

# **AIR PURIFIER**

**MODEL 300/CHO**

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## **USER GUIDE**

Because You Care,  
Clean the Air

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

## WARNING

This air unit is not a medical device. Do not stop or alter any medical therapy programs or medications without the advice of your physician. Excessive ozone concentrations may cause mucous membrane or respiratory irritation.



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.

## Q. What is an ozone alert?

A. Ozone alerts in cities are a result of the high pollution levels of hydrocarbons produced by the burning of fossil fuels. When ultraviolet rays from the sun strike hydrocarbons, O<sub>3</sub> is one of the by-products. Ozone is easily detected and is sometimes used as a reference point for the level of pollutants.

## Q. How does it compare to air filters?

A. Air Purifier does not rely on the air to actually pass through the machine to be cleaned like air filters. It's not a filter at all. Air Purifier produces both activated oxygen, which reduces odors and negative ions, which settle out particulate.

## Q. Is ozone safe?

A. Yes, but moderation is the key. Ozone in very high concentrations can be irritating to mucous membranes and the respiratory system. We recommend you set the O<sub>3</sub> dial properly. Before using the Air Purifier you should read the enclosed instructions carefully. Refer to Using a Timer section.

## Q. Where should I place the Air Purifier in my home or office?

A. The Air Purifier should be placed in the room where you have the most pollutants. The Air Purifier is easy to move so you might want to try it in a couple of locations to help decide what works best for your environment. An elevated location is better to distribute ions and activated oxygen more evenly. Air Purifier works best if it is placed within 10 feet of a cold air return.

## Q. How long will the Air Purifier last?

A. The Air Purifier is made of stainless steel and solid wood construction. Because of the quality material and superior craftsmanship that goes into each Air Purifier you will enjoy it for many years.

## Q. Is it difficult to install?

A. No. Just install O<sub>3</sub> plates (located in separate box packaged inside the carton), plug it in and set the dial for the area you will be treating. Install the Air Purifier in any room, but try to find a place where it can be up off the ground four feet or more. Some customers prefer to have more than one unit to better control levels of activated oxygen in the home.

## COMMONLY ASKED QUESTIONS

### Q. What does the Air Purifier do?

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

### Q. How does the Air Purifier treat the air?

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

### Q. How does the Air Purifier work?

A. It is a three-stage process

1. The Air Purifier uses a needlepoint ionizer to drop dust, smoke and other harmful particles from the air we breathe. In our homes and offices there is a lack of negative ions and an abundance of positive ions. The buildings we spend most of our time in block out the natural occurring negative ions. The Air Purifier recreates the natural balance of positive to negative ions to significantly reduce airborne particulate.
2. The Air Purifier uses electricity to split oxygen O<sub>2</sub> molecules into single O<sub>1</sub> atoms, which attach loosely to other O<sub>2</sub> molecules to become O<sub>3</sub> (activated oxygen). This loosely attached oxygen atom is unstable and seeks to bond with chemical compounds and other odor causing pollutants in order to oxidize them.
3. With ultraviolet light to destroy microorganisms such as bacterial, mold and viruses and remove bad smells in the air.
4. HEPA filter can capture particles below 0.3 microscopic particles such as radioactive dust in atomic plants. HEPA filter is a mainstay in areas that require clean air such as hospitals, clean rooms, and high-tech manufacturing plants.

### Q. How does nature produce ozone?

A. Ozone is created electrically during active thunderstorms. The electrical discharge creates a fresh sweet smell. The ultraviolet rays of the sun striking hydrocarbons in our atmosphere also create ozone.

### Q. How does nature produce ions?

A. Waterfalls, lightning, and the waves of the ocean all create negative ions.

**Congratulations** on your purchase. You have obtained a state-of-the-art air purification system with wood cabinetry and a high quality laminated surface. Only the finest materials surround the finest air purification technology. We hope that you will enjoy your purchase for years to come.

Read **ALL** instructions carefully before using this product

### FOR YOUR RECORDS

Please record the model and serial number below, for easy reference, in case of loss or theft. These numbers are located on the back panel of your air purification unit. Space is also provided for other relevant information.

Model number \_\_\_\_\_

Serial Number \_\_\_\_\_

Date of Purchase \_\_\_\_\_

Purchased From \_\_\_\_\_

## Understanding the Air Purifier (Front View)



### PART FUNCTION

LCD display panel	Display working status, time; with blue backlight optional.
Remote Controller	To control the working status of air purifier
Manual Button	Control the air purifier by hand
Fan Grill	Removable fan grill. Wash with warm soapy water, dry completely before replacing. <b>(Unplug unit before removing)</b>

*Control for the negative ion generator is separate from the O<sub>3</sub> control. Negative ions can be created around the clock to keep down dust and particulate.*

*O<sub>3</sub> also known as activated oxygen is normally kept at modest levels in occupied spaces. To remove heavy odors, the units may be adjusted to a higher level for a period of time. Some use a timer to completely deodorize the home or office while away. Unused O<sub>3</sub> reverts back to O<sub>2</sub> in about an hour.*

## CLEANING & 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** from outlet. Then 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** from outlet. Remove the fan grill cover. The needle point 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 careful 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 1 amp fuse, 1.25 inches long.
  - Wall outlet is active
  - Check plate alignment making sure the ceramic plate is almost 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 O<sub>3</sub>, please contact your local dealer.

**Caution: Turn off Power Switch if you want to open the back panel of the unit to insert ozone plate or replace parts.**

## USING A TIMER

Some users who are sensitive to ozone set their units up on a timer so that the purifier does its work only when they are away from home. This allows for a higher setting and higher concentrations, which can be more effective for purging purposes. The ozone will normally dissipate in less than an hour after the purifier is turned off. Simple timers plug into an outlet and are available at hardware and variety stores.

## WHERE TO USE?

- |  |   |
|--|---|
| <input type="checkbox"/> Homes & Living Areas          | <input type="checkbox"/> High pollen environments     |
| <input type="checkbox"/> All types of offices & stores | <input type="checkbox"/> New carpet furniture & Rooms |
| <input type="checkbox"/> Water & fire damaged areas    | <input type="checkbox"/> Kitchens                     |
| <input type="checkbox"/> New paint & wallpaper areas   | <input type="checkbox"/> Attics & basements           |
| <input type="checkbox"/> Odor clean-up                 | <input type="checkbox"/> Laundry rooms                |
| <input type="checkbox"/> "Sick" buildings              | <input type="checkbox"/> Doctors' offices             |
| <input type="checkbox"/> Hospitals & nursing homes     | <input type="checkbox"/> Day care centers             |
| <input type="checkbox"/> Veterinary offices            | <input type="checkbox"/> Stables & aviaries           |
| <input type="checkbox"/> Smoking areas                 | <input type="checkbox"/> Locker rooms                 |
| <input type="checkbox"/> Hotel rooms                   | <input type="checkbox"/> Restaurants & bars           |

## SERVICE

Should you determine that your air unit requires service, please contact your local dealer.

## WARRANTY

## Understanding the Air Purifier (Back View)



## PART

## DESCRIPTION

Plate receiver slot	Allows insertion and removal of ceramic plates for cleaning
Power Cord	120 Volt grounded cord (unless otherwise specified). DO NOT bypass ground wire cord.
TiO <sub>2</sub> Photo-catalytic Filter	Photo-catalytic filter can be replaced very easily. It is long lasting and does not need replace often.
Ceramic Plate	Removable ceramic plate. Wash with ammonia & water using a stiff brush or toothbrush. Rinse thoroughly and dry completely before replacing.
HEPA filter	HEPA filter can be replaced by taking off the screws. Its lifetime is one year.
UV light	365µm wavelength, replaceable by authorized technician.

**NOTE:** As you stand in front of the unit the ionizer will create a slight charge. If you then touch a metal object there may be a static electric discharge similar to touching a doorknob in winter.

## OPERATION / SETTINGS AND CONTROLS



1. Manually, or with remote control, turn unit “on”.
2. Press “Fan “ or “Fan “ to adjust airflow speed. There are five speeds from which to choose.
3. Press “Purify ” or “Purify ” to adjust the level of activated oxygen (O3). There are five stages. Use the following chart to determine the proper setting for the area to be purified.

Purifying Stage	Display	Active Area (square feet)	Purifying Stage	Display	Active Area (square feet)
Stage 1	Purify I	0-600	Stage 4	Purify IV	1800-2400
Stage 2	Purify II	600-1200	Stage 5	Purify V	2400-3000
Stage 3	Purify III	1200-1800			

4.”Sterillize” controls the UV lamps and photo-catalytic filter. You’ll know that this feature is activated from the soft blue glow visible through the front grill. Press this button to both activate and de-activate this feature “**Don’t stare directly at the blue light.**”

5.” Anion” controls the dispersal of negative ions. You’ll know that this feature is activated as the orange bulb will be lit and clearly visible through the front grill. As with the “Sterilize” feature, this button can both activated and de-activate the negative ions

6.”Sleep” mode dims the LCD panel to a minimum level allowing for a good night’s sleep when the unit is used in the bedroom. It is important to note that use of “Sleep” mode does interrupt the Activated Oxygen setting but leaves all remaining settings in tact.

7. **Proper Installation of photo -catalytic filter and HEPA filter.** Please be reminded if you want to insert a ozone plate into the unit then reinstall the photo-catalytic filter and HEPA filter, you should install it according to the pictures indicated below, otherwise, the unit does not work.



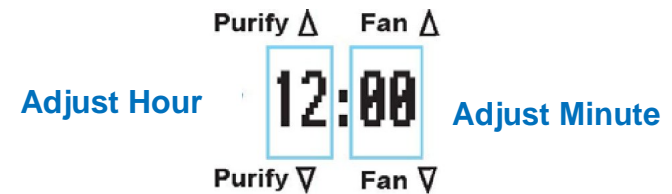
Wrong



Correct

## SETTING THE CLOCK AND DIGITAL TIMER

To set the clock to the current time, press the “Time/Set” button **twice** in quick succession. The “Time” indicator will flash. While flashing, press “Purify up” or “Purify down” to set the hour. Press “Fan up” or “Fan down” to set the minutes. Press the “Time/Set” button one final time to conclude the process. NOTE: The Air Purifier and Sterilizer employ a US standard 12 hour clock.



Your Air Purifier gives you the option to start or shut down the unit using the digital timer feature...

### To set the “start” time:

Set Unit to desired functions and levels. Then turn unit off using the “ON/OFF” switch on the front display (rear power switch remains “on”). Press “Time/Set” button once. The “Time/Set” indicator will flash. While flashing, use “Purify up” or “Purify down” controls to set the desired hour and “Fan up” or “Fan down” controls for the desired minute to set the time of day you wish the unit to automatically turn on. Press the “Time/Set” button two final times to set the timer. The appearance of a clock icon on your LCD panel indicates that this function has been properly set.

### To set the “shut off” time:

While unit is on press “Time/Set” button once. As with previous timer function, “Time/Set” display panel indicator will flash. While flashing, use “Purify” and “Fan” controls to set desired hour and minute per previous examples. Press “Time/Set” button twice to conclude this process. As before, the clock icon appearing on the LCD panel is your indicator that this function has been properly set.