

# AIRBOTX



**Airbotx X-Series**

390X USER MANUAL

**Airbotx**

# Operation & Maintenance Guidelines

**Airbotx**

16525 Southpark Drive

Westfield, IN 46074

**Phone** (317) 981-1811

**Web** [www.airbotx.com](http://www.airbotx.com)

**Email** [support@airbotx.com](mailto:support@airbotx.com)

## Table of Contents

<b>About Airbotx X-Series</b> .....	<b>3</b>
Airbotx X-Series Applications.....	<b>4</b>
Product Specifications .....	<b>4</b>
<b>Important Safety Instructions</b> .....	<b>5</b>
<b>User Servicing Instructions</b> .....	<b>6</b>
<b>Getting Started</b> .....	<b>6-7</b>
<b>Operational Guidelines</b> .....	<b>8</b>
Safety Guidelines .....	<b>8</b>
Coverage Area.....	<b>9</b>
<b>Cleaning &amp; Maintenance</b> .....	<b>10-11</b>
<b>Parts &amp; Service</b> .....	<b>12</b>
<b>Proper Disposal of UV Lamps</b> .....	<b>12</b>
<b>Warranty Registration</b> .....	<b>12</b>

## About Airbotx X-Series

The Airbotx X-Series uses advanced UV-C disinfection and odor removal technology. It draws in air from the surrounding environment and circulates it through both a filtration system and the UV-C chamber.

The filters in the Airbotx X-Series will remove airborne particles such as dust, mold spores, pollen, pet dander, and other debris.

The UV-C chamber uses lamps that produce hydroxyl radicals and other powerful oxidants. These oxidants will eliminate odors and VOCs, such as those caused by fires, cigarettes, mold, fuel and oil, trauma, curry, skunk, and more.

This technology treats not only the air passing through the lamp chamber, but also the contents and structures outside the machine that have adsorbed the odors.

The UV-C lamps also have the energy to disinfect and destroy pathogens of all types including viruses, bacteria, spores, and other microorganisms.

The Airbotx X-Series is backed by science and built for efficacy and reliability in any industry – Airbotx is here to help the world breathe safer and breathe easier!



## Airbotx X-Series Applications

The Airbotx X-Series is designed to be used in areas with problematic odors and/or pathogens.

Common applications include:

- Cleaning & Disaster Restoration
- Schools and Universities
- Senior Living Facilities
- Hospitality
- Office Buildings
- Hospitals and Medical Facilities

## Product Specifications







Model	390X
Dimensions	25 x 40 x 18 in. / 63.5 x 101.6 x 45.7 cm
Weight	67 lbs. / 30.39 kg
Power	5 amps (120V, 60 Hz, 550 W)
IP Rating	IP 20
Number of UV Lamps	4
Airflow	Variable to 700 CFM
Static Pressure	2.5 in. / 5.08 cm (H <sub>2</sub> O)
Sound Level	Low: 65 dB; High: 75 dB
Filters	Pre-filter: 14 x 14 x 1 in. MERV 8 HEPA: 14 x 14 x 2 in.
Power Cord	25 ft. / 6.1 m
Warranty	1 Year Parts & Labor

These specifications are subject to change without notice. Some values may be approximate.

## Important Safety Instructions

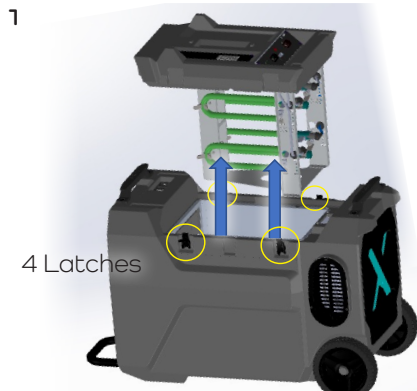


**SAFETY WARNINGS - READ AND FOLLOW ALL WARNINGS AND INSTRUCTIONS BEFORE USING THIS DEVICE. SAVE THESE INSTRUCTIONS.**

 <p>Always follow the Operational and Safety Guidelines when using the Airbotx X-Series.</p>	 <p>Always disconnect power before removing lamps or servicing.</p>
 <p>The lamps inside this unit emit UV-C irradiation. Skin or eye damage may result from direct exposure or viewing the light they produce.</p>	<p>Solely for industrial use.</p>  <p>Potential health hazard; emits ozone. Refer to Operational Guidelines and Coverage Area for instructions.</p>
 <p>To reduce the risk of fire, electric shock, or injury to persons, do not expose unit to water or rain.</p> <p>Always plug unit into GFCI protected receptacles.</p> <p>Do not operate any unit with a damaged cord or plug.</p> <p>Do not route cord under carpet, furniture, or appliances.</p> <p>Arrange cord away from traffic area and where it will not be tripped over.</p> <p>Do not use with solid-state speed controls.</p>	<p>Replace lamps with Lamp Model No. ABX-T6U64-610-1, manufactured by Airbotx, LLC.</p>  <p>Send damaged units to Airbotx, LLC or an Approved Airbotx Dealer for repairs.</p>

## User Servicing Instructions

- Do not use if any of the cords, plugs, fans, or lamps are damaged.
- Do not use if machine is not working as it should, has been dropped, damaged, left outdoors, or exposed to water.
- Send all Airbotx units needing service or repair to Airbotx, LLC or an Approved Airbotx Dealer.

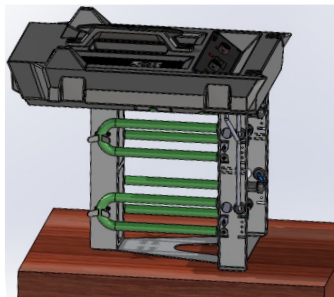


## Getting Started

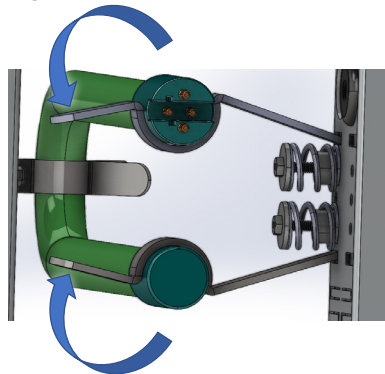
1. Release the four latches and pull the chamber out of the Airbotx machine (see image 1).
2. Place each lamp in the clamps that hold them (see images 2, 3, and 4).
3. Attach wire harnesses to lamps (see image 5).
4. Ensure everything is secure, place the chamber back in the Airbotx machine, and lock the four latches (see image 6).
5. OPTIONAL: Place the black cap over either discharge louver for airflow to exit on only one side of the machine (see image 7). Cap will lock into place without the need for any additional items.

**Your 390X is now ready to operate!**

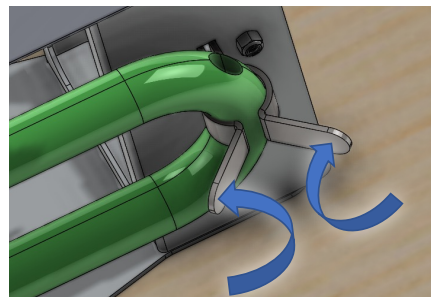
2



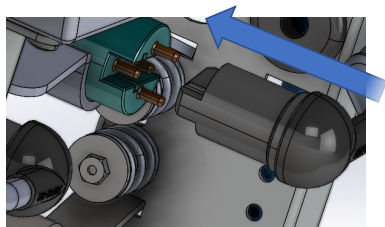
3



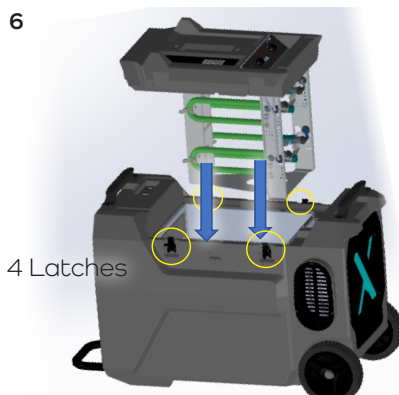
4



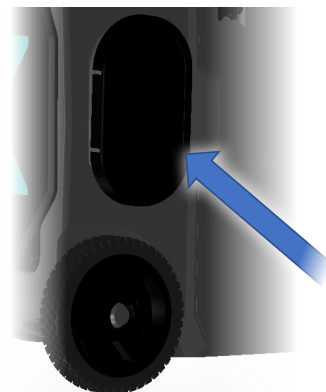
5



6



7



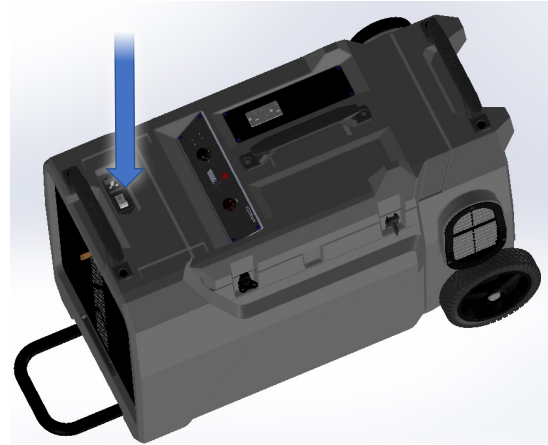
## Operational Guidelines

1. Unwrap the power cord and connect it to the Airbotx machine.
2. Place the 390X in either the horizontal or vertical position.
3. Plug the cord into a standard 110/120V GFCI-protected outlet.
4. Turn on the 390X using ON/OFF button (see image 8).
5. Set the number of UV lamps you want to operate by using the control panel. Refer to Coverage Area for recommendations. The number of lamps being used can be adjusted while the machine is operating (see image 9). Lamps will only operate while fan is running.
6. Adjust fan speed by using the control panel (see image 9).

---

\*The Airbotx 390X produces ozone as a byproduct. It should not be used in occupied areas without being properly monitored with ozone sensors. Follow your local laws and regulations to know threshold limits. Only qualified and trained technicians should operate this equipment.

8



9





## Coverage Area for 390X

<b>Number of UV Lamps</b>	<b>Coverage Area For Moderate to Severe Odors*</b>
4	500 – 2,000 sq. ft.
3	375 – 1,500 sq. ft.
2	250 – 1,250 sq. ft.
1	100 – 1,000 sq. ft.

\*Square feet of areas determined with ceiling heights at a minimum of nine feet. It is important to note that individual job conditions may vary and should be properly monitored to ensure safe working conditions. Only qualified and trained technicians should operate this equipment.

Visit [www.airbotx.com](http://www.airbotx.com) for additional training and tips.



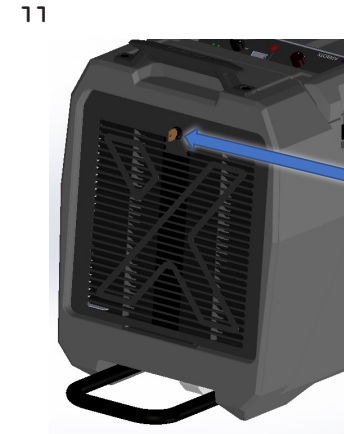
## Cleaning & Maintenance

### Materials you will need:

1. Latex gloves
2. Lint-free cloth or rag
3. Mix one part isopropyl alcohol with ten parts distilled water in a spray bottle
4. Airbotx key.

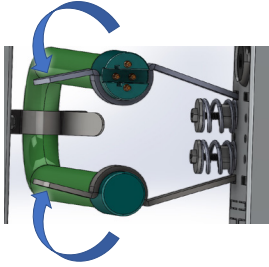
### Instructions for cleaning:

1. Turn off the power supply and unplug the cord.  
Never open the doors or remove the chamber while the machine is turned on.
2. Release the four latches and pull the chamber out of the Airbotx machine (see image 10).
3. Open and remove the side panel door by unlocking it and rocking it back (see image 11).
4. Remove all filters and replace if needed. The red LED light on the control panel will indicate when the primary HEPA filter needs to be replaced.

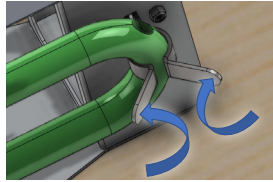


5. Remove the UV lamps for proper cleaning as follows:  
With a firm grip on the upper ceramic end piece of UV lamp, use your other hand to grip the ceramic wiring harness connector. Now 'wiggle' and gently pull ceramic harness connector end from the ceramic lamp end. Using both hands, remove the UV lamps from each retention clip once the wiring harness connection is separated and before any other machine cleaning takes place (see images 10, 11, and 14).

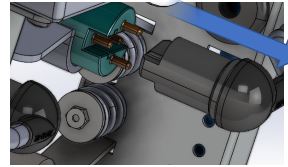
12



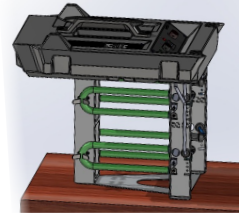
13



14



15



16



6. Once everything has been removed, wipe down all UV lamps with the 10:1 water to alcohol solution listed above. Be sure to wear latex gloves when handling the UV lamps, and always use a lint-free cloth or rag. Fingerprints and smudges will diminish the performance of the UV lamps.
7. Wipe down all interior and exterior surfaces with the same solution and lint-free cloth or rag, or, vacuum the areas to remove any debris. Do not use chemicals or other cleaning agents.

8. Again using both hands, place the UV lamps back in the retention clips and reassemble the connection of the ceramic wiring harness (female) to the ceramic lamp end (male) with a gentle wiggle action (see image 15).
9. Ensure everything is secure, place the chamber back in the Airbotx machine, and lock the four latches (see image 16).
10. Put the side panel door back in place and lock.

**Your 390X is now ready to operate!**

## Parts & Service

Only replace UV lamps with Lamp Model No. ABX-T6U64-610-1 manufactured by Airbotx, LLC.

For parts and service, contact your local dealer or Airbotx:

### **Airbotx**

16525 Southpark Drive  
Westfield, IN 46074

Phone: (317) 981-1811 | Email: [support@airbotx.com](mailto:support@airbotx.com)

## Proper Disposal of UV Lamps

UV lamps contain minimal amounts of mercury, which is a hazardous waste. They should not be disposed of with household waste. Please dispose of lamps in accordance with your local, state, and federal regulations.

## Warranty Registration

Airbotx, LLC warrants that the Airbotx machine will be free from defects in material and workmanship for a period of one year from the date of original purchase. Register your product at [www.airbotx.com/warranty](http://www.airbotx.com/warranty). Before you begin the registration, have the product serial number and a copy of your original proof of purchase ready to input.