

SONANCE

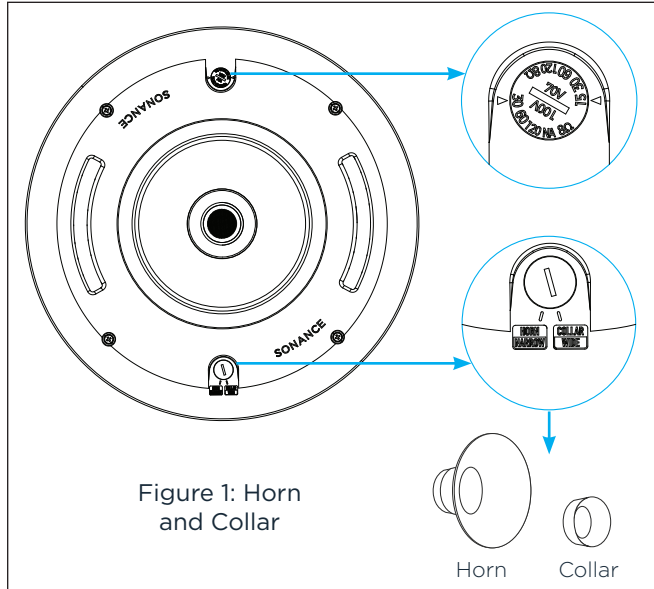
PROFESSIONAL SERIES HIGH OUTPUT IN-CEILING LOUDSPEAKER QUICKSTART GUIDE

BOX CONTENTS

- (1) PS-C85RT
- (1) Round White Grille (Black Grille Optional)
- (2) Tile Support Rails
- (1) C-Ring with Two (2) Screws
- (1) Cutout Template
- (1) Euroblock Wire Connector
- (1) Variable Dispersion Horn
- (1) Collar Claw Removal Tool
- (1) Wire/Conduit Clamp

BEFORE YOU BEGIN

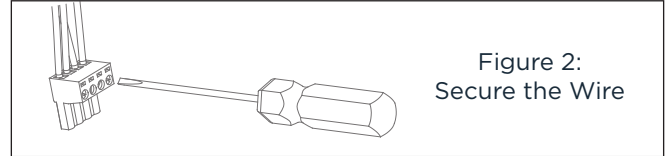
Install the appropriate dispersion assembly. Sonance Professional Series High Output Loudspeakers feature a magnetic interchangeable collar/horn assembly that can be swapped out to achieve the desired coverage. For wide coverage applications, leave the collar assembly in place (comes installed as default). For narrow coverage applications, remove the collar and install the horn. **The selector located on the baffle must be assigned to the appropriate position to match the installed assembly.**



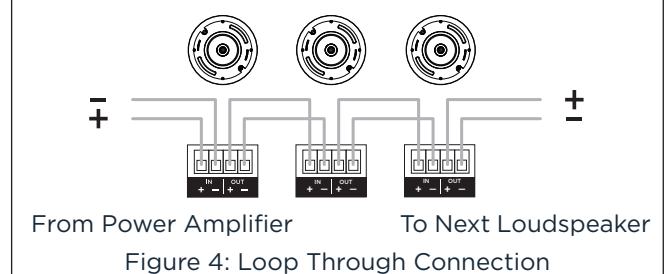
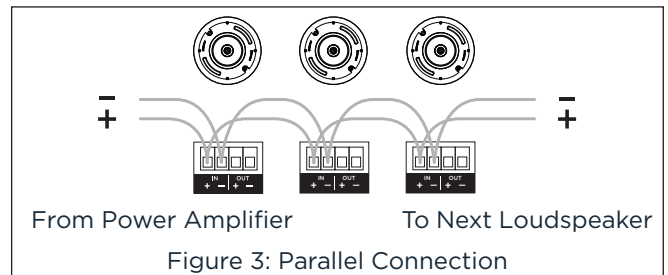
NOTE: Collar comes installed and switch selection is set to "Collar" as default setting out of the box.

INSTALLATION

1. Cut a hole in the drywall or other ceiling substrate using the supplied cutout template.
2. Connect the wires from your amplifier to the Euroblock connector.
3. Strip approximately 0.1875" (5mm) of the insulation off each wire. Insert the wire into the correct square opening on the connector. Use a small flat head screwdriver to tighten the corresponding screw to secure the wire (see Figure 2).

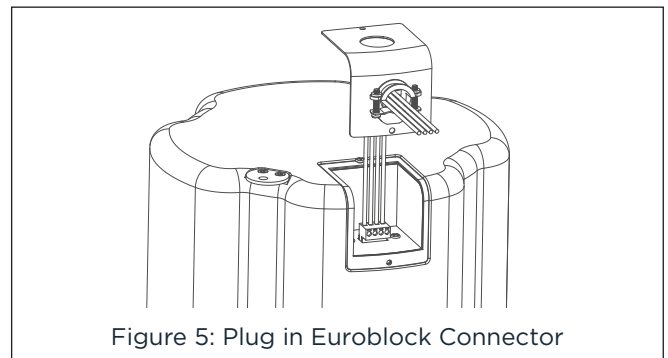


When using multiple loudspeakers you can connect the loudspeakers either in parallel or in the loop through method as shown (see Figures 3 and 4).



NOTE: Square grille installations require the use of the square grille adapter frame which will be installed around the speaker baffle before being inserted into the surface opening. Square grille adapter is included with purchase of square grille.

4. Once all the wires are terminated, plug the green Euroblock connector into the back of the loudspeaker (see Figure 5).



Route the wires through the Strain Relief Fitting on the back of the loudspeaker. Tighten the screws on the strain relief to clamp the wires. Make sure not to over-tighten the screws and damage the wire.

5. Make sure the Roto-Lock Clamps are in the full clockwise position so that all the clamps are tucked within the cutout border. Insert the loudspeaker into the hole in the ceiling (see Figure 6).

NOTE: The Sonance Roto-Lock system can accommodate material thicknesses up to 1.5" (38mm) out of the box. For deeper substrates that are up to 2.125" (54mm) thick, remove the tip of the Roto-Lock toggles before inserting the speaker into the cutout opening.

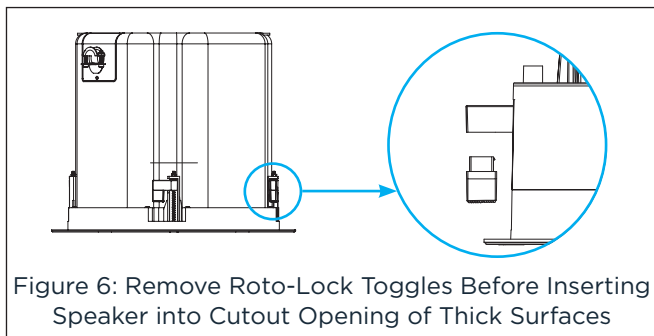


Figure 6: Remove Roto-Lock Toggles Before Inserting Speaker into Cutout Opening of Thick Surfaces

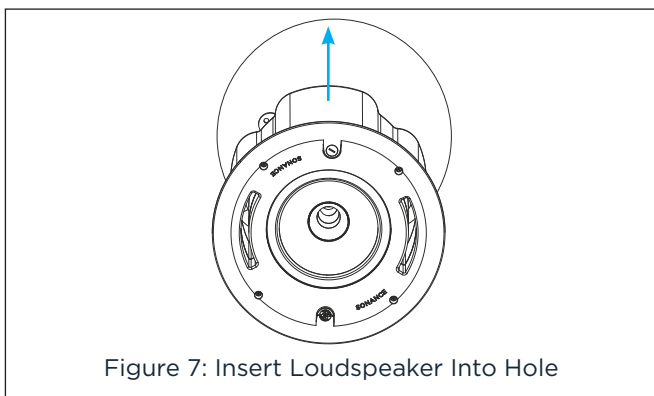


Figure 7: Insert Loudspeaker Into Hole

SAFETY PRECAUTION: Attaching one or both seismic tabs to a support line is highly recommended for additional safety.

6. Tighten the four screws on the front of the baffle. The Roto-Lock Clamps will rotate into position automatically and begin clamping. When you notice resistance on the four screws, the loudspeaker has been clamped successfully. **DO NOT OVER TIGHTEN.** The flange is designed to flex and conform to any small imperfections in the ceiling surface.
7. Determine the proper wattage setting and set the selector tap for each speaker accordingly by aligning the arrow position with the 70/100V wattage value or 8 ohm bypass.
8. After the loudspeaker is installed, and transformer tap adjustments are made, the grille can be installed. The grille is held in place by several small, powerful magnets on the loudspeaker frame. Place the grille against the loudspeaker and the magnets will hold it firmly in place. When properly installed, the grille should make contact with the wall all the way around the loudspeaker (see Figure 9).

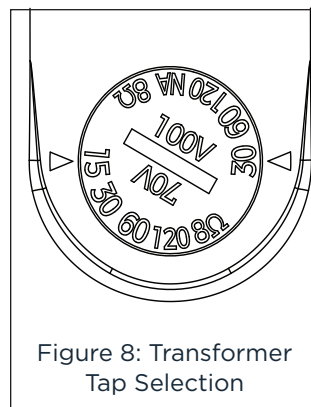


Figure 8: Transformer Tap Selection

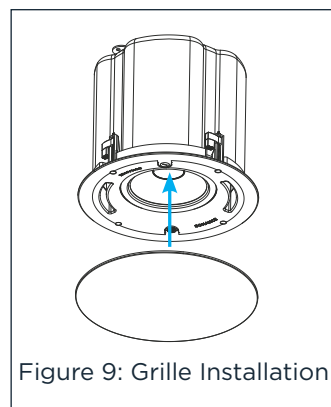


Figure 9: Grille Installation

DROP CEILING INSTALLATION

1. The included C-bracket and tile support rails should be used in all suspended ceiling installations. The C-bracket and tile support rails can also be used in installations when the loudspeakers are mounted into material that will not support their weight. Insert the two tile support rails and C-bracket through the hole you have cut, placing them as shown. Using the two screws that are supplied, screw the C-bracket to the tile support rails as shown (see Figure 10 and 11). After the C-bracket and tile support rails are installed follow Step 2 through 8 in the previous installation instructions.

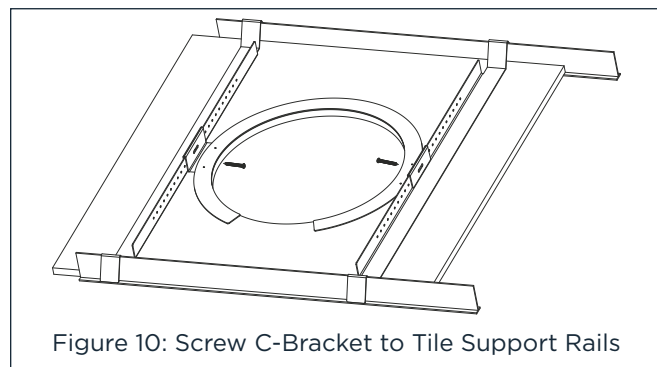


Figure 10: Screw C-Bracket to Tile Support Rails

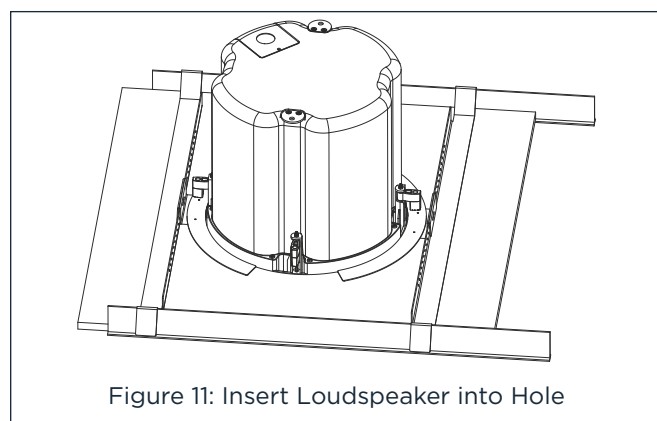


Figure 11: Insert Loudspeaker into Hole

SAFETY PRECAUTION: Attach support line to the seismic support tabs in accordance with local building codes.



For warranty information and detailed installation support, access the full manual here. For technical support call 949.492.7777 or visit www.sonance.com

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