

# SANUVOX

## SRMax Installation Manual



### WARNING

**READ AND FOLLOW ALL INSTRUCTIONS CONTAINED IN THIS MANUAL BEFORE USE.  
FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN PERSONAL  
INJURIES OR DAMAGED UNIT.**

Installation and servicing of equipment can be hazardous. Only trained and qualified service personnel should install, repair or service equipment. Follow national and local safety codes.  
Always wear safety glasses and work gloves for protection.

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## About the SRMax

### GENERAL

The SRMax is specifically designed to destroy biological and chemical contaminants\* such as mold, bacteria, viruses, chemicals, VOCs\* and odors\* that may be circulated through the HVAC system of your home.

The SRMax is installed in the RETURN (preferred) or SUPPLY plenum of our HVAC system treating the air passing through the reflecting chamber. The actual percentage of destruction obtained is based on percentage of fresh air, air velocity, the number of passes and specific contaminants to be treated.

For information or recommendations to size appropriately your specific application, please call Sanuvox at 1-888-SANUVOX.

\*Only with LMPRGXJ65 UV lamp

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## SAFETY PRECAUTIONS

Installation and servicing of air-conditioning and related equipment can be hazardous due to system pressure and electrical components. Only trained and accredited service personnel should install, repair or service such equipment.

Untrained personnel can perform basic maintenance functions such as replacing lamps. All other operations should be performed by trained service personnel. When working on the SRMax, observe precautions in the literature, tags, labels attached to the unit and any other safety precautions considered as best practices in the HVAC industry.

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## CLEANING PRECAUTIONS

For optimal air purification performance, the lamp and reflecting chamber should be kept free of dust / residue deposit and cleaned regularly using mild soaps or alcohol. Always spot test the cleaner to make sure it does not damage the surface.

Under no circumstances should water be sprayed or splashed onto the SRMax.

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## IMPORTANT SAFETY INSTRUCTIONS

### WARNING

Before installing or performing maintenance on the unit, TURN OFF and disconnect unit from power source.  
Electrical shock may cause personal injuries or possibly death.

Never expose eyes or skin to ultraviolet light from any source. The UV purifier MUST be DISCONNECTED from power source before performing maintenance of service. Personal injury may result.

Do not touch lamp glass without gloves. Reduced performance of lamp may result. Clean lamp after handling.

The UV lamp contains a small quantity of mercury. If a lamp breaks, clean and dispose of with care.

Use only specified replacement lamps with your unit. Use of an incorrect lamp can result in damage to the unit and/or lamp and will also void the warranty.

When applicable local regulations comprises more restrictive installation and/or certification requirements, the aforementioned requirements prevail on those of this document and the installer agrees to conform to these at his own expense.

When performing installation, servicing or cleaning the UV purifier, it is recommended to wear safety glasses and gloves.

### NOTICE

UV lamp can be disposed / recycled after use as any other fluorescent lamp.  
Contact and follow your local and national authorities' specific instructions.

## WARRANTY



The warranty applicable to the different components included in your purchase are as per the table below:

Component	Warranty
UV lamp	3 years
Ballast	3 years
Electronics (circuit board)	3 years

Make sure to keep a copy of your proof of purchase in order for the warranty to be valid.

## INCLUDED IN THE BOX

The SRMax you purchased includes the following :

Component	Qty
SRMax 	1
UV lamp LMPRGXJ65 	1
Installation Kit - UV Caution Decal - Maintenance Decal - Pair of cotton gloves - Metal screws for cover (Qty:4) - Phillips screws for frame (Qty:6) - 8-32 screws for turbulator (Qty:2) - Frame - Turbulator	1



## INSTALLATION GUIDE

Ensure that the site where the SRMax will be located can be supplied with the necessary power requirements (120-240V @ 50-60Hz). To find out the power consumption of the SRMax refer to the marking label on your unit.

Make sure that there is adequate clearance for service. Any plastic components in direct line-of-sight of the UV lamp should be shielded from direct UV exposure with aluminum foil or removed when possible. The Sanuvox wire-set is Teflon coated which makes it resistant to UV exposure.

The SRMax reflecting chamber has to be installed parallel to the airflow with the turbulator upstream to slow down the air as it moves in front of the UV lamp.

The suggested operating temperature range is 10 to 50°C (50 to 120°F). Operating the SRMax outside this range will result in decreased performance. For optimal performance, air temperature moving through the reaction chamber should be in the range of 15 to 20°C (60 to 70°F).

The SRMax is not weatherproof. Do not install outdoors



### WARNING

Follow all the Safety Instructions outlined in this document and respect all local and national codes applicable.

## STEP BY STEP INSTALLATION

### 1. Prepare the SRMax for installation

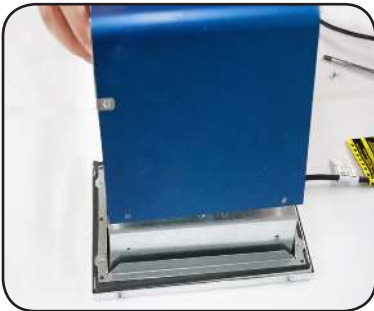
1.1 Remove the contents from the packaging. Only after you have visually inspected the UV lamp should you break the security seal on the underside of the cardboard sleeve.



1.2 Carefully slide the UV lamp out from the cardboard sleeve. Be sure to wear the cotton gloves (included) guaranteeing a clean lamp free from fingerprints. Fingerprints on the lamp will negatively impact the UV output of the lamp.



1.3 To install the UV lamp, remove the reflecting tube by removing the 4 screws on either side.



1.4 Slide the UV lamp porcelain end-cap (with 4 pins) through the clamp. Use the wingnut to tighten the clamp and secure the lamp. Do not over tighten the wingnut as this could damage /break the UV lamp. Insert the lamp connector over the 4 pins of the UV lamp.



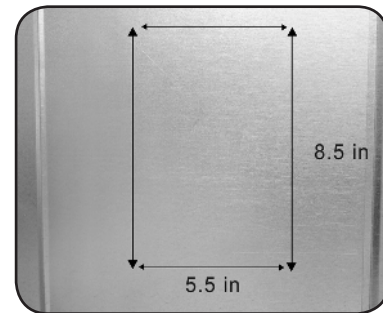
1.5 Reinstall the reflecting tube by making sure that the turbulator is facing the airflow so that it will slow down the air as it passes in front of the UV lamp.



### 2. Prepare the duct (return or supply) for installation

2.1 Evaluate the ideal area for installing the air purifier. The reflection chamber should always be parallel to the air-flow. Ensure that the purifier will fit into the plenum and position it keeping in mind to minimize plastics exposure to direct UV light.

2.2 Use the included metal frame to trace the outline onto the duct. Allow for a 1/8" space around the marking as to allow the frame to sit properly in the duct. The duct opening window should have the following dimensions: 8.5" x 5.5".



2.3 Cut out the window opening onto the duct. Place the frame into the opening made in the duct and use the 6 metal screws provided in the installation kit to secure it to the duct.



### 3. Finalize SRMax installation in the duct and power ON

3.1 Place the SRMax into the frame, guided with the alignment pins.



3.2 Secure the SRMax to the frame with the 4 remaining screws located in the 4 corners of the SRMax cover.



3.3 Use the power cord of the unit to plug into a wall outlet that provides the power as indicated on the marking label of the product. An extension cord may be used if there is not a power outlet close to where the SRMax is installed.



3.4 You are now ready to power ON your new SRMax and enjoy great air quality for you and your family.

## INFORMATION FROM THE STATUS LED

### Normal operation

- GREEN : In operation
- ORANGE : Heartbeat followed by 1 flash - lamp over 3 years that needs to be replaced
- BLUE : Heartbeat, stand-by waiting for airflow

### At start-up

- BLUE : Airflow detection activated\*
- WHITE : Factory setting, airflow detection de-activated

### Error code \*\*

- RED (2 flashes) : Lamp or ballast failure
- RED (3 flashes) : Thermistor disconnected
- RED (4 flashes) : Thermistor shorted

\* Refer to the section below **Activating airflow detection**    \*\* Refer to troubleshooting ([sanuvox.com/help](http://sanuvox.com/help))



## ACTIVATING AIRFLOW DETECTION (OPTIONAL)

The SRMax default factory mode, when the unit is plugged in and the power switch is ON, will leave the lamp ON at all times in order to reduce the cycling strain on the lamp and improve its life.

It is possible to activate the airflow detection if required.

The activation procedure is the following:

1. If your unit is powered ON, start by turning OFF the power switch.
2. Use a small object similar to a paper clip and insert it into the reset hole in order to be able to press the reset button.
3. First, turn ON the power switch and then press the reset button. You have 5 seconds from the moment the unit is powered ON to press the reset button to activate the airflow detection.

Every time you press the button you will notice that the LED color will either be “Blue” or “White”. When the LED is “Blue” the airflow detection is activated. Wait 5 seconds for the control circuit to save the setting.

4. From now on, the SRMax will only activate when airflow is detected in your duct system.



## RESET THE LAMP TIMER

After installing the lamp, make sure the timer function is reset.

1. To reset the lamp timer the unit **needs to be powered and turned ON**. The status LED should either be ‘Green’ or ‘Blue’ (heartbeat).
2. Use a small object similar to a paper clip and insert it into the hole in order to be able to **press the reset button**.
3. Press and hold the reset button for a **minimum of 3 seconds**. When releasing the reset button the counter will be reset.

## Replacement parts

Part Number	Description
BST120/240GL	Ballast with mutli-voltage input of 120 to 240V (50-60Hz)
LMPRGXJ65	T6 Regular Dual Zone (UVC / UVV) 6.5in “J” shape UV lamp
LMPRGJ65	T6 Regular Germicidal (UVC) 6.5in “J” shape UV lamp