

Architectural Series™

ARCHITECTURAL SERIES SPEAKER AND WOOFER INSTALLATION MANUAL



Installing the Speakers

Architectural Series speakers are installed after the Bracket has been installed into the wall or ceiling and the area has been drywalled, mudded, painted and completely finished.

1. Remove the Paint Shield from the Panel Bracket.
 - Use a Phillips screwdriver to remove the 4 screws that attach the paint shield to the bracket. (See *Figure 1*.)

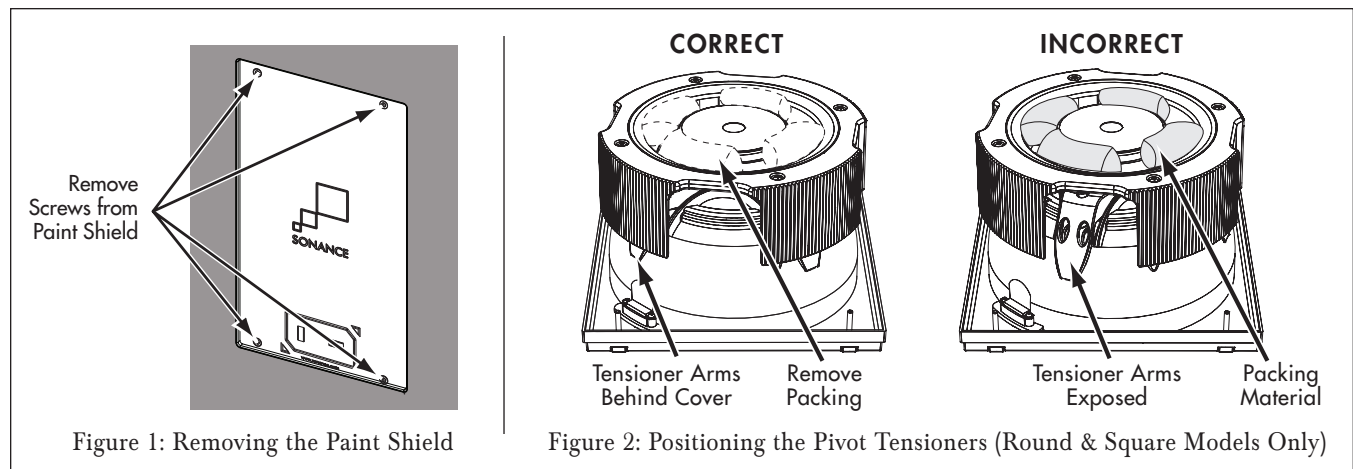


Figure 1: Removing the Paint Shield

Figure 2: Positioning the Pivot Tensioners (Round & Square Models Only)

2. FOR ROUND AND SQUARE MODELS ONLY: Remove the packing material around the woofer magnet at the back of the speaker. Make sure that the pivot tensioner arms are located behind the crossover cover overhangs (see *Figure 2*), and make sure that the woofer is facing straight out (not pivoted to the side). NOTE: ARCHITECTURAL SERIES WOOFERS DO NOT PIVOT, AND HAVE NO PACKING.
3. Strip $\frac{1}{4}$ " – $\frac{1}{2}$ " of insulation from each lead of the speaker wire. Twist the strands or tin the exposed wire with solder to ensure that there are no stray strands. (Stray strands that touch each other can cause a short-circuit that can damage your amplifier.)
4. The speaker's spring-loaded connector posts are located under the crossover cover (see *Figure 3*). Push the top of each connector post down to open the connector and insert the exposed wires into the holes in the posts.
 - The speaker's positive post is labeled with a red dot; the negative post is labeled with a black dot. Double-check that you connected amplifier "+" to speaker "+" and amplifier "-" to speaker "-".

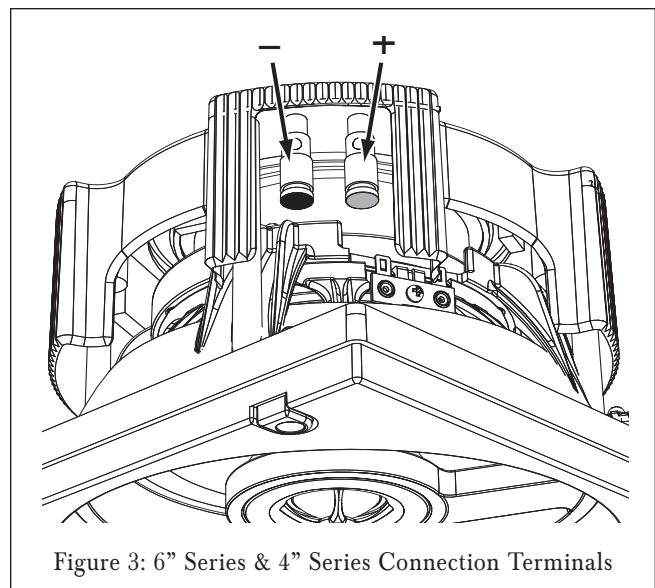


Figure 3: 6" Series & 4" Series Connection Terminals

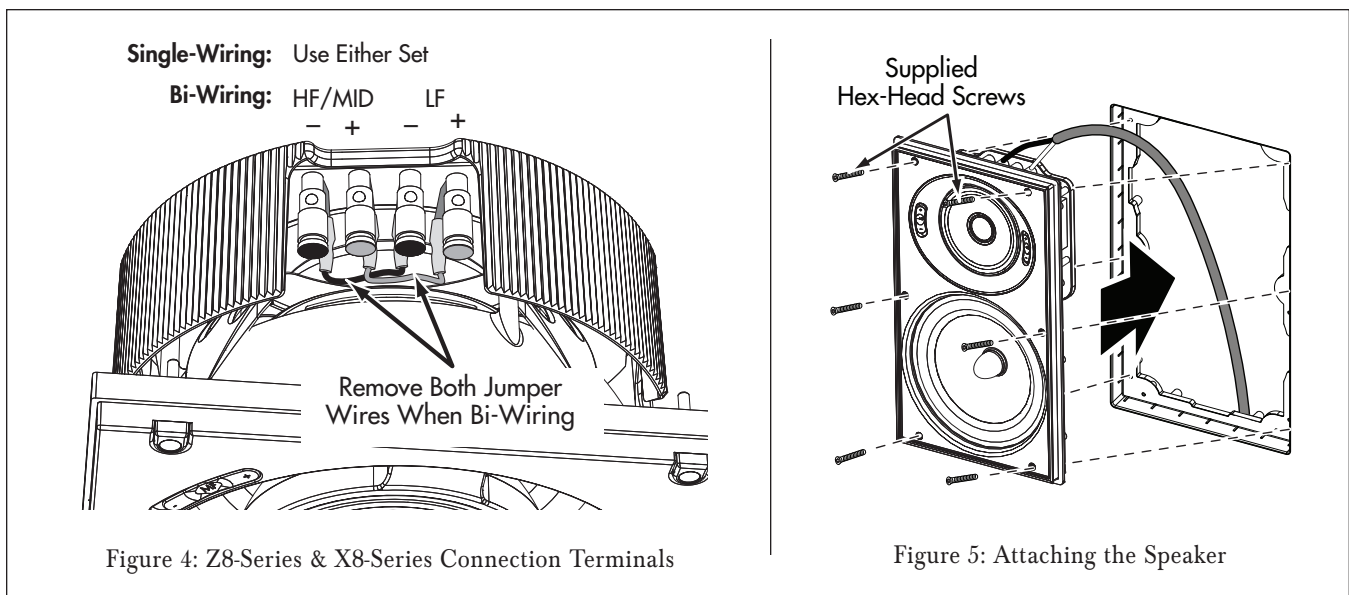
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If a Retrofit Backbox has been installed on the Bracket, connect the marked set of wires inside the Backbox to the speaker's connector posts. Connect the red wire to the speaker's "+" post and the black wire to the speaker's "-" post.

Note: Z8-series and X8-series speakers have two sets of "+" and "-" terminals (see Figure 4). For single-wire connections you can use either set of terminals. You can also bi-wire these speakers by removing the jumpers between the LF and MF/HF "+" and "-" terminals, and connecting two sets of speaker wires from the amplifier, one to each set of terminals.



5. Insert the speaker into the Bracket and use the supplied hex-head screws and supplied hand-held hex wrench to secure it (see Figure 5).
 - Round, square and smaller rectangular models require 3 or 4 screws; larger rectangular models require 6 screws.
 - When you notice resistance on the screws the speaker has been clamped successfully.

VERY IMPORTANT:

Use ONLY the supplied hand-held hex wrench to attach the speaker.

DO NOT USE AN ELECTRIC SCREWDRIVER OR DRILL.

NEVER over-tighten the speaker mounting screws. Over-tightening the screws can fracture the bracket assembly (which has been permanently installed into the wall or ceiling). This type of damage is NOT covered by the Architectural Series Panel Bracket Warranty.

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Adjustments

Pivoting Drivers

All Architectural Series speakers (except Architectural Series Woofers) have pivoting drivers that allow you to direct sound towards the listening area. This will help the sound from the speakers blend into a solid sound-stage even if the speakers are widely separated.

- All Z/X8 series models have a pivoting Sonic Eye® midrange/tweeter assembly; round and square Z/X8 models also have a pivoting woofer assembly.
- All Z/X6 and Z/X4 series models have pivoting tweeters; round and square Z/X6 models also have pivoting woofer assemblies.

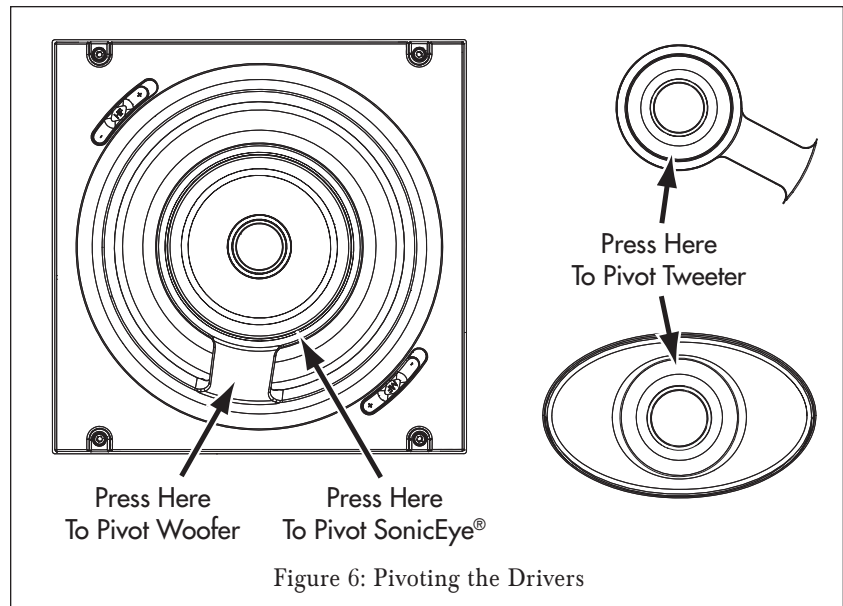


Figure 6: Pivoting the Drivers

To pivot the drivers, apply light pressure to the specific locations shown in *Figure 6*. Do not touch or apply pressure to the rubber driver surrounds or the driver surfaces.

Midrange and Tweeter Level Controls

All Z/X8-series, all Z/X6-series and the Z/X4 model speakers have a tweeter level control switch; all Z8 and X8-series speakers also have a midrange level control switch. (Note: Architectural Series Woofers have no level controls.) These controls let you boost or cut the driver's level by 3dB to better match the listening room or the listener's personal taste. The controls are located on the speaker baffles (on Fascia models they are located behind the removable fascia). See *Figure 7*.

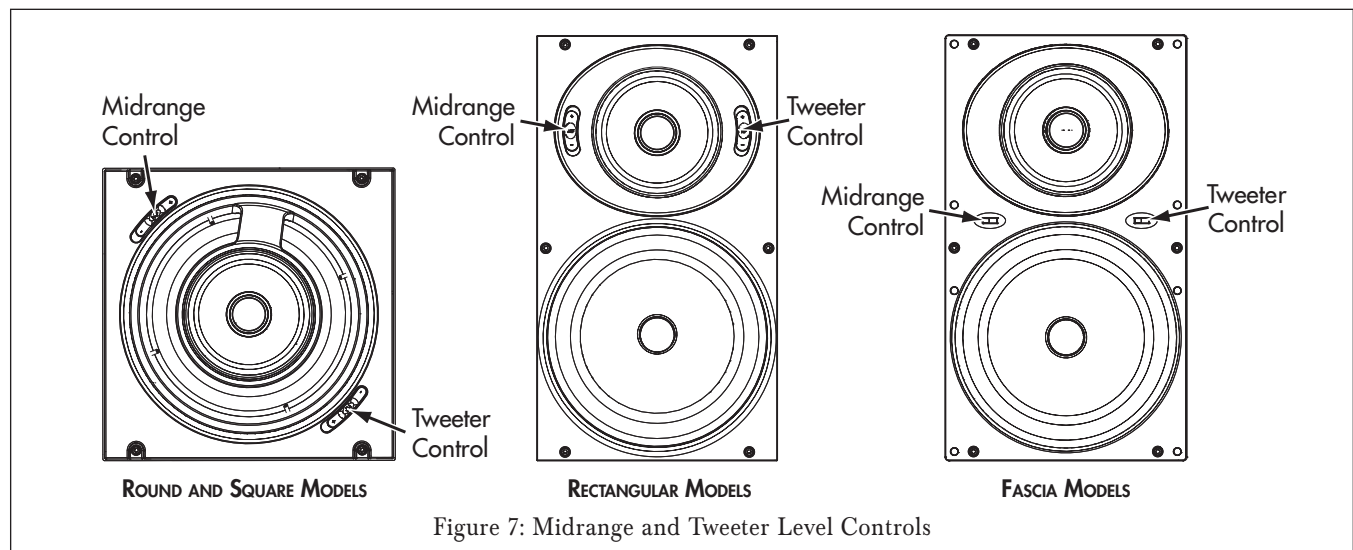


Figure 7: Midrange and Tweeter Level Controls



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SONANCE • 212 Avenida Fabricante • San Clemente, CA 92672-7531 • USA
800-582-7777 or 949-492-7777 • FAX: 949-361.5151 • Technical Support: 800-582-0772

www.sonance.com