Sound Acoustics

Premium Residential & Commercial Audio/Video Products

SA-55TB & SA-810TB

25/70V/8 Ohm
Commercial In-Ceiling Speakers

Owner's Manual

Thank you for purchasing Sound Acoustics commercial in-ceiling speakers.
All Sound Acoustics products are designed and engineered to the highest possible standards and provide professional installers with many unique features. Please read this manual to get the most from your Sound Acoustics products.

Package Contents:
1 x cut-out template.
1 x rough-in bracket.
1 x speaker/transformer/back box assembly.

Features:
25/70 Volt Transformer
0.5, 1, 2, & 4 watt taps & 8 ohm bypass (SA-55TB only).
1.25, 2.5, 5, & 10 watt taps & 8 ohm bypass (SA-810TB only).
Optimized for voice paging and background music.
Quick installation spring clips (no screws).
Euro connector.

Pre-construction drywall ceiling installation:
1. Unpack the included rough-in bracket.
2. Attach the rough-in wings to the bracket center piece by snapping the wings into the end slots.
3. Nail or screw the bracket across the ceiling joists (perpendicular) with the circular lip facing the floor.
4. Run two conductor 18 awg unshielded stranded copper speaker wire from the amplifier location to the center of the rough-in bracket and leave approximately two feet of extra wire.
5. The drywall installers should cut the circular hole for the speaker when installing the drywall. Always take note of the bracket location in the room.
6. Follow “Wire Connections and Operation” & “Spring Clip installation” instructions below.

Drop Ceiling (ceiling tile) Installation:
1. Remove the ceiling tile.
2. Use the cutout template to trace a circle on the ceiling tile.
3. Cut out the traced circle with a drywall knife or hole cutter.
4. Place the included rough in bracket (ring only) on the back side of the ceiling tile with the circular lip facing the floor. NOTE: The rough in bracket wings are not necessary for drop ceiling installations.
5. Run two conductor 18 awg unshielded stranded copper speaker wire from the amplifier location to the center of the rough-in bracket and leave approximately two feet of extra wire.
6. Follow “Wire Connections and Operation” & “Spring Clip installation” instructions below.
7. Re-install the ceiling tile.

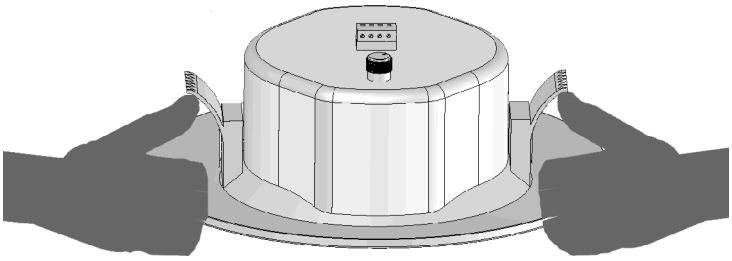
Wire Connections and operation:
1. Remove the Euro connector from the back of the speaker.
2. Loosen the Euro connector's screws with a small slotted screwdriver.
3. Use two conductor 18 awg unshielded stranded copper speaker wire for all wire connections.
4. Trim the stripped end of the speaker wire to 1/4” to ensure that there is no exposed wire. Exposed wire can cause shorts and speaker/amplifier failure and void your warranty.
5. Insert the wire attached to the – (negative) terminal of your amplifier to the Euro connector's “C” (common) terminal.
6. Insert the wire attached to the + (positive) terminal of your amplifier into either the 25V, 70V or 8 ohm Euro connector terminal, depending on the amplifier being used.

7. Tighten the Euro connector's screws once the wires are inserted.
8. Connect the Euro connector into the back of the speaker.
9. Select the appropriate wattage tap with the wattage tap dial.
   NOTE: the wattage tap dial has no effect when wired to the 8 ohm terminal. This bypasses the internal transformer.

   CAUTION: Never use a 25/70 volt amplifier with the speaker wired to the 8 ohm terminal. This will destroy the speaker voice coil and void your warranty.

Spring Clip installation:

CAUTION: The spring clips can snap back causing injury to fingers and/or hands. **Wear protective gloves.**



1. **IMPORTANT:** Use two hands to hold the speaker and spread the spring clips open using your thumbs with the back of the speaker facing the ceiling.
2. Place the back of the speaker half way into the cut-out hole or until the top of the spring clip clears the rough-in bracket.
3. Release the spring clips.
4. The force of the spring clips will cause the speaker to slide up into the cutout hole.
5. Place you hand on the front of the speaker and lightly push up until the speaker is seated and the grill surround is flush to the ceiling tile.

Contact Information
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Warranty
Sound Acoustics products are warranted to be free from defects in workmanship and materials for a period of ten (10) year without charge for parts or labour. The warranty applies only to the original owner. The owner's responsibilities are to provide proof of purchase and transportation to the dealer the unit was purchased from or transportation to the Sound Acoustics factory. This warranty does not apply to units which have been subject to misuse, abuse, neglect or improper installation, and does not apply to repairs or alterations by unauthorized personnel. This warranty specifically excludes responsibility for consequential damage.

Retention of your dated ORIGINAL BILL OF SALE is required to obtain service under the terms of the warranty.