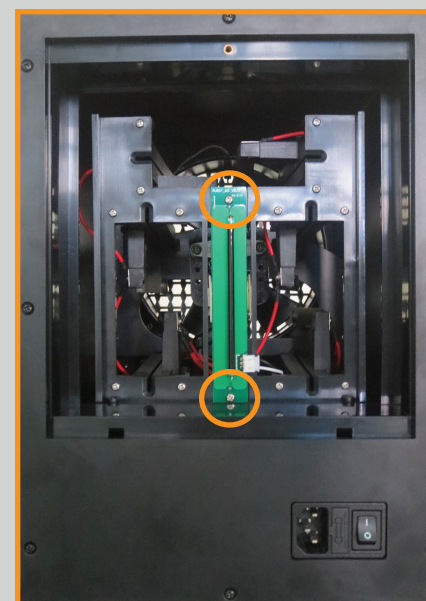
Oxidizes airborne particulates such as perfumes, food smells and cigarette smoke. Converts these pollutants to O2 (pure oxygen).

NEGATIVE IONS (ANION):

Produces negatively charged electrical particles that attach themselves to particulates in the air (positive ions), rendering them heavy enough to fall to the ground and out of the air we breathe.

REPLACEMENT OF THE UV CARTRIDGE :

NOTE: RUNNING THE STERILIZATION PROCESS 24/7 WILL DECREASE THE LIFE OF THE CARTRIDGES SOONER. SEE TREATMENT WORKSHEET FOR PROPER USES.

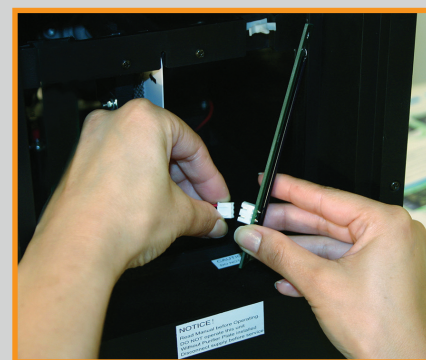


The UV cartridge requires no standard maintenance; however, like any light, it will need replacement from time to time.

The UV cartridge is held in place by 2 Phillips head screws (see left diagram).



Use Phillips screwdriver to remove screws while gently pulling the cartridge to release.



Carefully remove the circuit connector found on the back side by pulling gently. Do not use the wires to pull the connector off.

Replace with factory UV cartridge. Turn on the unit and test by checking to see if you notice the glow from UV light from the front of the unit. It is easier to see if the room is dim.

Replacement filters, ceramic O3 plates, and UV cartridge are available from your Platinum distributor. These items are not covered under the warranty.

THREE COMMON "TROUBLESHOOTING" TIPS

"My unit does not turn on"

- Check that unit is plugged into an active outlet. Be certain that the power cord is completely inserted into the receptacle at the back of the unit.
- Be certain that the rear power switch is in the "On" position.
- Check to see if fuse needs to be replaced (see rear diagram). Make sure all filters are properly installed.

"I'm running the 'OZONE' mode but still smell pet and food odors"

- Check to see if the ceramic purification plates are cracked or broken.
- Be certain that the unit is placed at an adequate elevation (minimum three feet above floor).
- Check to see if the ceramic purification plates are securely placed in the slots.
- Check that the plates are clean (refer to "General Maintenance" section of "Owners Manual").

"There is no "soft blue glow" when running the "UV/ANION" feature"

- Check that the UV cartridge is properly locked into position.
- Make certain that the UV cartridge is connected to the circuit connector (see diagram).

PLATINUM AIR PURIFIER LIMITED THREE YEAR WARRANTY

This Warranty gives you specific, legal rights, and you may also have rights which vary from state to state.

With the exception of damages resulting from (Platinum Air) failure to comply with any obligation under Federal or State Warranty Law, Warrantor, Platinum Air, hereafter (Platinum Air) shall NOT BE LIABLE TO THE PURCHASER OR ANY OTHER PERSON FOR ANY DAMAGES BY REASON OF INJURY TO ANY PERSON, DUE TO ANY DEFECT OR THE MALFUNCTION OF THE PURIFIER OR ANY PART OR PARTS THERE, OR FOR ANY OTHER REASON. Some states, however, do not allow the exclusions or limitation on incidental or consequential damages, so the above limitations or exclusion may not apply to you. THE OBLIGATIONS OF PLATINUM AIR HEREIN ARE EXPRESSLY GRANTED IN LIEU OF ALL WARRANTIES, WHETHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND SHALL BE EFFECTIVE FOR 3 YEARS FROM THE DATE OF ORIGINAL PURCHASE OF THIS PURIFIER. ALL IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE ARE LIMITED TO THE TERM OF THE EXPRESS WARRANTY GRANTED HEREIN. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. A unit returned for repair after the warranty period or a unit that shows damage, for which Platinum Air is not responsible, will be repaired for a reasonable charge as determined by Platinum Air. There will be 3 attempts made to advise purchaser of the cost of repair or replacement before proceeding. All repair charges must be paid prior to return. The product should be delivered to Lake Industries at 7735 Commercial Way, Henderson, NV 89011. All transportation charges and shipping expenses are the purchaser's responsibility. Platinum Air, warrants to the original purchase of this purifier unit that should it prove to be defective by any reason of improper materials or workmanship: (a) For 90 days from the date of original purchase from an authorized distributor, the warrantor shall provide the repair or replacement with equal or similar product of equal value without charge to the consumer. (b) For 3 years from the date of the original purchase from an authorized distributor, the warrantor will repair any defective part without charge for the part. The consumer will be charged for labor. Warranty Restriction: (a) opening the unit will void the warranty. (b) This warranty is invalid if the factory-applied serial number has been altered or removed from the product. (c) This warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, or modification of or to any part of this product. (d) This warranty does not cover damage due to improper operation or maintenance, connection to improper voltage supply, or attempted repair by anyone other than a facility authorized by Platinum Air. (e) Coverage for your unit terminates if you sell or otherwise transfer the unit. Warranty Service: To obtain warranty service, consumer must; (a) Provide proof of purchase in the form of a Bill of Sale or receipted invoice from the authorized distributor, evidence unit is within the warranty period. (b) Ship the unit, insurance and freight or postage prepaid, in either its original packaging or packaging affording an equal degree of protection, to Platinum Air.

GENERAL MAINTENANCE

Periodic maintenance of your Platinum Air Purifier and Sterilizer is important. A good rule of thumb is to give your unit a "once-over" every 30-40 days to ensure continued optimal performance.

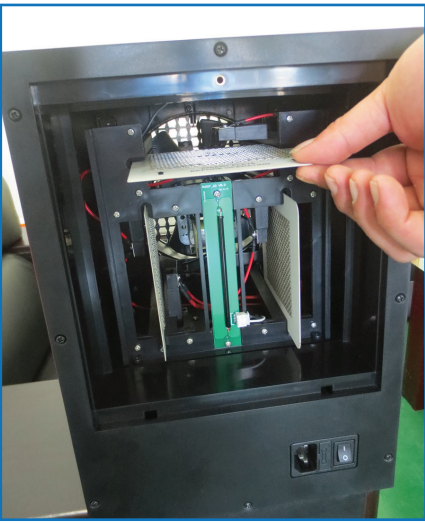
IMPORTANT: Disconnect power cord from both unit and wall prior to performing any maintenance function.

CLEANING THE PRE-FILTER, HEPA FILTER AND PHOTO-CATALYTIC FILTER:

When visibly dirty, remove the filters and the photo-catalytic filter from the unit (see rear diagram) and, with a hand-held vacuum, remove accumulated particulate matter. Depending on usage, it is recommended to wash these filters every 3-6 months using hot water, brushing gently with a toothbrush to remove particulates. Allow filters to dry thoroughly before re-installing.

NOTE: DO NOT use soap or detergent as it will damage the matter in the filters.

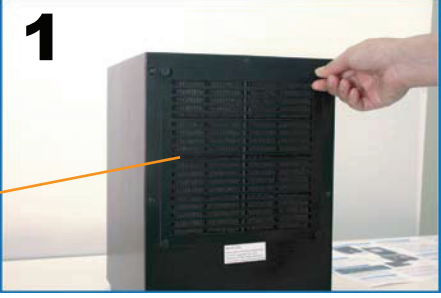
CLEANING THE ACTIVATED OXYGEN O3 PLATES:



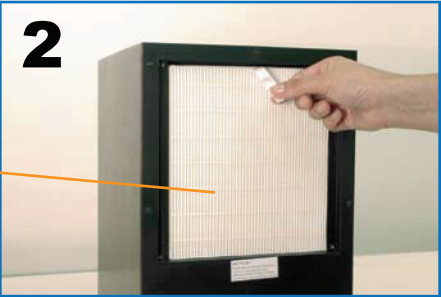
Remove the Pre-Filter, HEPA filter and PhotoCatalytic filter. Carefully remove the white purification plates from their card slots by grasping the end and pulling straight out carefully. Clean the plates with a stiff brush using a 50/50 solution of ammonia and hot water. Rinse plates in warm water and dry thoroughly, preferably with a hair dryer, before re-installing.



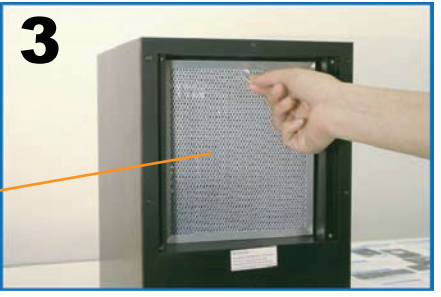
FILTERS ARE REMOVED IN THIS ORDER



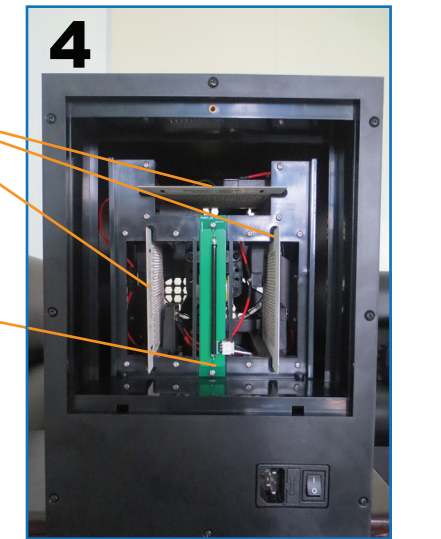
Dirt, Dust & Debris Pre-Filter



Hospital Grade HEPA Filter



PhotoCatalytic Filter



Activated Oxygen O3 Plates (X3)

UV Cartridge



AIR TREATMENT WORKSHEET

This sheet will assist you in deciding which process is ideal for treating the precious air you breathe.



- Dirt, Dust & Debris Pre-Filter
- Hospital Grade HEPA Filter
- UV2 Ultraviolet Sterilization
- Photo-Catalytic Filter
- Activated Oxygen Purification
- Negative Ions (Anionization)

Ideal for general everyday use at home or in the office



- Gases
- Smoke
- Microorganisms
- Bacteria
- Allergens
- Micro-Particles

Dirt, Dust & Debris Pre-Filter HEPA Filter



To freshen up living spaces for everyday use, simply adjust FAN setting according to room size. Larger rooms use higher FAN settings.

Ideal for purifying bathrooms, bedrooms & closets



- Odors
- Perfumes
- Food smells
- Cigarette odor
- Mold Spores
- Pet Dander & Odor

Activated Oxygen Purification



To Purify areas, such as bathrooms and closets, use highest OZONE and FAN settings in short time periods in unoccupied spaces.

Ideal during cold and flu season



- Viruses
- Bacteria
- Mold Spores
- Mildew
- Bacteria
- Antigens
- Pathogens

UltraViolet Sterilization



To Sterilize areas, such as bedrooms and living spaces, use UV. FAN setting depends on size of room. Larger rooms use higher settings.

Ideal during remodeling, painting or spring cleaning



- Gases
- Toxic Fumes
- Chemical Fumes
- Odorous Substances
- Carbon Dioxide
- VOCs

PhotoCatalytic Oxidation



The Photo-Catalytic Oxidation is activated by the UltraViolet Light. This oxidation process is automatically activated when UV is on.

Ideal during dusting and vacuuming



- Smoke
- Dust
- Heavy Particles
- Pollen
- Pet Dander

Anionization



Use POWER/ANION during dusting and vacuuming or when particles are heavy or visible such as smoke and dust. POWER/ANION is also recommended for a better night's sleep.

Presenting the **PLATINUM AIR PURIFIER AND STERILIZER**

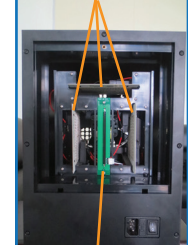
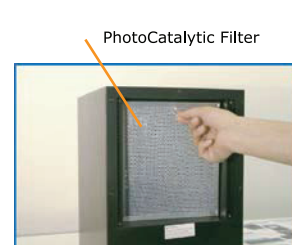
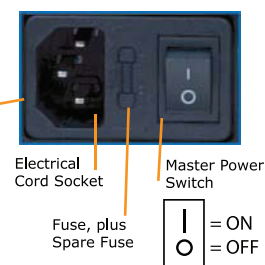
Congratulations on your purchase of the Platinum Air Purifier and Sterilizer! We hope you enjoy your purchase for years to come. We assume that you are brilliant in order to have made this investment in your health but still must remind you of some basic operational safeguards.

- This unit employs a grounding type (3 prong) plug which will only fit into a grounding type power outlet. Do not attempt to bypass this feature by altering the plug in any fashion.
- Do not use outdoors or on wet surfaces.
- Do not use with damaged cord or plug.
- Do not unplug by pulling on cord. Grasp the plug, not the cord.
- Do not operate this unit in areas where flammable or combustible products or vapors may be present.
- Always turn "off" and unplug unit prior to performing maintenance.



INSPECTION AND INSTALLATION

Rear Diagram



1. Remove unit from shipping carton and discard all protective packing materials.
2. Remove filters (3) from rear of unit (see **Rear Diagram**) and check for the following:
 - White ceramic purification plates are intact and unbroken.
 - UV cartridge is intact and unbroken.
3. Determine a location for your unit(s). Allow a **minimum of six inches** between the back of the unit and the wall to allow proper airflow. Elevated placement is preferred as activated oxygen (O3) is heavier than air.
4. Plug unit into an appropriate (three prong grounded) outlet. Be sure that the power switch on **rear of unit** is in the "ON" position.
5. Install 2 AAA batteries into remote control. (batteries not included)

Dirt, Dust & Debris Pre-Filter

Electrical Cord Socket
Fuse, plus Spare Fuse

Master Power Switch
I = ON
O = OFF

Hospital-Grade HEPA Filter

PhotoCatalytic Filter

Activated Oxygen O3 Plates (X3)

UV Cartridge

OPERATION, SETTINGS, AND CONTROLS



1. Be sure the power switch on the back of the unit is turned "ON". Manually, or with the remote control, turn unit "ON". (Power/Anion) "Anion" controls the dispersal of negative ions. As long as the unit is "ON", negative ions are being generated, removing dust and particulate matter from the air.
2. Press "Fan Δ " or "Fan ∇ " to adjust airflow speed. There are four speeds from which to choose. These buttons are also used to set or adjust the time (see page 4).

3. Press "Ozone Δ " or "Ozone ∇ " to adjust the level of activated oxygen (O3). Use the chart on page 4 to determine the proper setting for the area to be purified.

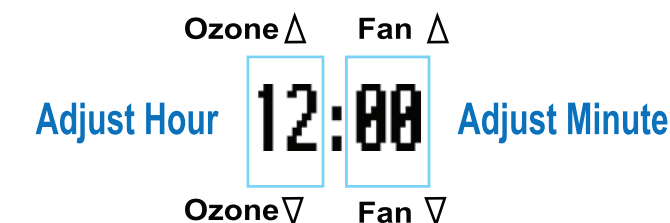
4. Press the "UV" button. "UV" controls the UV lamp and sterilizing feature and works in conjunction with the TiO2 photo-catalytic filter. You will know that this feature is activated from the blue UV indicator light on the front of the unit above the buttons.

5. "Time/Set" is used to set and adjust the unit's display time and the optional unit and ozone purification timers described in detail on the following page. Whether you use the optional timer functions or not, it is recommended to set your unit to the proper time.

| Purifying Stage | Display | Active Area (square feet) |
|-----------------|-----------|---------------------------|
| Stage 1 | Ozone I | 0-750 |
| Stage 2 | Ozone II | 750-1500 |
| Stage 3 | Ozone III | 1500-2250 |
| Stage 4 | Ozone IV | 2250-3000 |

SETTING THE CLOCK AND DIGITAL TIMERS

To set the clock to the current time, press the "Time/Set" button. You will now see the hours and minutes flashing. While flashing, press "Fan Δ " or "Fan ∇ " to set the hour and "Ozone Δ " or "Ozone ∇ " to set the minutes. Press the "Time/Set" button one final time to conclude the process. NOTE: Your Platinum Air Purifier and Sterilizer works on a standard, 12 hour, AM/PM clock.



Your Platinum Air Purifier and Sterilizer gives you the option to start or shut down both the unit and its purification (Ozone) feature automatically using the digital timer...

To set the "start" time:

Set unit to desired functions and levels. Press the "Time/Set" button twice. You will see "Unit Timer/On" flashing on the screen. While flashing, press "Fan Δ " or "Fan ∇ " to set the hour and "Ozone Δ " or "Ozone ∇ " to set the minutes.

To set the "shut down" time:

Once the "start time" process is finished, press the "Time/Set" button again. You will see "Unit Timer/Off" flashing on the screen. While flashing, press "Fan Δ " or "Fan ∇ " to set the hour and "Ozone Δ " or "Ozone ∇ " to set the minutes.

To Set The "Purification (Ozone)" Start Time. This is an optional function that can be automatically programmed while setting the unit "start" and "shut down" times

Press the "Time/Set" button four times. You will see "Ozone Timer/On" flashing on the screen. While flashing, press "Fan Δ " or "Fan ∇ " to set the hour and "Ozone Δ " or "Ozone ∇ " to set the minutes.

To Set The "Purification (Ozone)" Shut Down Time

Once the "purification (ozone)" start time process is finished, press the "Time/Set" button again. You will see "Ozone Timer/Off" flashing on the screen. While flashing, press "Fan Δ " or "Fan ∇ " to set the hour and "Ozone Δ " or "Ozone ∇ " to set the minutes.

Activating Timers

To activate the "start" and "shut down" timers for the unit, press the "Unit Timer" button once. To activate the automatic start and shut off time of the purification (Ozone) function, press the "Ozone Timer" button once. Please note that the timer lights will flash until the pre-set time is reached. Lights will no longer flash when the timer function engages.

IMPORTANT NOTES:

The automatic on/off settings for the purification (Ozone) feature must fall within the start and shut down settings of the unit timer. For example, if you have your unit set to automatically start at 9:00 AM and shut down at 11:00 AM, the start and shut down times for the purification feature must be set within that time frame.

No matter if the unit is on or off, you can set the clock time and automatic start and shut down times. However, if the unit and purification timers are engaged, no clock or timer changes are possible.

Regardless of whether the unit is in manual or automatic setting mode, please remember that the "sterilize" (UV) feature, fan speed and ozone levels are separate controls and must be adjusted independently either on the display panel itself or by using your remote controller.

Unplugging the unit will automatically cancel any clock and timer settings you have in place. Simply start the process over as indicated above.

The unit clock goes into "sleep mode" 30 seconds after any change.