



## INSTALLATION, OPERATION, AND MAINTENANCE INSTRUCTIONS MODEL MB500X CEILING MOUNT AIR PURIFIER

### GENERAL

The Sanuvox ceiling Mount Air Purifier is designed to be installed in the suspended ceiling of the building. An internal fan circulates air through the ceiling mounted air purifier.

### INSTALLATION

**Location-**the Sanuvox ceiling mounted air purifier is installed in a 2 by 2 ft. area in a suspended ceiling at least 8 inches deep, where it will have contact with the air stream. Make sure there is adequate clearance [at least 2 ft.] for access door to swing down for service or maintenance.

Make sure the installation location can be supplied with the necessary power requirements. The Sanuvox Ceiling Mount Air Purifier has a power consumption of 25 watts and require a 120 volt, 60 Hz power source.

The operating temperature range is 50 to 115 F. Operating outside of this range will result in decreased performance.

**Note:** The air purifier is not waterproof. Do not install outdoors.

**Assembly:** No assembly is required. Make sure the plastic covering the charcoal filter is removed before operation.

**Installation:** Perform the following to install the air purifier:

1. Turn off main power switch.
2. Remove ceiling tiles in area where air purifier is to be installed.
3. Field-supplied hardware is required to install the air purifier in the suspended ceiling. Attachment holes are provided on each corner to attach support wires. Field-supplied brackets may also be used.
4. Remove wiring junction box cover from side of air purifier. Squeeze the sides of cover and pull out to remove.
5. Route the incoming power wiring through the hole in the slide of the junction box cover.
6. Connect wiring to air purifier with field supplied wire caps. Connect green wire to ground. Connect white and black wires to power supply. Air purifier may be wired in parallel [with overhead lighting, for example] or may have a separate power supply. All field wiring must comply with NEC and all local requirements.
7. Re-install junction box cover.
8. Re-install ceiling tiles around air purifier, cutting tiles when necessary. Do not obstruct airflow to and from air purifier.
9. Restore power.

### Operation

If wired directly to a dedicated power source, the air purifier will operate continuously. If wired in parallel with other devices, such as overhead lighting, the air purifier will operate only when the circuit is energized.

The internal fan circulates air through the ceiling mounted air purifier. Room air is drawn in through the polypropylene filter and passes the ultraviolet lamp. The purifier air exits through the charcoal filter.

A safety switch is provided to stop operation if the cover is opened. Do not hold down the door interlock switch when cover is opened. Ultraviolet bulb will energize which can cause injury to eyes and exposed skin

### Maintenance

Disconnect all power before performing any maintenance or service.

Filter media should be cleaned once a year or when filters become clogged and restrict airflow.

**Lamp Replacement-**UV Lamps need periodic replacement to maintain design specifications. Replace lamp after two years of operation.

To change the lamp, perform the following procedure:

1. Shut off all power to air purifier.
2. Open the cover of the air purifier by turning the locking screws 1/4 turn to the right. Cover will swing down.
3. Remove wiring plug from lamp.
4. Loosen wing nut in clamp holding lamp in place. Slide out lamp and discard.
5. Insert a new lamp in clamp, make sure rubber grommet of lamp is inside clamp. Handle lamp by ceramic end only. Do not touch lamp glass without gloves. Decreased performance of lamp may result. Clean lamp after handling.
6. Tighten wing nut to hold lamp in place.
7. Push wiring plug onto end of lamp. If plug does not fit on end of lamp, rotate plug 90 degrees. Plug will only fit onto lamp in correct orientation.
8. Make sure locking screws are pushed in completely and cover is completely close.
9. Return power to the MB500X.