

# SMS-VIBX

Surface Transducer Sound Masking Speaker  
User Guide



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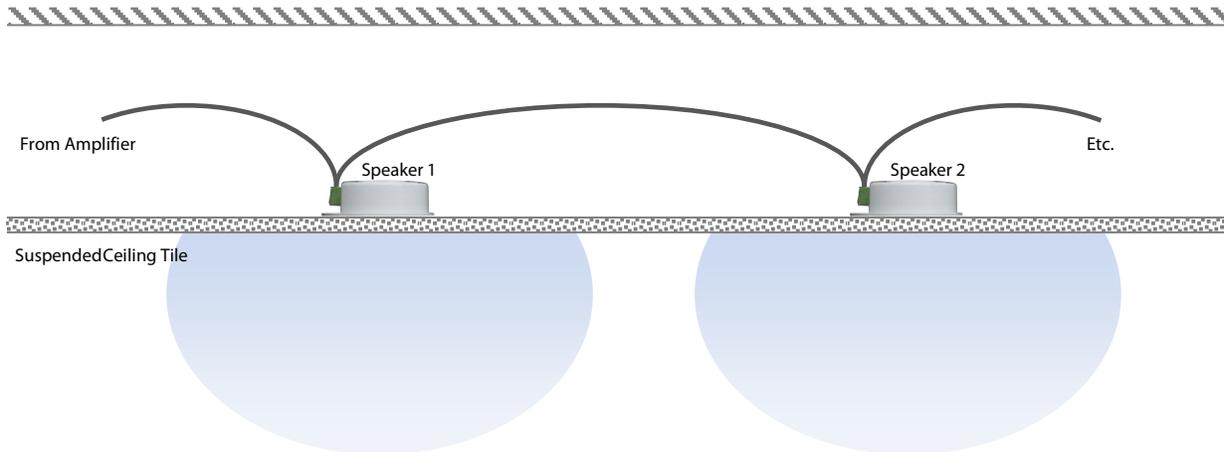
## 1 Overview

Hidden within the plenum and mounted to the back of suspended ceiling tiles or gypsum board drop ceilings, the SMS-VibX converts these ceiling surfaces into large loudspeakers, providing an impressively diffuse and clear sound field.

The SMS-VibX is also an improved alternative to surface-mounted speakers in the case of gypsum, wood or any drop ceilings. Unlike surface or direct-field speakers, the SMS-VibX does not create acoustical hot spots, providing a significantly more diffuse sound field for excellent sound masking uniformity.

The SMS-VibX provides an innovative alternative to surface speakers to obtain uniform sound masking without any compromise on the esthetic of the ceiling.

*Note: The SMS-VibX is not suitable for paging or music.*



## 2 Specifications

Specifications	
Power	5W
Enclosure Material	Fireproof ABS
Frequency Response	100 Hz to 10 kHz
Connectors	Screw-On
Driver	Vibration Transducer
Mounting	Self-adhesive*
Color	White (RAL9016)
Weight	0.14 kg (0.3 lbs)
Shipping Weight	0.25 kg (0.6 lbs)
Box Dimensions	14.5 x 14.5 x 3.5 cm (5½ x 5½ x 1¼")

\* : Self-adhesive on a clean surface such as painted gypsum. Use construction adhesive on a rougher surface.



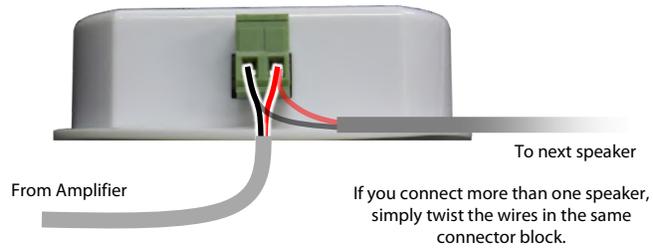
## 3 Installation

### 3.1 Safety Instructions

- Read and keep these instructions.
- Heed all warnings and follow all instructions contained within this manual.
- Install in accordance with the manufacturer's instructions.
- Clean only with dry cloth.
- Do not install near water.
- Do not block any ventilation openings.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- Use the power cord with sealed mains plug appropriate for your local main supply as provided with the equipment. If the provided plug does not fit into you outlet contact the manufacturer.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments and accessories specified by the manufacturer.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as when the power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Operate the product only with the voltage specified on the unit. Fire and/or electric shock may result if a higher voltage is used.
- Do not modify, kink, or cut the power cord. Do not place the power cord in close proximity to heaters and do not place heavy objects on the power cord and/or the product itself, doing so may result in fire or electrical shock.
- Be sure the installation of this product is stable, avoid slanted surfaces as the product may fall and cause injury, property damage, electrocution and/or fire.
- Do not open the cover.

### 3.2 Connecting the Speaker

Connect the SMS-VibX speakers using plenum rated 18/2 FT4 cable. Twist the bare copper ends and insert them in the terminal block.



Since the SMS-VibX requires more power, only 4 to 6 SMS-HDN speakers are allowed on a sound masking controller output. Refer to sound masking controller specifications for more details.

### 3.3 Securing the Speaker

The SMS-VIBX Sound Masking Speaker can be bonded on any acoustical tile, gypsum or wood panel using the self-adhesive sticker on a clean surface or standard construction adhesive or quick set time spray adhesive for more rough surfaces.

#### 3.3.1 Bonding the SMS-VIBX using the self-adhesive sticker

- 1) Remove dust from the surface where the SMS-VIBX is to be bonded to;
- 2) Peel the protective paper from the self-adhesive surface;
- 3) Press the SMS-VIBX on the surface.

#### 3.3.2 Bonding the SMS-VIBX using Construction Adhesive

- 1) Remove dust from the surface where the SMS-VIBX is to be bonded to;
- 2) Put strips of glue, about 2 inches (5 cm) apart, on the SMS-VIBX;
- 3) Press the SMS-VIBX on the surface while making small movements allowing the glue to spread;
- 4) Wait about 12 hours until the adhesive is cured before powering the SMS-VIBX and perform the calibration.

#### 3.3.3 Bonding the SMS-VIBX using quick set time spray adhesive (3M Type 77):

- 1) Thoroughly clean the surface where the SMS-VIBX is to be glued from any dust;
- 2) Spray the adhesive on both surfaces to bond (the SMS-VIBX and the tile for example);
- 3) Wait a couple of minutes as requested on the spray adhesive instructions and press the SMS-VIBX to the surface;
- 4) Wait about 1 hour until the adhesive is set before powering the SMS-VIBX and perform the calibration.