



Spectrum-800

USER MANUAL





A WORD TO AIR SNIPER OWNERS

At Air Sniper, we design and build air supplemental air sanitization systems with complete customer satisfaction in mind. To assure trouble-free operation of your supplemental air sanitization system, please read this manual and follow installation recommendations.

An authorized Air Sniper representative will know the system best, and if service or maintenance is needed, the Air Sniper team is here to help. Our team is dedicated to providing you with the best possible service and assuring your satisfaction with our product.

For inquiries, questions or concerns regarding the unit, or any other Air Sniper products contact:



1.866.472.1059

info@airsniper.ca

Air Sniper Bay 11

6565 40th Street S.E.

Calgary, AB Canada T2C 2J9

Call, email or fill out the online form and one of our customer service specialists will get in touch with you.

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IMPORTANT SAFETY INSTRUCTIONS

WARNING: NEVER EXPOSE SKIN OR EYES TO UV LAMP WHEN OPERATING

Read and follow all instructions prior to installation. Read the directions and all safety labels prior to operation. Failure to follow any instructions or labels may result in injury of the user or damage to the unit. Save this manual for future reference.

1. The Spectrum-800 unit is intended to be used for supplemental air sanitization. **Do not** attempt to operate the UV-C lamps outside of the sealed housing.
2. Electrical shock may cause injury or possible death. Ensure that the unit is turned off and disconnected from the power source prior to installation or replacement.
3. Untrained personnel can perform installation and replacement of the unit as per the instructions within this manual. **Do not** attempt to perform any maintenance on your unit. Improper maintenance can result in damage to the unit and injury of the user. If your unit requires maintenance, please contact Air Sniper. Replacement of the UV-C lamp by the user is **not allowed**.
4. **Do not** attempt to modify your unit. Modification of this unit may result in injuries to the user or damage to the unit.
5. Inspect your unit for any abnormalities or damage prior to installation and use. Damaged units can result in harmful UV-C leaks. **Do not** operate units that are damaged.
6. If the supply cord is damaged, it must be replaced by the manufacturer, a service agent or similarly qualified persons in order to avoid a hazard.
7. This appliance contains a UV-C emitter. UV-C lamps contain small amounts of mercury. If the lamp is broken or damaged, clean and dispose of it properly as per your local safety regulations.
8. The Spectrum-800 unit is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or a lack of experience and knowledge, unless properly supervised. Children shall be supervised so that they do not to play with the unit.
9. It is recommended a minimum of 2 people are present when installing the unit. Units can be heavy and require care and precision when installing.
10. Air Sniper products are not waterproof. **Do not** attempt to use your unit in a wet environment.
11. Air Sniper products are designed for indoor use only. **Do not** attempt to install your unit outdoors.
12. The use of this device is a supplement to and not a substitute for standard infection control practices; users must continue to follow all current infection control practices related to cleaning and disinfection of environmental surfaces.
13. The Spectrum-800 unit does not require cleaning to continue to operate effectively.
14. **FIRST AID INSTRUCTIONS:** If Injury occurs, contact your doctor or appropriate emergency services.
15. **WARNING: UV RADIATION EMITTED FROM THIS DEVICE.** Unintended use of the appliance or damage to the housing may result in the escape of dangerous UV-C radiation. UV-C radiation may, even in small doses, cause harm to the skin and eyes



ABOUT YOUR UNIT

Thank you for purchasing the Air Sniper Spectrum-800 supplemental air sanitizing unit.

For more information on the Spectrum-800 unit and all other Air Sniper products and services, call (Toll Free) **1-888-338-9549**, visit www.airsniper.ca or email Air Sniper at info@airsniper.ca with any questions, comments or concerns.

DESIGN

The Spectrum-800 is made up of several key components listed below.

The Spectrum-800 unit is designed for supplemental air purification in commercial and residential spaces such as classrooms, office spaces and communal living areas. The Spectrum-800 allows for continuous supplemental sanitization of airflow up to 800 CFM. For greater airflow environments, multiple units may be necessary.



1. LED Indicators
2. Display Screen
3. On/Off Switch
4. Merv-8 Pre-filter



FEATURES

- 300 Watt UV-C Induction Lamp
- 6+ Year Lamp Life (55,200 Hours)
- Bluetooth Enabled
- Control Monitor
- 10x Fan Speeds
- Plug & Play

SPECIFICATIONS

Power Supply

Single Phase, 110v - A/C 50/60 Hz

Energy Consumption

6 Amp Max @ 110v A/C

Operating Temperature Range

-25°C / 100°C

Power Control Systems

Control Monitor, On/Off Switch, Airflow
Differential Pressure Sensor

Bulb Life

55,200 hours (6+ years) of high intensity
UV-C.

CFM

300– 800

Electrical Safety Certification

cETLus, UL & CSA Standards

Ozone Certification

UL867 (Lamp meets UL2998 requirements)

Weight

75 lbs (34.0 kg)

Dimensions

42.5" (H) x 24.5" (W) x 19" (D)

Housing Material

White Powder Coated Aluminum

Noise

21-47 dB (A)



INCLUDED PARTS

Included in the package you will find:

- 1. Spectrum-800 Unit
- 2. 10' Power Cable
- 3. AC Infinity Fan User Manual
- 4. Merv-8 Pre-Filter



DIRECTIONS FOR USE



CAUTION: Use care when unboxing and handling your unit. Ensure adequate space is available for unboxing, installation, and operation prior to attempting to handle your unit. Ensure that the intended placement of your unit allows access to the necessary power requirements and does not create a hazard once connected.

To operate your Spectrum-800 unit,

1. Connect the supplied 10' power cable to the unit. The connector end for the cable is found on the back of the unit.



2. Locate the nearest appropriate 110v A/C receptacle. If required, an extension cable can be used to extend the distance from the power receptacle. Proceed to plug in the unit.





- 3. Next, insert the Merv-8 Pre-Filter into the metal brackets on the bottom front face of the unit. Ensure the direction of the filter is correct by verifying the metal edges inside the filter are facing upwards.



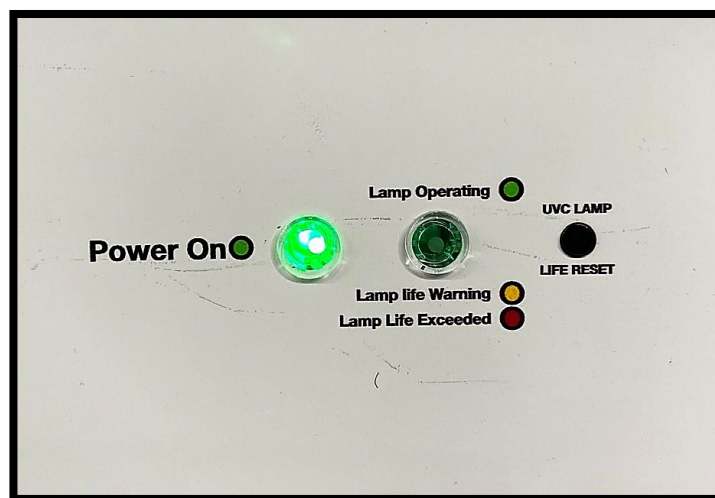
- 4. Confirming the power is properly connected, turn the unit on using the On/Off switch located on the front of the unit.



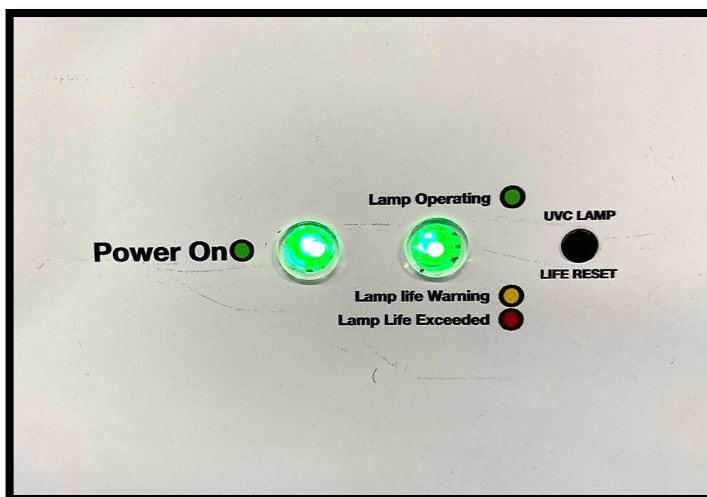
- 5. Adjust the fan speed to the desired level, the Spectrum-800 requires a minimum airflow to begin lamp operation.



6. The “**Power On**” LED should illuminate, if not turn the unit back off and inspect the cable connections to verify the unit is properly connected. Verify the fan speed setting is above 0.
 - a. If all the connections are correct and the outlet is tested to verify the unit is receiving power but the “**Power On**” LED still isn’t illuminated, turn your unit off and contact an Air Sniper representative.



7. Once the fan speeds are above 0 and airflow is detected, the “**Lamp Operating**” LED will illuminate, indicating the UV-C Lamp is on.








BULB STATUS

The “Lamp Operating” LED can illuminate three different colors, indicating differing bulb status.

The variations are as follows:

	Green: Lamp operating, the lamp is operating as intended.
	Yellow: Lamp life warning, the lamp is nearing the end of its lifespan, requires replacement in the near future.
	Red: Lamp life exceeded, lamp has reached the end of its lifespan, requires immediate replacement.

When the “Lamp Operating” LED color is **yellow** indicating “Lamp Life Warning” please contact your local distributor or an Air Sniper representative directly for a replacement. The Spectrum-800 is designed as a complete unit, therefore when the lamp expires, the entire unit must be replaced.

FILTER REPLACEMENT

The Air Sniper Spectrum-800 unit uses a Merv-8 Pre-Filter that is sized at 10” x 18” x 1”. Air Sniper recommends changing this filter once every three (3) months. If using the Spectrum-800 in an excessively dusty/dirty environment, a filter change may be needed sooner, do so at your own discretion. Merv-8 filters can be purchased locally or ordered online.

The Air Sniper Spectrum-800 warranty and performance specifications are only applicable to users who consistently use a Merv-8 Pre-Filter in their Spectrum-800. All other air filters are not capable of filtering the level of particulates required by the Spectrum-800.



TROUBLESHOOTING

If your unit is not operating as expected, there are several steps you can take to attempt to correct the problem.

If the “**Lamp Operating**” LED is not illuminating after powering on:

- Inspect the unit and the power cable to verify nothing appears damaged.
- Check that the selected power source is in fact providing power to the unit.
- Check that the On/Off switch is flipped to the on position.
- Once airflow is established with a fan speed from 1-10, the lamp indicator light will be lit.
- Check that both ends of the 10’ power cable are securely connected to the unit and the power source.

WARNING: Do not attempt to operate the UV-C lamp outside of the unit enclosure. UV-C radiation is extremely harmful to unprotected skin and eyes.

ADDITIONAL FACTORS

Given that air pressure can change at differing elevations and differing humidity levels, for safety reasons the lamp requires a minimum value of airflow to ensure safety.

If the “**Lamp Operating**” LED is not illuminated and you’ve verified a correct setup. Try increasing the airflow using the control monitor by adjusting the fan speed.

If the “**Lamp Operating**” LED is not able to illuminate at any fan speed and troubleshooting didn’t solve the issue. Please contact your Air Sniper representative at **1.888.338.9549** or email us at **service@airsniper.ca**



REPLACING YOUR UNIT

The Spectrum-800 unit uses a built in 300w UV-C lamp with a lifetime of 6+ years (55,200 hours, based on 24/7 operation).

To track the life of the lamp on your unit, check the “**Lamp Operating**” LED colour when the unit is powered on to determine the state of your unit. It is strongly recommended that the unit be replaced when the “**Lamp Life Warning**” **yellow** LED is illuminated.

When the lamp life has been exceeded, the LED will glow red. The entire unit will need to be replaced. Contact your local distributor or Air Sniper representative to order replacements.

WARNING: UV-C lamps generate heat during operation, allow 20-30 minutes after unplugging the unit for the lamp to cool down.

1. Disconnect the unit from the power source. The 10’ power cable can also be disconnected from the unit. Remove the Merv-8 Filter from the bottom of the unit.
2. Connect the 10’ power cable to the newly installed unit. Re-insert the Merv-8 Filter into the bottom of your new Spectrum-800.
3. Using the **On/Off** switch, turn the unit on, verify the control monitor is set to “On” and fan speed is set above 0. The “**Lamp Operating**” LED will now be illuminated.
4. Once the new unit is operational, carefully package the old unit with all included equipment (Power Cable & AC Infinity Fan Manual) to ship to your local distributor or directly to Air Sniper for store credit. The Merv-8 Filter is not required to be returned.



WARRANTY

We take pride in the quality of our products. In the case of a defective piece of equipment, AIR Alpine Innovative Research Inc. offers a limited five-year warranty on all our products (excluding bulbs). In case of a discovered defect, we will replace or repair the unit. Extended Warranty is available.

Limited Warranty Five Year Warranty

Alpine Innovative Research Inc. (AIR) warrants the Air Sniper™ unit to be free from defects in the workmanship or materials under normal use and service (the “Warranty”) for a period of three (3) years (the “Warranty Period”) from the date of purchase through an AIR-authorized dealer/distributor. During the Warranty Period, should an Air Sniper™ unit be determined to be defective, AIR shall repair or replace the defective Air Sniper™ unit(s) (at AIR or dealer’s option) within a reasonable period.

Remedy Procedures

If the Air Sniper™ unit proves defective within the Warranty Period, the purchaser may choose one of the following remedies, after contacting AIR for a Return Authorization Number:

1. Return the defective Air Sniper™ unit to the dealer/distributor from whom it was purchased together with a copy of the bill of sale, or dated proof of purchase thereof and the Return Authorization Number; or 2. Ship the defective Air Sniper™ unit directly to Air Alpine Innovative Research Customer Warranty Department along with the Return Authorization Number.

Limitations

This Warranty is the only representation regarding the Air Sniper™ unit, by Alpine Innovative Research Inc. of merchantability and fitness for use and shall extend to five (5) years from the date of purchase. The warranty excludes replaceable UV-C bulbs. If it is determined by either Alpine Innovative Research Inc. or an authorized dealer/distributor that the defect is the result of damage caused by the purchaser, the Warranty is null and void.

Contact us with any questions, comments or concerns pertaining to this warranty at Air Sniper by e-mail, telephone, or in-person at AIR, Alpine Innovative Research.

Customer Warranty Department

(Toll Free): 1.888.338.9549

info@airsniper.ca

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