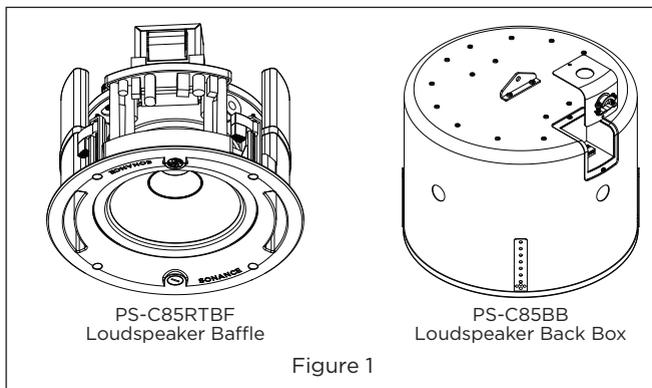# SONANCE

SONANCE PROFESSIONAL SERIES HIGH OUTPUT PRE-INSTALL SYSTEM
QUICKSTART GUIDE

SYSTEM COMPONENTS

(1) PS-C85RTBF
- Includes: Variable Dispersion Horn, Collar Claw Removal Tool, Round White Loudspeaker Grille (Black Grille Optional)

(1) PS-C85BB
- Includes: Cutout Template, Euroblock Wire Connector, Baffle Wire Whip, Conduit Cover Plate, Wire/Conduit Clamp
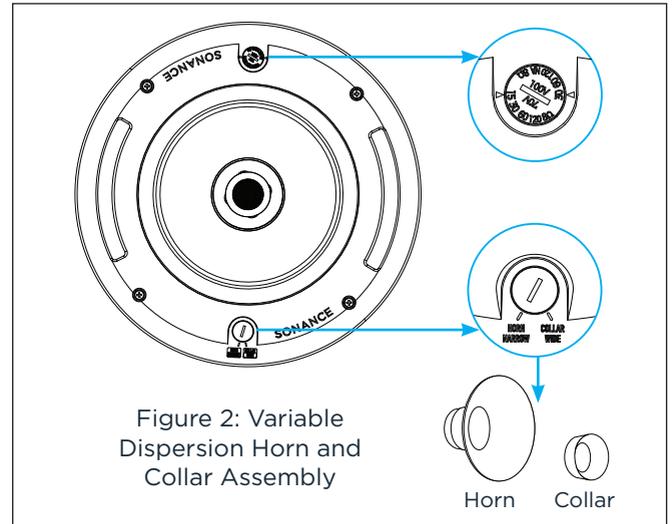
KEY FEATURES

- Separate baffle and backbox to align construction schedules
- Selectable dispersion with interchangeable horn/collar
- Knockouts on top and sides
- Lined with 0.5" (12mm) thick MDF to elimante resonances and to provide extra bass response

PS-C85RTBF
Loudspeaker Baffle

PS-C85BB
Loudspeaker Back Box

Figure 1

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.**
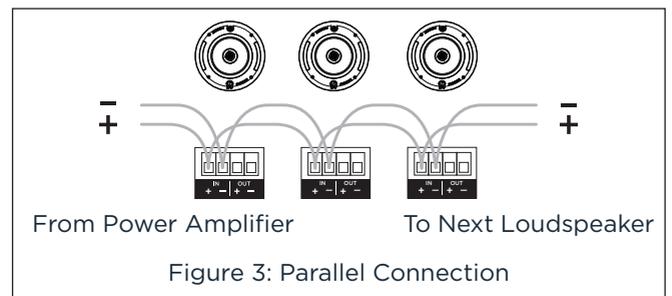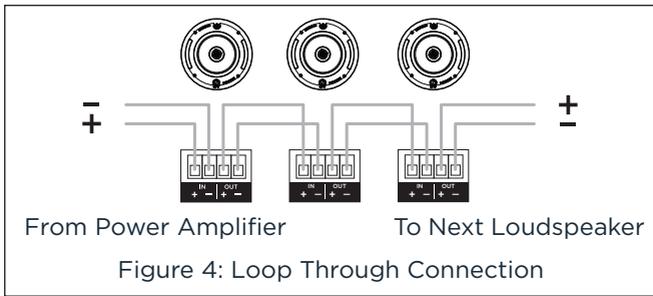

Figure 2: Variable Dispersion Horn and Collar Assembly

Horn   Collar

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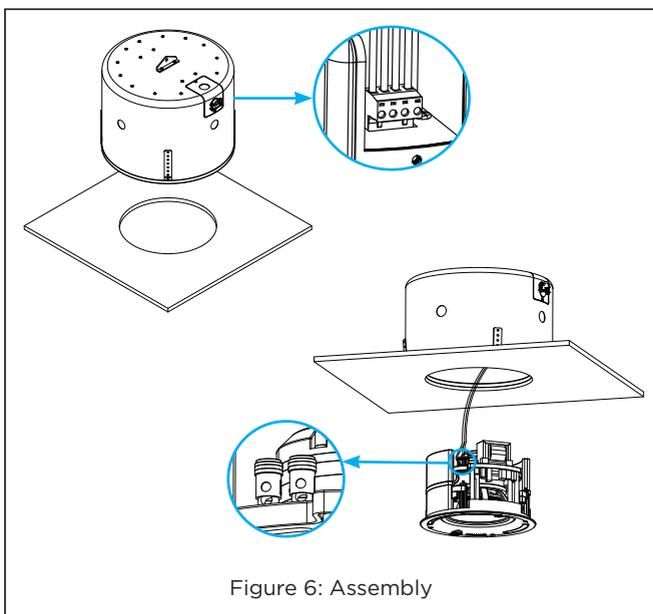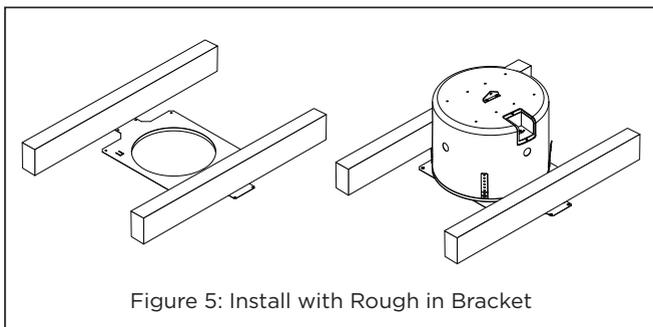
ASSEMBLY

PS-C85BB BACK BOX INSTALLATION

1. Secure the back box to the structure either by suspension or framing. Optionally, use a rough-in bracket secured to ceiling joists and place the back box into position on top of the bracket opening.

2. Run the speaker wire from the amplifier to the back box location. Route the wires through the Strain Relief Fitting on the back of the back box. Tighten the screws on the strain relief to clamp the wires. Make sure not to over-tighten the screws and damage the wire.

3. Connect the wires to the Euroblock wire connector (included with PS-C85BB Loudspeaker Back Box). 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.

From Power Amplifier   To Next Loudspeaker

Figure 3: Parallel Connection

From Power Amplifier   To Next Loudspeaker

Figure 4: Loop Through Connection

PS-C85RTBF BAFFLE INSTALLATION

4. Once drywall is installed, insert the baffle assembly into the back box opening. Make sure the Roto-Lock Clamps are in the full clockwise position so that all the clamps are tucked into the baffle to fit into the back box opening. Insert the loudspeaker baffle into the opening.

5. Join the wiring harness between the back box and the speaker baffle. Connect the stripped wire to the spring loaded wire terminals on the back of the speaker baffle, connecting the black wire to the black terminal and the red wire to the red terminal.

6. Use a screw driver or drill on lowest setting to secure the baffle to the back box via the four dog ear screws around the baffle.

Figure 5: Install with Rough in Bracket

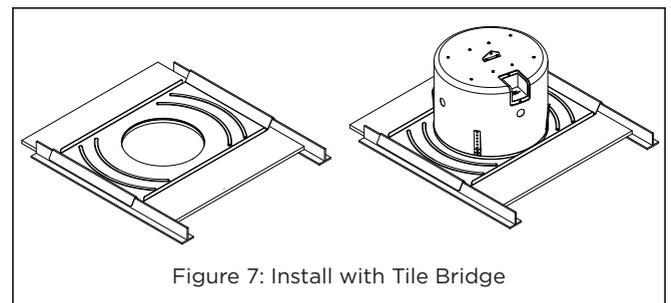Figure 6: Assembly

SETTING THE TRANSFORMER TAP SWITCH

1. 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.

2. 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.

DROP CEILING INSTALLATION

Use the optional PS-C85BB Tile Bridge in all suspended ceiling installations. The PS-C85BB Tile Bridge can also be used in installations when the loudspeakers are mounted into material that will not support their weight.

1. Lay the tile bridge into the T-grid behind the ceiling opening.

2. Secure the tile bridge in place.

3. Once installed, follow the previous steps in this Quickstart Guide to install the PS-C85BB and PS-C85RTBF back box and baffle.

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

Figure 7: Install with Tile Bridge

RECOMMENDED ACCESSORIES

- PS-C8R Metal Rough-in Bracket | 40125
- PS-C85BB Tile Bridge 6 Each | 40277

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