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# SANUVOX

## Bio Smart Screen 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.**

All wiring must be done by a professional and in accordance with national and local electrical codes.  
Always wear safety glasses and work gloves for protection.

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## To The Owner

### Thank You

Congratulations on the purchase of the Sanuvox Bio Smart Screen. This option will greatly enhance your experience of the UV Bio-Wall Max air purifier by providing you with added functions. Those functions include distant monitoring of lamp/ballast status and lamp age as well as the ability to reset the lamp timer for each lamp individually tracking them with more precision.

Engineered and assembled in Montreal (Quebec), Canada, Sanuvox products are carefully crafted to deliver to you the best that UV Air Purification can offer and improve your air quality.

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## About the Bio Smart Screen

### GENERAL

The Bio Smart Screen was specifically designed to be used in conjunction with your Sanuvox UV Bio-Wall Max air purifier.

For information or recommendations relative to sizing for your specific application, please call Sanuvox at 1-888-SANUVOX.

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### SAFETY CONSIDERATIONS

Installation and servicing of the Bio Smart Screen should be performed by trained and accredited personnel only.

Untrained personnel can perform basic maintenance functions such as reconnecting the power and data cables to the Bio Smart Screen. All other operations should be performed by trained service personnel. When working on the UV Bio-Wall Max air purifier, 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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### HANDLING CONSIDERATIONS

The Bio Smart Screen is fragile. Being used in commercial and industrial environment, additional care should be taken in order to not damage the screen.

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### CLEANING CONSIDERATIONS

Use a damp cloth with mild soaps or alcohol cleaners to clean the exterior of the Bio Smart Screen enclosure and the touchscreen. 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 Bio Smart Screen.**

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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 expenses.

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 federal authorities' specific instructions.

## WARRANTY

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

Component	Warranty
Bio Smart Screen	1 year

## INCLUDED IN THE BOX

The Bio Smart Screen you purchased comprises the following:

<b>Component</b>	<b>Qty</b>
Bio Smart Screen 	1
5VDC Power Supply 	1
20ft Ethernet Cable 	1
Cable Grommet 	1

## INSTALLATION CONSIDERATIONS

Ensure that the site where the Bio Smart Screen will be located can be supplied with the necessary power requirements (100-240V @ 50-60Hz). The 5VDC power supply provided needs to be plugged in a power outlet.

The suggested temperature range is 4 to 40°C (40 to 105°F). Operating the Bio Smart Screen outside this range could weaken the bonding material holding the screen to the plastic enclosure.

The Bio Smart Screen is not weatherproof. If installing outdoors, the Bio Smart Screen must be installed in a watertight enclosure and adequate air circulation must be provided.

Some hardware is not included with the Bio Smart Screen and will need to be provided by the installer to complete the installation.

### WARNING

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

## STEP BY STEP INSTALLATION

### 1. Select Location

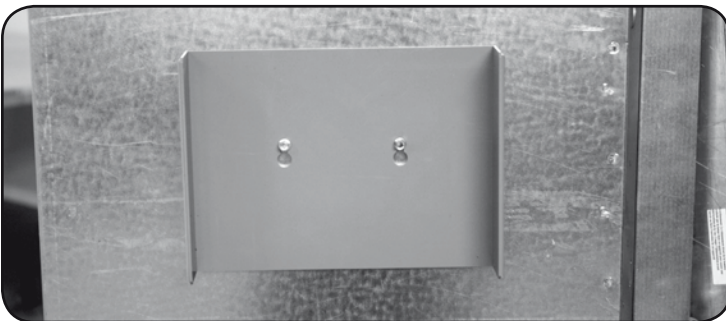
First, select the location of the Bio Smart Screen. In order to do so, keep in mind that the touchscreen has to be located near a power outlet and that the Ethernet cable of 20ft provided has to run between the ballast box and the touchscreen.

You could always consider procuring a longer Ethernet cable if the 20ft provided is not adapted to your installation. We recommend not using cables longer than 100ft. Ensure that the cable is a Ethernet cable straight-through (standard) and not a crossover.

The preferred location for Bio Smart Screen should allow for an easy access and high visibility, preferably on a wall at eye level. Environmental conditions, where the Bio Smart Screen is installed, should be of 4 to 40°C (40 to 105°F) with a non-condensing humidity level.

### 2. Secure Enclosure to Wall

Separate the front cover from the back cover of the plastic enclosure that holds the touchscreen. Set aside the front cover (attached to touchscreen). Depending on the type of surface you encounter, use the appropriate screws (and anchors) to secure the back cover to the wall.

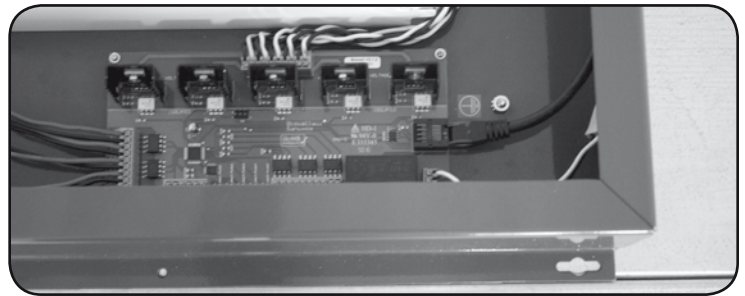


By aligning the guiding grooves of the top first, gently press in the front cover to reassemble it with the back cover already affixed to the wall with the Sanuvox logo facing straight.



### 3. Connect the Ethernet Cable to the Ballast Box

Make sure the power to the ballast box is disconnected before following the next steps. Remove the cover of the ballast box. Push in the desired knockout and run the cable through it and connect it to the Ethernet port located on the PCB. Insert the grommet around the cable and fit it in the knockout to create a seal. Close the cover of the ballast box and power ON the UV Bio-Wall Max.



### 4. Connect the Ethernet Cable and Power Supply to the Bio Smart Screen








Connect the remaining end of the Ethernet cable to the Ethernet port of the Bio Smart Screen. Finally, plug in the power supply into the power outlet and connect the DC power jack to the Bio Smart Screen female jack.



## SETTING and USING BIO SMART SCREEN

Once installed, you are ready to use the Bio Smart Screen to gain useful insight on the lamp status and usage. By touching the Sanuvox home screen you will access the lamp menu.

Here are all the icons you will encounter while using the Bio Smart Screen.

Icons	Description
	Lamp is ON
	Lamp is ON and has been operating for more than 2 years. The lamp should be replaced with a new one.
	Lamp is OFF. The lamp and/or ballast might need to be replaced.
	The 2 fans located in the ballast box are not ON. Fans might be jammed or they need to be replaced.
	Exit to previous menu
	Settings (select language French or English)
	Reset lamp timer upon installing a new lamp





### Lamp Menu

The lamp menu displays the lamp status icons for each lamp as well as the time that they have been ON. By clicking on one of the lamp pictogram, you will access the lamp setting menu.



### Lamp Setting Menu

This menu will provide you the information on the lamp ID number, the type of lamp that is installed and its status. Once you have replaced a lamp you can reset the 2 year timer through the lamp setting menu.



### Admin Menu

From the lamp setting menu you can access the admin menu by touching the bottom left corner followed by the right bottom corner of the touchscreen. In the admin menu you'll be able to change the change the lamp type by selecting its length and the type (G-germicidal, X-oxidizing and TF-teflon coated).



### Replacement Parts

Part number	Description
BIOSCREEN	Bio Smart Screen with power supply, Ethernet cable and installation kit