



**A2Z**  
ozone  
**A7K**

# Operating Manual



Produced for and Distributed by:  
A2Z Ozone, Inc.  
Louisville, KY 40299  
EPA Est.: 95432-KY-1

Active Ingredient: Ozone.  
Do Not Inhale Ozone.  
Keep Out of Reach of Children.

Produced by:  
Bluegrass Water Technology Shenzhen Co., Ltd  
China  
EPA Est.: 95432-CHN-1

\*register your product at [a2zozone.com/pages/warranty](http://a2zozone.com/pages/warranty)

# Table of Contents

Important Safety Information .....	2
Technical Specifications .....	3
A7K Features .....	4
Timer Functions .....	7
Operating Instructions .....	8
Air Applications .....	10
Maintenance .....	11
Troubleshooting .....	14
Warranty .....	15

This unit is designed to remove pet odor, smoke odor, cooking odor and natural odors such as skunk odor. Do not use this unit for odor caused by flammable items or solvents.

## IMPORTANT:

**When operating an ozone generator, please remember to remove people, pets, and plants from the area. Be sure to leave the area being treated immediately and only return once the ozone has dissipated. Under most conditions, the treated area should be safe to return to in 2-4 hours after the unit stops producing ozone. Ozone has a half life of 30 minutes. Treated spaces or buildings should be well-ventilated prior to re-entry. Do not use around flammable substances or solvents.**

For questions, please call **1+ (502) 499-4977** OR email **info@a2zozone.com**

# Important Safety Information

## READ AND FOLLOW ALL INSTRUCTIONS

- Store the A7K in a cool, dry area.
- Do not take the ozone generator apart as mechanical failure may occur. Return the unit directly to the manufacturer for repair.
- Do not breathe in ozone directly.
- Because of the high concentration of ozone produced, do not use the unit in an occupied room where people, plants or pets are present.
- Prolonged exposure to ozone may cause lung damage.
- The A7K is designed to shock treat rooms with strong odors.
- DO NOT enter the unoccupied room until 2-4 hours after the machine has turned off. Make sure the room is properly ventilated (for example: opening windows) after the appropriate amount of time.
- Ozone half-life is 30 minutes. This means that after the cycle has completed in 30 minutes, half of the ozone would have dissipated. In another 30 minutes, another half of the ozone would have dissipated.
- Breathing in ozone may cause shortness of breath, lung irritation, headaches and lead to long term respiratory issues.
- DO NOT open the casing. There is a risk of electric shock.
- Be sure to remove any gasoline or other flammable chemicals from the treatment area as they are an extreme fire hazard.
- DO NOT use this unit to remove odor that comes from flammable fluids or solvents. This is an extreme health hazard.

Please note: In the state of California, ozone generators are for industrial use only. Use only in unoccupied spaces.

Health hazard: Emits ozone

# Technical Specifications

## Items Included:

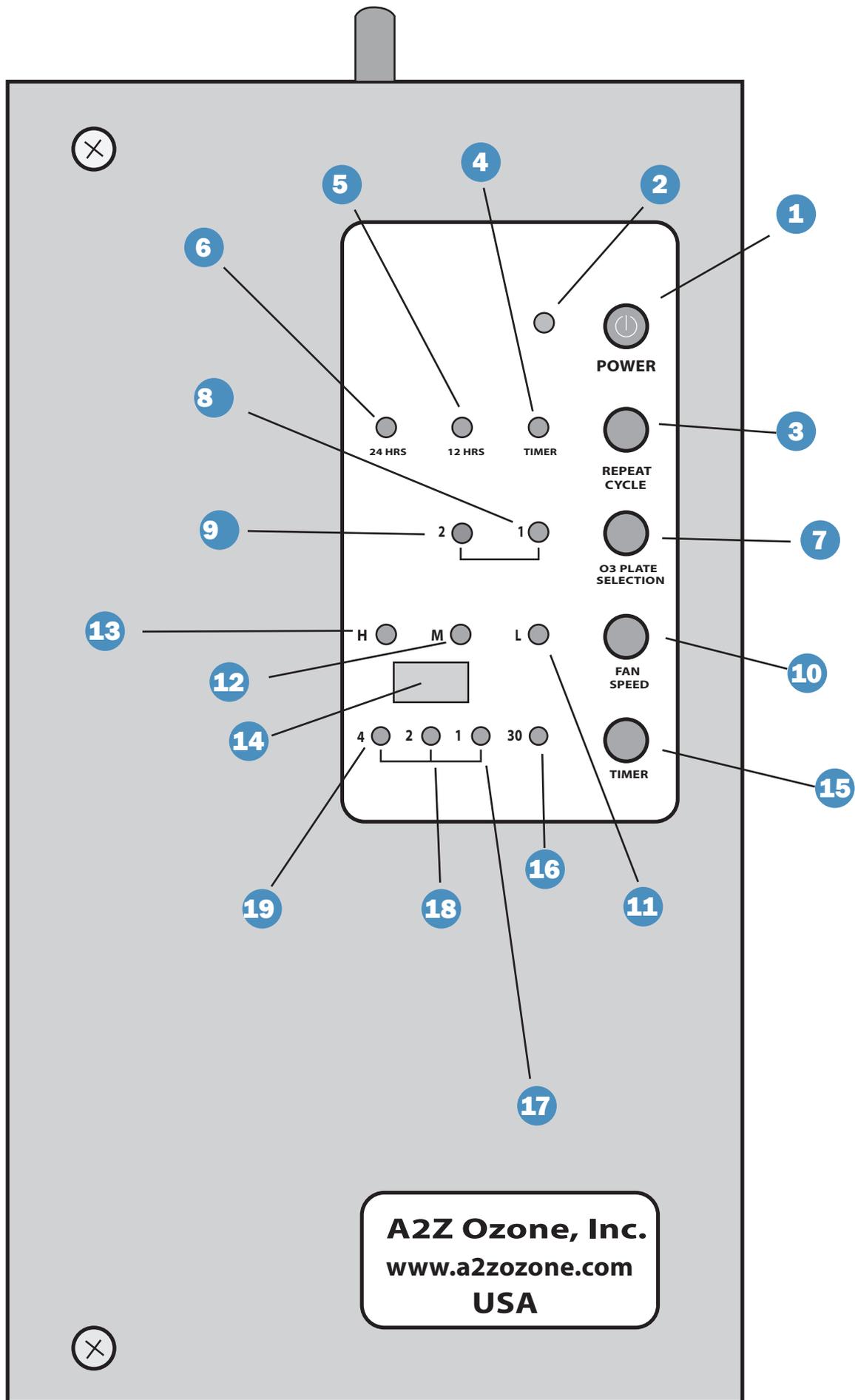
- A7K air ozone generator
- A7K air ozone generator operation manual
- Remote control\*
- Power cord
- Spare control board fuse (2 AMP)
- Spare rocker switch fuse (3 AMP)

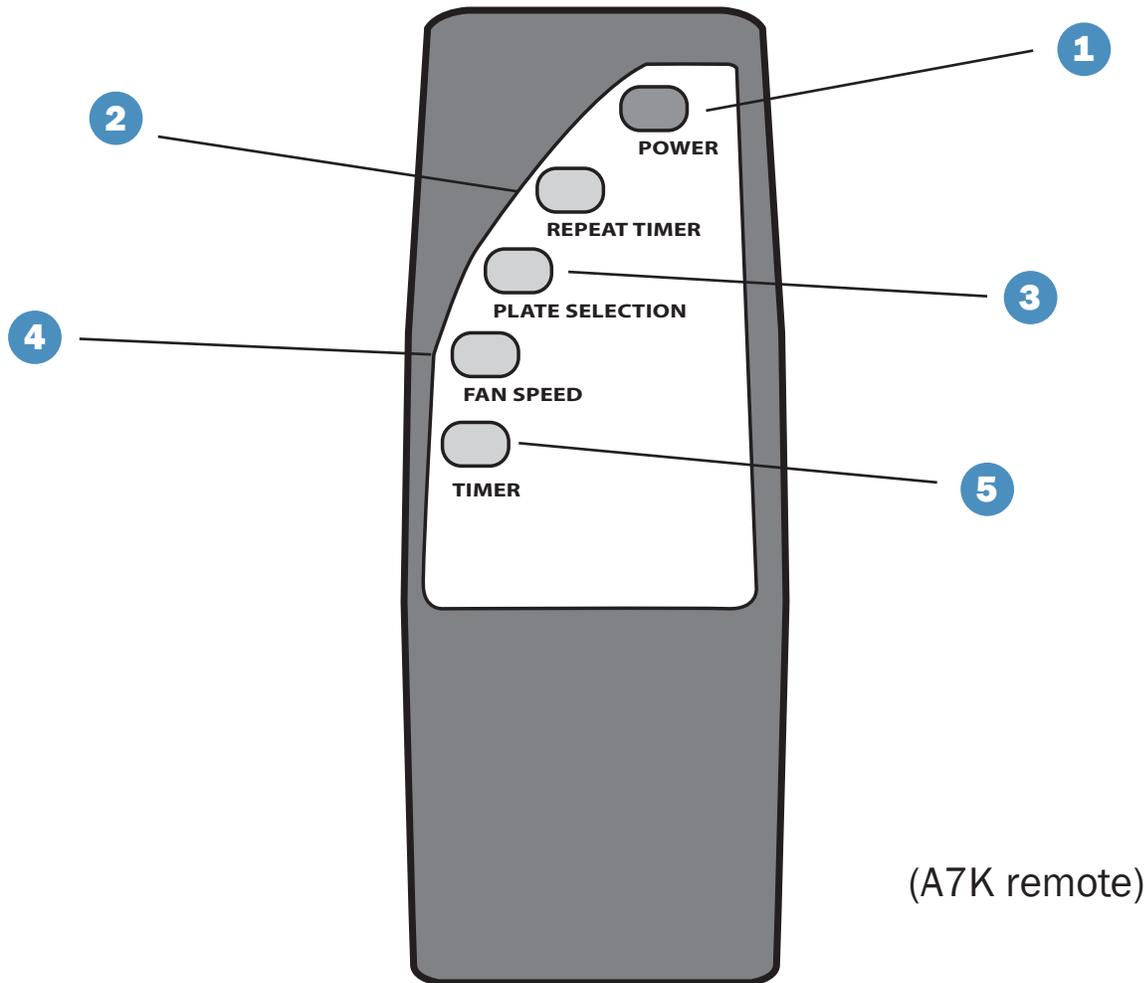
\*Remote control battery is not included due to shipping safety regulations.

<b>Specifications</b>	
<b>Model</b>	A7K
<b>Voltage</b>	110 OR 220/240 VAC 50/60 Hz
<b>Power and Fan Settings</b>	95W, 98W, 100W
<b>Ozone Output</b>	3500 to 7000 mg/hour
<b>Timer</b>	30 minutes, 1 hour, 2 hours or 4 hours
<b>Air Flow Rate</b>	50, 100, 150 CFM
<b>Dimensions</b>	10 x 5 x 11 inches 306 x 134 x 268 millimeters
<b>Weight</b>	13 lbs/6 Kg
<b>Runtime</b>	<ul style="list-style-type: none"> <li>• One time</li> <li>• Repeat time setting</li> <li>• Run once every 12 hours</li> <li>• Run once every 24 hours</li> </ul>

# A7K Features

<b>1</b>	<b>Power Button</b>	Used to turn the unit on and off. The power switch on the back of the unit can also be used.
<b>2</b>	<b>LED Power Indicator</b>	Indicates if unit's power is ON or OFF
<b>3</b>	<b>Repeat Cycle Button</b>	Used to turn the repeat cycle function on or off
<b>4</b>	<b>Repeat Timer Indicator</b>	When lit, this indicates the repeat cycle function is activated for 1 hour
<b>5</b>	<b>12 Hours</b>	Indicates the 12-hour repeat timer function is on
<b>6</b>	<b>24 Hours</b>	Indicates the 24-hour repeat timer function is on
<b>7</b>	<b>O<sub>3</sub> Plate Selection Button</b>	Used to activate one ozone plate or both ozone plates
<b>8</b>	<b>Plate 1</b>	Indicates an ozone plate is activated. Produces 3500 mg/hour
<b>9</b>	<b>Plate 2</b>	Indicates an ozone plate is activated. Produces 3500 mg/hour
<b>10</b>	<b>Fan Speed Button</b>	Used to change the fan speed of the unit: high, medium or low
<b>11</b>	<b>Low Fan</b>	Indicates the unit's fan is on the lowest setting
<b>12</b>	<b>Medium Fan</b>	Indicates the unit's fan is on the medium setting
<b>13</b>	<b>High Fan</b>	Indicates the unit 's fan is on the highest setting. This setting is recommended when the unit is being used for larger areas.
<b>14</b>	<b>Remote Signal Receiver</b>	Remote signal receiver receives signal from A7K remote
<b>15</b>	<b>Timer Button</b>	Used to set the unit timer function
<b>16</b>	<b>30 Minutes</b>	Indicates the unit's 30-minute timer is set
<b>17</b>	<b>1 Hour</b>	Indicates the unit's 1-hour is set
<b>18</b>	<b>2 Hours</b>	Indicates the unit's 2-hour timer is set
<b>19</b>	<b>4 Hours</b>	Indicates the unit's 4-hour timer is set





**Note:** Keep remote signal receiver area (item 14 on previous page) clear.

<b>1</b>	<b>Power Button</b>	Used to power the unit on or off
<b>2</b>	<b>Repeat Timer</b>	Enables one time, repeat time, 12 hour, or 24 hour repeat cycle
<b>3</b>	<b>Plate Selection</b>	Used to select how many plates are activated on the A7K
<b>4</b>	<b>Fan Speed</b>	Controls fan speed: low, medium, high
<b>5</b>	<b>Timer</b>	Sets timer function: 30 minutes, 1 hour, 2 hours or 4 hours

# Timer Functions

These pre-programmed A7K timer functions can be controlled by using the buttons on the face of the unit or by the provided remote control for easy access:

- 30 minutes
- 1 hour
- 2 hours
- 4 hours

## Repeat Timer

### Set Time, 12, & 24 Hour Cycles

- If there is no LED light on the timer, the unit will run once and will stop once timer is over.
- If the timer LED light is on beside the repeat cycle indicator, the selected timer function will repeat after timer is set. This can be 30 min, 1h, 2h, or 4h. (Example: if set on 30 min, unit will run for 30 min, rest for 30 min, and repeat)
- The timer cycle will repeat until the machine is turned off.\*
- If the 12 Hours LED light is on beside the repeat cycle indicator, the selected timer function will repeat in 12 hours.
- The 12-hour cycle will repeat until the machine is turned off.\*
- If the 24 Hours LED light is on beside the repeat cycle, the selected timer function will repeat in 24 hours.
- The 24-hour cycle will repeat until the machine is turned off.\*

\*The unit will turn the ozone plates off, but the fan will continue to run 30 minutes to circulate the air after each cycle.

# Operating Instructions

- Plug the A7K power cord into the back of the unit and the wall socket.
- Turn the rock-switch power button on, which is located on the back of the unit by the power cord.
- Push the power button on the front of the unit.

**NOTE:** The remote control or the button on the face of the unit may be used. The A7K should come on with the fan speed and plate selection set on the low setting with the LED lights illuminated.

- Push repeat cycle option on or off. See below for “Operating timer with repeat cycle”.
- When the repeat cycle LED light is off, the unit will run one time and stop.
- Select O<sub>3</sub> plate selection options:
  - Push button one time for Plate 1
  - Push again for Plate 2
  - Push again for both plates
  - Push again for no plates

**NOTE:** One O<sub>3</sub> plate = 3500 mg/hour output, both O<sub>3</sub> plates = 7000 mg/hour output. Both plates are needed for smoke odor.

- Choose fan speed:
  - L for Low
  - M for Medium
  - H for High
- Select the timer option: 30 minutes, 1 hour, 2 hours or 4 hours
- After the unit produces ozone for the selected amount of time (30 minutes, 1 hour, 2 hours or 4 hours), the fan will continue running for an extra 30 minutes to circulate the air.

## Operating timer with repeat cycle:

- When repeat cycle LED light is on, the cycle will repeat per the settings on the timer (30 minutes, 1 hour, 2 hours or 4 hours).
- The fan will continue running for another 30 minutes with the ozone plates off after the cycle ends to help cool the unit down and to spread ozone throughout the area.
- If the timer LED light is on beside the repeat cycle indicator, the selected timer function will repeat according to timer settings.

- The unit will produce ozone for the selected amount of time (30 mins, 1 h, 2 h or 4 h).
- The A7K fan will then run for an extra 30 minutes with the ozone plates off to cool the unit and spread ozone throughout the area.
- If the 12 Hours LED light beside the repeat cycle indicator is on, the cycle will repeat in 12 hours.
- The unit will produce ozone for the selected amount of time (30 minutes, 1 hour, 2 hours or 4 hours).
- The A7K fan will then run for an additional 30 minutes with the ozone plates off to cool the unit and spread ozone throughout the area.
- The 12-hour cycle will repeat until the machine is turned off.
- If the 24 Hours LED light beside the repeat cycle indicator is on, the cycle will repeat in 24 hours.
- The A7K fan will then run for another 30 minutes with the ozone plates off to cool the unit and spread ozone throughout the area.
- The 24-hour cycle will repeat until the machine is turned off.

**CAUTION:** Be sure to allow the unit's fan to run 30 minutes at the end of the ozone cycles to cool the unit properly. If the unit is not properly cooled, damaged plates will result.

**NOTE:** When the unit is powered off, the machine will default to the last settings used when powered on again.

## 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, fan speed and treatment time should also increase.
- For more severe odors, both plates should be activated.
- Once the cycle is completed, allow time for ozone to dissipate before reentering the room.
- 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. In particularly dusty or polluted conditions, change as needed.

# Air Applications

Follow the guidelines below for shock treating rooms with the A7K:

The unit should be set to full power, meaning both plates are activated. Once the treatment is completed, make sure the area is well-ventilated and allow the room to sit for at least 2-4 hours before entering. Repeat the treatment if the odor is still present.

The A7K can adequately treat rooms up to 3,500 square feet. For larger areas, treat each room separately or use multiple A7K units.

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

# Maintenance

## Rocker Switch Fuse Change

- Unplug the unit from the outlet. Then unplug the power cord from the unit.
- The fuse is between the back rocker switch and the power cord connector.
- Use a small, flat screwdriver to remove fuse holder.
- Remove and then check the fuse. The unit originally comes with a spare fuse. It is located in the spare fuse holder.
- Simply press the new fuse into place.

## Board Fuse Change- This is a fuse on the control board behind the front cover

- Make sure the unit is off and unplugged.
- Remove screws from the front of the unit.
- The fuse is located on the control board.
- Remove the fuse.
- It may be necessary to pull slightly.
- Place the new fuse where the old one was.
- Press down until you hear it click into place.

Note: There is another fuse located next to the power cord on the back. This is the rocker switch fuse mentioned previously.

Keep in mind, there are differences between the old A7K control board and new A7K control board. Take note of which unit you own before completing maintenance work.

<b>1</b>	<b>Main Power Switch</b>	If not turned on there will be no power for the unit.
<b>2</b>	<b>Power Input</b>	Where you will plug in your power cord to the unit.
<b>3</b>	<b>Main Fuse Holder</b>	Normally the fuse that blows. Additionally, there is a spot for a spare fuse.

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

**ATTENTION**

- Service unit only by certified technicians
- For safety instruction read manual before operating this unit

Because of the High Concentration of Ozone Produced by the A7K Do not use the unit in an Occupied Room where People, Pets and Plants present. The A7K is designed to "Shock Treat" rooms with strong odors and mold. After operating the unit, make certain that the room is well-ventilated before reoccupying. Ozone has "Half-Life" which means that after the cycle has completed in 20 minutes half of the ozone would have dissipated. In another 20 minutes another half of the ozone would have dissipated and so on.

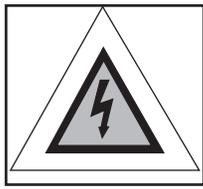
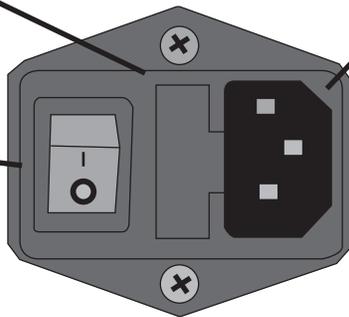


AZZ Ozone Inc.	
Model	A7K
Voltage	110/120 V 50/60 Hz
Power	110, 115, 125 W
Ozone Output	3.5 or 7 g/h
Timer	30 min, 1, 2, 4 hours or repeat timer
Flow Rate	83 M3/H, 194 M3/H, 273 M3/H
Size	308*140*260
Weight	6.2 KG
www.AZZozone.com	

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SERIAL #

# Cleaning Plates

**IMPORTANT:** Ensure the unit and plates are fully cooled before maintenance.

- Make sure the unit is off and unplugged.
- Remove screws from the side of the unit and air vent.
- Unit will have 6 screws.
- Place the screws in a safe location so they aren't lost during the maintenance process.
- Remove the outside cover.
- Use a razor blade to scrape oxidized materials from the plates.
- We recommend using a flat, straight razor blade for best results.
- Be sure to not hit where the plates are soldered together.
- If the solder is fractured, the plate will need to be replaced.
- Scrape across the grid lines on the plate.
- Be sure to scrape the plate evenly.
- Clean oxidized materials from the razor blade as needed.
- Repeat this process until the metallic finish of the plate returns.
- Use a paper towel or blow across the plates to remove oxidized material that could be left behind.
- Replace the outside cover to the unit.
- Place screws back into the unit.
- Connect the power cord to test that the unit is still working properly.
- There should be a purple glow coming off the ozone plate.
- Cleaning the plate will limit spotting and should emit a steady purple glow.

Cleaning the A7K plates regularly will extend the life of the ozone plates.

# Troubleshooting

<b>Problem</b>	<b>Possible Cause</b>	<b>What To Do</b>
No Power	Main Fuse	Check the main fuse next to the power in port. If that is intact check the fuse located on the main control board. This is located behind the front panel.
	Defective Control	If your unit has some power you will see an indicator light flash when the power button is pressed. The other option is that the fuses are both ok and power is present but not distributing it through the system.
Only Back Power Is On	Bad Transformer	Back power is on, but there is no power on the control board. Check the 12 VAC transformer located behind the bottom right-hand corner on the front cover.
No Ozone	Old or Damaged Plates	Look in the side of the unit with the vents. There should be a purple glow all over the ozone plate. If there isn't any glow or it is very "spotty" then you will need to replace them. Order <a href="#">C-3500 Ceramic Ozone Plates Set</a> to repair this issue.
	Unit in Repeat Mode	When you select a repeat timer, the unit will run its full timer function and then the fan will continue to run until the power is turned off. However, the ozone plates will turn off until the next ozonation cycle after the repeat timer.
	No Plates Selected	Hit O <sub>3</sub> Plate Selection Button until the desired amount of plates are selected.

# 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](mailto: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: A7K 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**