

Installation instructions for Live-Wall LWSUB

LiveWall

Video instruction also available at Live-Wall.com

Install LWSUB backbox first.

Connect the LWSUB to the backbox.

Make sure the input cable doesn't interfere with the diaphragm.

Install the speaker using the supplied #7 x 3" self-drilling screws and the supplied screwdriver bit.

Adjust the depth of the speaker so the outer edge of the diaphragm is perfectly flush to the surrounding drywall.

Seal the LWSUB with Loctite Power Grab or Liquid Nails.

Once the speaker is correctly positioned, seal the LWSUB with a generous bead of adhesive in the gap around the perimeter of the speaker. This prevents air leaks. Smooth the adhesive so it is flush with the wall.

Wait a day to let the adhesive fully cure.

Connect the protection circuit.

Wire the RSP-1 protection circuit directly to the amplifier binding posts, then out to the speaker. The RSP-1 is bidirectional, so either end may connect to the output.

Test the speaker, listening for unwanted vibrations.

Tape the speaker.

Apply fiberglass mesh tape to the 3/8" wide Mounting Channel (the recessed border around the perimeter of the speaker) and the surrounding drywall. Avoid tape overlap at the corners. Do NOT put tape on the Active Diaphragm (any part of the speaker face inside the 3/8" Mounting Channel).

Mud the outer edge of the speaker.

Fully cover the fiberglass tape. Important: Use 50% water with 50% Acrylic Admix (by volume) when mixing the drywall compound to improve the bonding of the drywall compound to the edge of the diaphragm.

Do not apply mud or plaster to the Active Diaphragm.

Let dry thoroughly, and lightly sand the mud around the perimeter of the speaker. Do not sand the Active Diaphragm.

If applying a textured finish.

Prime the entire diaphragm and mud around it with a fine mist of 3M Type 61 Drywall Corner Bead adhesive. Let dry for 30 minutes, texture lightly, then let dry again.

Prime the whole face of the speaker and mud around it before painting.

Notes

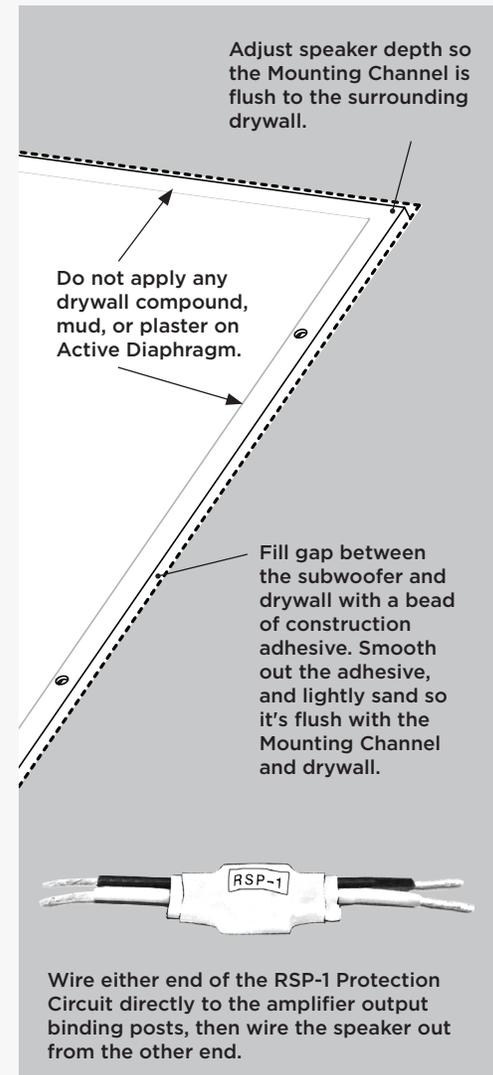
The LWSUB produces a significant amount of output. Pay attention to these details to ensure proper performance:

Eliminate air leaks between the subwoofer and the drywall.

Air leaks reduce bass extension and output.

Be careful with the Active Diaphragm. This inner section produces the sound waves. Avoid tape, mud, and excessive texture on the Active section to eliminate cracking.

Test the subwoofer before mudding. Catch installation errors before mudding. Listen for buzzes (often caused by speaker cables hitting the back of the speaker) and bottoming (often caused by air leaks).



Specifications

Max. Output: 105 dB with 250 watts
Room Size: Up to 3,000 ft³
Near-Field Response (-3 dB): 30-250 Hz
6 dB Downpoint: 25 Hz
Sensitivity: 86 dB
Nominal Impedance: 8 ohms
Dimensions: 14 x 17-1/4" (356 x 438 mm)
Depth in Wall: 3-1/4", 83 mm (with LWSUB-BOX)
Weight: 13.5 lbs., 6.1 kg

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