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Air-7000/Air-3500 Operating Manual



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Important Safety Information

READ AND FOLLOW ALL INSTRUCTIONS

- Before using this product, read the instruction manual carefully.
- Do not cover the air inlets/outlets of the unit. Improper ventilation will result in mechanical failure.
- Store the ozone generator in a cool and dry area.
- Do not take the ozone generator apart. Even though the power supply is 110V or 220VAC, this unit creates a very high voltage. If mechanical failure occurs, return the unit directly to the manufacturer for repair.
- Do NOT breathe in ozone directly.
- DO NOT open the protective casing. There is a risk of electric shock. If there is a problem, contact the manufacturer immediately.
- If room is occupied, DO NOT allow the unit to run for more than 1 minute for every 100 square feet. Ozone levels will exceed OSHA recommendation.
- DO NOT enter the unoccupied room until the designated time is completed. Make sure the room is properly ventilated (for example: opening windows) once the generator has finished.

PLEASE SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

In Accordance with California Regulations – This Ozone Generator is Solely for Industrial Use and Must be Installed by a Professional.
Potential Health Hazard: Emits Ozone.

Technical Specifications

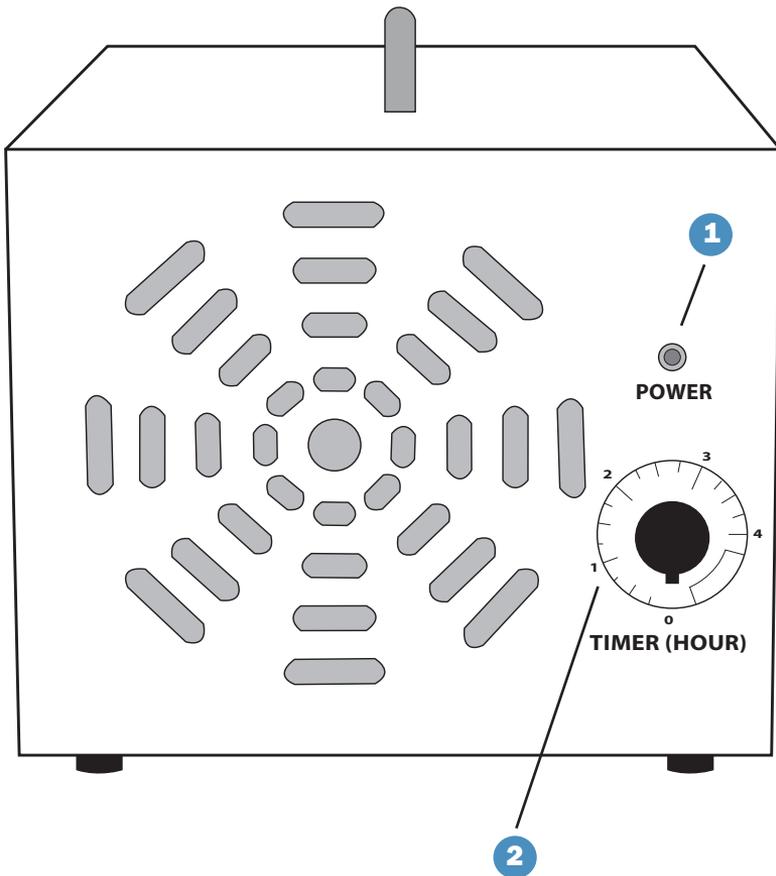
Items Included:

1. Air-7000/Air-3500 ozone generator
2. Air-7000/Air-3500 operation manual
3. Spare fuse (3 AMP)

Model	Air-7000	Air-3500
Voltage	110/120 or 220/240 VAC, 50/60 Hz	
Power	135W	95W
Ozone Output	7 g/hour	3.5 g/hour
Timer	0-4 hours	
Air Flow Rate	442 M3/H	
Dimensions	10.6 x 8.2 x 7 inches	9 x 7.6 x 7.1 inches
	271 x 208 x 177 millimeters	230 x 195 x 181 millimeters
Weight	4.19kg	3.43kg
	9.23 lbs	7.59 lbs

Air-7000/Air-3500 Features

1	Power Light	Indicates when there is power to the unit. If the power is supplied, the light will remain a solid red.
2	Timer	Used to set desired run time.



Operating Instructions

- Plug ozone generator into an AC outlet.
- Set the timer and leave the area immediately.
- Come back at least 1-4 hours after the ozone generator stops.

For Best Results

- Before beginning ozone treatment, make sure the room is sealed completely, including vents.
- Place the unit in the center of the room to ensure ozone is dispersed evenly.
- As room size increases, treatment time should also increase.
- For more severe odors a longer treatment time will be necessary.
- Keep in mind, mold removal requires **7000 mg/hour** of ozone output to be effective.
- Once the cycle is completed, allow time for ozone to dissipate before reentering.
- Ozone has a half-life of 30 minutes, meaning ozone will dissipate after this amount of time has passed.
- For example, if running a 4-hour cycle, returning 5 hours later will ensure most of the ozone has reverted back to oxygen.
- Do not ozonate a freshly painted room as it can have an adverse reaction with chemicals in the paint.
- Ozone plates should be replaced after 2 years or 2000 hours of use.

Timer Functions

- The Air-7000 and Air-3500 have timer function options from 15 minutes to 4 hours.
- Turn the timer knob clockwise to set the unit's timer.
- Keep in mind, this unit does not have a repeat timer option.
- Be sure to allow the room to sit for at least 30 minutes before reentering.

Air Applications

The Air-7000 and Air-3500 are heavy duty deodorizers designed to oxidize smells, odors and viruses from the air. Using all-natural ozone, the Air Series will eliminate harsh odors leaving the area fresh and sanitized. Follow the guidelines below for shock treating rooms with the Air-7000 and Air-3500. Once the treatment is completed, allow the room to sit for at least 30 minutes before entering. Repeat the treatment if the odor is still present. Keep in mind, the Air-7000 is significantly more powerful than the Air-3500, so treatment times will vary between the units.

Room Size	Estimated Time
Large Sized Room	3 to 4 hours
Medium Sized Room	1 to 2 hours
Small Room or Closet	30 minutes to 1 hour

Eliminate Allergens

Ozone is a natural and effective way to eradicate allergens in the home. Ozone generators will improve the air quality in the home which lessen contact with irritants. If allergens have built up in the ducts over time, shock treatment is a good option.

If your AC system has a fan...

- First, treat the individual room that has the worst allergens.
- Before turning on your unit, remove all valuables, plants, and/or pets from the room so they do not come into direct contact with ozone.

- Second, you will need to determine the severity of the allergens, which will dictate the amount of time needed for cleaning.
- For example, heavy smoke smells will require longer treatment times (4 hours or more), while pet smells could be solved in a shorter amount of time (4 hours or less).
- Next, place the unit into the severely impacted room and turn the unit on full power while selecting the appropriate time setting on your unit.
- Be sure to leave the room immediately after your unit begins producing ozone.
- Only return to the room once the ozone has dissipated.
- Once you have treated each room individually, you can treat the whole house using the AC method.
- To begin this method, determine where the air return vent is on the heating and cooling system.
- Remove the filter and turn the AC fan ON.
- Place the Air Series unit in front of or near the return vent.
- Set the unit for a 4-hour cycle and immediately exit the building.
- It will be safe to return to the building at a minimum of 4.5 hours later, but we recommend returning 5 hours later or longer.
- Keep in mind, the half-life of ozone is 30 minutes.
- If the smell of ozone is still strong after this amount of time has passed, open windows to air out the building.

If your AC system does NOT have a fan...

- If there is no AC fan in the building you wish to treat, we recommend using a large fan to circulate ozone throughout the area
- The fan should be equipped with oscillating capabilities to be the most effective.
- First, place the ozone generator in front of the fan in the room to be treated.
- Next, turn the oscillating fan on at full speed.
- Then, turn the ozone unit on full power while selecting the appropriate time setting correlated to the severity of the allergens.
- For example, heavy cases require longer treatment times (4 hours

or more), while less severe situations could be solved in a shorter amount of time (4 hours or less).

- Before turning on the unit, remove all valuables, plants, and/or pets from the room so they do not come into direct contact with ozone.
- Exit the building for the next 4.5 hours at a minimum, but we recommend that you wait 5 hours before returning.
- Keep in mind, the half-life of ozone is 30 minutes.
- If the smell of ozone is too strong when you return, be sure to open windows to air out the building.

NOTE: Be sure to only use your ozone generator in an unoccupied area. Our units produce high amounts of ozone. It is not safe to run the unit in an occupied area for more than 1 minutes. Be sure to remove any valuable items, pets and/or plants before use.

Pet Odor

Over time, many pet owners may not realize the lingering animal odor in the home. Whether it's caused by cat urine, dog urine, or just a general smell, ozone can destroy and eradicate the odor for good.

- To start, you will need an Air Series unit and a tarp.
- This method works best for treating furniture.
- Once you have decided which item to ozonate first you will need to take the tarp and drape it over the item.
- Lay something to help hold down the tarp on the sides which will help hold in the ozone.
- Then, take the Air-7000/Air-3500 and place the exhaust side under the tarp.

NOTE: Make sure the air vents aren't covered and are able to pull fresh air in.

- You will then need to turn on your unit with both plates running.
- Set the ozone generator fan speed on high.
- Choose the 30-minute run cycle.
- Exit the house at this point or have this set up in a garage.
- Once the cycle is complete, wait 30 minutes to 1 hour for the ozone to dissipate, then you can enter the area and decide if

another treatment is needed.

- If you are trying to ozonate a smaller object you would need to get a plastic tote.
- Cut a hole for the exhaust of the unit to fit in and another for excess gas to escape.
- Then run the unit for 30 minutes or less with the fan on a high setting.

Fire Remediation

After a fire it is important to clean all objects that have been impacted. To remove the smell, it is important to use a tactic that will work to kill the particles that are deeply embedded in household objects and the air. Additionally, smoke particles could be stuck in the ducts and ventilation of the air conditioning system. Ozone is an effective way to do this, and is even used by many professional services. The Air Series is most effective for this application.

- First, treat the individual room that has the worst odor or smoke damage.
- Before turning the unit on, remove all valuables, plants, and/or pets from the room so they do not come into direct contact with ozone.
- Second, determine the severity of the smell, which will dictate the amount of time needed for cleaning.
- For example, heavy smoke smells will require longer treatment times (4 hours or more), while pet smells could be solved in a shorter amount of time (4 hours or less).
- Next, place the unit into the severely impacted room and turn the unit on full power while selecting the appropriate time setting on the unit.
- Be sure to leave the room immediately after the unit begins producing ozone.
- Use the A/C system to freshen the entire home if the odor is still present.
- This will push ozone through the vents with the A/C fan.
- Determine where the air return vent is on the heating and cooling system.

- Remove the filter and turn the AC fan ON.
- Place the unit in front of or near the return vent and be sure the heating and cooling system's fan is to the always on position.
- Turn the unit on for a 4-hour cycle and immediately exit the building.
- It will be safe to return to the building at a minimum of 4.5 hours later, but we recommend returning 5 hours later or longer.
- After the process is complete, ozone reverts back to oxygen meaning no residual chemicals are left behind. This is a preferred method to bleach or other chemical alternatives because it leaves the treated area smelling fresh.

Mold & Mildew

After the source of the mold is removed, ozone can be used to remove the smells left behind. Ozone can be used for mold and mildew removal when it is administered in higher amounts. At 7000 mg/hour, ozone is an effective agent for mold and mildew removal. Keep in mind, the Air-3500 will not be effective for mold and mildew removal.

- First, treat the room with the mold and mildew damage.
- Before turning the Air-7000 on, remove all valuables, plants, and/or pets from the room so they do not come into direct contact with ozone.
- For most mold and mildew removal applications, a full four-hour treatment is needed.
- Be sure to leave the room immediately after the unit begins producing ozone.
- Repeat the treatment as necessary.

Water Damage

Water damage can leave an unpleasant smell behind in the home. Whether it's a ruptured pipe or water damage from a flood, ozone can help. Ozone is a powerful agent that can eradicate these odors for good. Follow these steps to remove odors caused by water damage:

- First, treat each individual room that has been impacted.
- Before turning on your unit, remove all valuables, plants, and/or pets from the room so they do not come into direct contact with

ozone.

- Next, determine the amount of time you will run the unit in the space.
- More severe odors typically require a 4-hour treatment cycle, which we recommend for flood cleanup.
- Turn the unit on full power while selecting the appropriate time setting on your unit.
- Be sure to leave the room immediately after your unit begins producing ozone.
- Once you have individually treated each room, the whole house can be treated using your AC system.
- To do this, determine where the air return vent is on your heating and cooling system.
- Remove the filter and turn the AC fan on.
- Place your unit in front of or near the return vent and be sure turn the heating and cooling system's fan is to the always on position.
- Then turn the ozone generator on for a 4-hour cycle and immediately exit the area.
- It will be safe to return home at a minimum of 4.5 hours later, but we recommend returning home at 5 hours later or longer.
- Keep in mind, the half-life of ozone is 30 minutes.
- If the smell of ozone is still strong after this amount of time has passed, open windows to air out the building.
- This process can be repeated multiple times to remove the odor or mildew impacting the area. We recommend a 30 minute cool down for the unit after each run.

Tobacco Odor

Simply passing through a smoky bar can saturate your clothing with second hand smoke. Ozone oxidizes those harmful substances found in second hand smoke; even surfaces damaged by cigarette or cigar smoke. Ozone will remove the second hand smoke odors from clothing by actually oxidizing them, which in turn can save money on dry cleaning. To remove secondhand smoke odors, follow these steps:

- First, make an ozone box or bag.
- To do this, cut a hole for the exhaust of the unit to fit in.

- Cut a second hole for excess gas to escape.
- Next, place the smoky garments inside.
- Use the Air-7000/Air-3500 to saturate the item with ozone.
- Finally, enjoy clean, fresh smelling clothes.

Furniture Odor

By using a unit from A2Z's powerful Air Series, lingering odors stuck in furniture can be eliminated. Whether it's caused by pets, smoke or more all-natural ozone can eradicate the odors for good.

- To start, you will need an ozone generator and a tarp.
- Once you have decided which item to ozonate first you will need to take the tarp and drape it over the item.
- Lay something to help hold down the tarp on the sides which will help hold in the ozone.
- Then, take the ozone generator and place the exhaust side under the tarp making sure the air vents aren't covered and are able to pull fresh air in.
- You will then need to turn on your unit with both plates running, with the fan on high, and with a 30-minute run cycle.
- Exit the house at this point or have this set up in a garage.
- Once the cycle is complete, wait 30 minutes to 1 hour for the ozone to dissipate, then you can enter the area and decide if another treatment is needed.

Skunk Odor

Knowing how to get rid of the smell is important as skunk season approaches. If skunk odor has impacted your home, follow these steps to eliminate the odor with an ozone generator:

- First, treat the individual room that has the worst odor.
- Before turning on your unit, remove all valuables, plants, and/or pets from the room so they do not come into direct contact with ozone.
- Second, you will need to determine the severity of the smell, which will dictate the amount of time needed for cleaning.
- For example, heavy smoke smells will require longer treatment times (4 hours or more), while less severe smells could be solved

in a shorter amount of time (4 hours or less).

- Next, place the unit into the severely impacted room.
- Once you have treated each room individually, you can treat the whole house using the AC method.
- To begin this method, determine where the air return vent is on your heating and cooling system.
- Remove the filter and turn the AC fan ON.
- Place your unit in front of or near the return vent and be sure the heating and cooling system's fan is to the always on position.
- You will then need to turn on your unit for the 4-hour cycle and immediately exit the building.

Car Odor

Follow this step-by-step guide to perform an ozone treatment for any car. Ozone treatment will eradicate unpleasant odors leaving your vehicle smelling fresh.

- To treat car odor with ozone an extension cord is needed.
- Before beginning, place your car near a power outlet or have an extension cord that will reach the vehicle.
- First, crack the passenger window far enough for the power cord to fit in.
- Then, place your unit on the passenger front floorboard.
- Next, turn your car A/C on with the recirculation turned on.
- Turn on your unit for 15 minutes and allow the car to circulate the ozone through the cooling system to help oxidize smells and allergens in the cooling vents.
- After the ozonation process is complete, wait 30 minutes for the ozone to dissipate.
- Your car should be smelling fresh now, but if you can still smell the odors you were trying to eliminate repeat the process.

Kitchen Odor

The kitchen can be the source of many foul odors. Whether it's the trash, cooking fumes or appliances, using ozone regularly can freshen the air in this communal space of the home.

For general guidelines, view the table on page 7.

Bathroom Odor

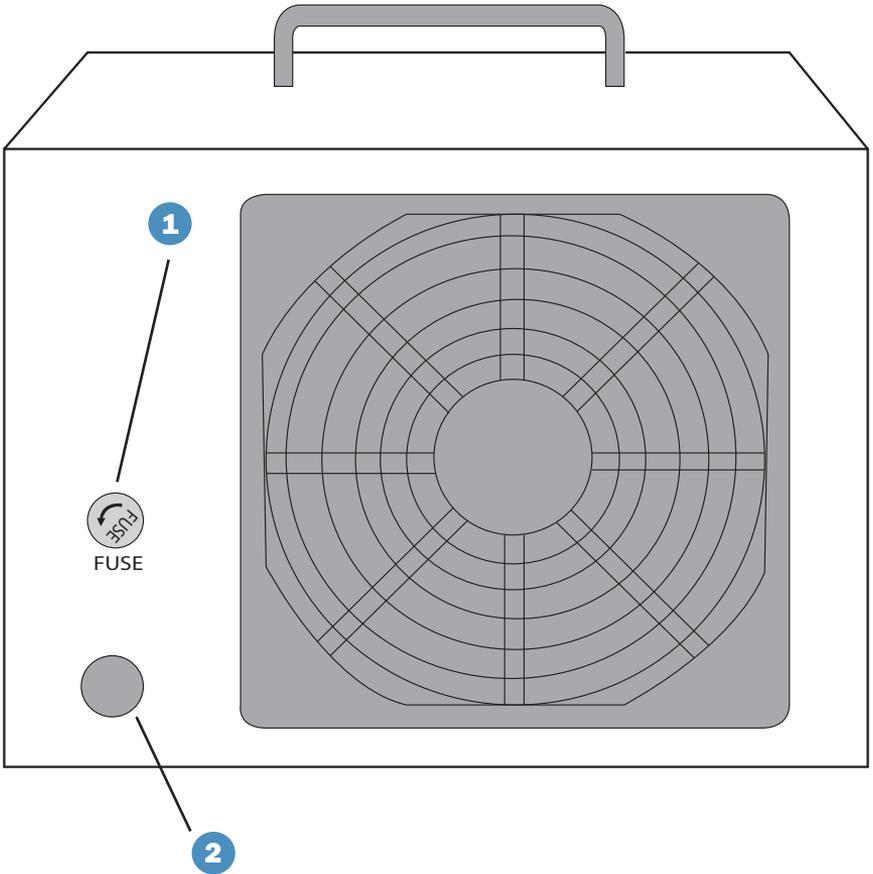
- First, treat the individual room that has the worst odor.
- Before turning the unit on, remove all valuables, plants, and/or pets from the room so they do not come into direct contact with ozone.
- Second, determine the severity of the smell, which will dictate the amount of time needed for cleaning.
- For example, heavy smoke smells will require longer treatment times (4 hours or more), while pet smells could be solved in a shorter amount of time (4 hours or less).
- Next, place the unit into the severely impacted room and turn the unit on full power while selecting the appropriate time setting on the unit.
- Be sure to leave the room immediately after the unit begins producing ozone.

Maintenance

Fuse Change

Fuses are located on the back left side. The Air-3500 and Air-7000 use a 3 AMP glass fuse.

1	Power Light	Indicates power to the unit.
2	Main Fuse	The only fuse on the unit.
3	Spare Fuse	Comes with the unit but should be stored until the Air-3500 or Air-7000 needs a fuse replaced.



Troubleshooting

Problem	Possible Cause	What To Do
No Ozone	Fan Malfunction	If the fan has decreased in speed you will have less ozone produced. If the fan quits completely you will not get any ozone production. Replace Fan (Check Voltage)
	Bad Plates	If you have no ozone, it is most likely due to oxidization on the ozone plate. The plates will only glow purple in some spots or not at all. Fixed with replacement 3.5G/hour plates .
	Transformer	If you have had this unit for a while there is a higher chance of this malfunction, but this malfunction isn't normal.
Low Ozone	Bad Plates	You will see purple glowing in some parts of the plate, but not all will be glowing. Fixed with replacement 3.5G/hour plates .
No Power	Bad Fuse	Check the fuse holder that is located next to the power cord.

Warranty

A2Z Ozone Systems Inc. - ONE YEAR LIMITED WARRANTY

The limited warranty set forth below applies to products manufactured by A2Z Ozone Systems Inc. - and sold by A2Z Ozone Systems or its authorized dealers. This limited warranty is given only to the first retail purchaser of such products and is not transferable to any subsequent owners or purchasers of such products. A2Z Ozone warrants that it or its authorized dealers will repair or replace, at its option, any part of such products proven to be defective in materials or workmanship within ONE (1) year from the date of retail purchase of such products. (All parts) ANY REPAIR OR REPLACEMENT WILL BE WARRANTED ONLY FOR THE BALANCE OF THE ORIGINAL WARRANTY PERIOD. NOTE: USE ONLY A2Z Ozone AUTHORIZED REPLACEMENT PARTS. USE OF ANY OTHER PART(S) WILL AUTOMATICALLY VOID THIS WARRANTY. THIS LIMITED WARRANTY DOES NOT INCLUDE ANY OF THE FOLLOWING:

- (a) Any labor charges for troubleshooting, removal, or installation of such parts;
- (b) any repair or replacement of such parts necessitated by faulty installation, improper maintenance, improper operation, misuse, abuse, negligence, accident, fire, repair material, and/or unauthorized accessories;
- (c) Any such products installed without regard to required local codes and accepted trade practices;
- (d) ANY IMPLIED WARRANTY OF MERCHANTABILITY OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE, AND SUCH WARRANTIES ARE HEREBY DISCLAIMED: AND
- (e) A2Z Ozone SHALL NOT BE LIABLE UNDER ANY CIRCUMSTANCES FOR LOSS OF USE OF SUCH PRODUCTS, LOST PROFITS,

DIRECT DAMAGES, INDIRECT DAMAGES, CONSEQUENTIAL DAMAGES AND/OR INCIDENTAL DAMAGES.

TO OBTAIN WARRANTY SERVICE

Contact A2Z Ozone, 1844 Cargo Court Louisville, KY 40299, USA

Customer Service Number: +1 502-499-4977.

When filing a claim, you must provide:

- 1) Your name, mailing address and telephone number
- 2) The selling dealer's name
- 3) Proof of date of purchase
- 4) The date of failure
- 5) A description of the failure.

After this information is provided, A2Z Ozone will release a RETURN GOODS AUTHORIZATION (RAN) NUMBER. After receiving the RAN number the part in question must be returned to A2Z Ozone, freight prepaid, with the RAN number clearly marked on the outside of the package. All preauthorized defective parts must be returned to A2Z Ozone within thirty (30) days. Under no circumstances may any product be returned to A2Z Ozone without prior authorization. You must call or write prior to returning product or your returned goods shipment will be refused. Upon receipt of preauthorized returned goods, A2Z Ozone will repair or replace, at its option, the defective product(s) and return them (shipping is prepaid for units under warranty for USA customers only). Buyer's acceptance of the product and use thereof constitutes acceptance of these terms.

A2Z Ozone WARRANTY REGISTRATION CARD

This information can be also send by EMAIL to us. Please provide ALL pertinent information and send within twenty (20) days to:
service@a2zozone.com

Otherwise, please fill out completely and return to A2Z Ozone by post within twenty (20) days of purchase.

Customer Info:

Name _____
Address _____
City _____ State _____ Zip _____
Phone (____) _____

Dealer Info:

Dealer Name _____
Dealer _____
Address _____
City _____ State _____ Zip _____
Phone () _____

Purchase/Product Info:

Purchased Date: _____ Date
Installed _____

Product Purchased: AIR-7000/AIR-3500 AIR OZONE GENERATOR

Comments / Questions:

DO NOT FORGET TO CUT OUT, PLACE IN ENVELOPE AND MAIL TO THE FOLLOWING ADDRESS FOR INSTANT WARRANTY COVERAGE!

A2Z Ozone Systems Inc.

ATTN: Warranty Dept.

1844 Cargo Court

Louisville, KY 40299, USA