



INSTALLATION **MANUAL**

SolidDrive Transducer



Bracket speaker



Wood speaker



Glass speaker



SolidDrive In-Wall and In-Ceiling Mounting Bracket Specifications

Type	Patented balanced cantilever spring bracket
Construction	Heavy duty, galvanized steel
Dimensions	12OC—2.0" H x 17.5" W x 5.0" D 16OC—2.0" H x 25.5" W x 5.0" D 24OC—2.0" H x 13.5" W x 5.0" D
Weight	1.0lb/ .45 kg

WARNING

Read instructions prior to operating. To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. Unplug prior to cleaning and clean with a damp cloth. There are no user-serviceable parts in this product, please refer all servicing to qualified personnel.

INSTALLATION OF SOLIDDRIVE INTO WALLS AND CEILINGS

By utilizing these basic installation steps, you can install the SolidDrive into walls and ceilings for a variety of sound masking applications.

Important: For ceiling applications, assure the sheetrock remains clear of any debris that may rattle when the SolidDrive is active.

GETTING STARTED WITH SOLIDDRIVE

What’s included with the SolidDrive for installation into walls and ceilings and what is supplied by the installer —

A SolidDrive consists of: One (1) SolidDrive unit with 2 hard wire leads and one duplex conduit connector. *Additional mounting materials may need to be supplied by the installer depending on the application.

For drywall: For in-wall and in-ceiling installation, you will have ordered one (1) or more SolidDrive and one (1) or more patented acoustic in-wall mounting brackets (one (1) bracket per speaker), which comes with four (4) #8-32 x 5/16" Phillips flat head machine screws for mounting the drive to the bracket. At the time of the order, you will also have specified mounting bracket(s) in widths of 12OC, 16OC, or 24OC (ON CENTER of wall studs or ceiling joists) for proper width. *Installation also requires four (4) 1 3/8" drywall screws and one (1) container of 3M® Super 77 Spray Adhesive (supplied by the installer).

EXISTING DRYWALL INSTALLATION NOTE:

For retrofitting the SolidDrive into existing drywall installations, it will be necessary to remove a portion of the existing drywall before installation and to replace the drywall after the SolidDrive is installed. Please refer to the instructions marked with **EXISTING DRYWALL** for the steps necessary for the type of installation. If installing the SolidDrive in new construction, IGNORE the **EXISTING DRYWALL** steps.

STEP 1
INSTALLATION INTO EXISTING DRYWALL

For installing the SolidDrive mounting bracket into existing drywall, first cut a rectangular opening in the drywall. The minimum recommended opening size is approximately fifteen inches tall and beyond the width of the adjacent wall studs. This will help in attaching the mounting bracket, feathering the drywall back in, and getting the drywall to meet at the seams (Figure 1). This will allow proper distribution of sound and the SolidDrive will function with optimum performance.

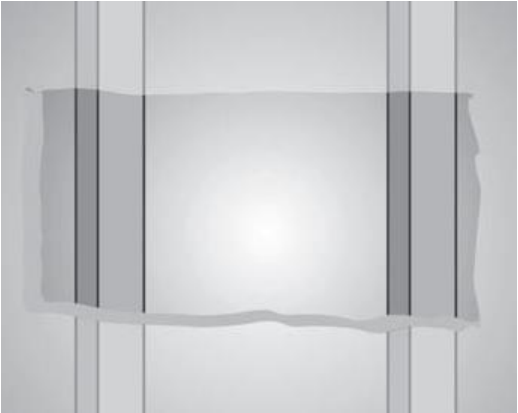


Figure 1
Cut an opening large enough to install the mounting bracket to the wall studs

STEP 2

Attach the SolidDrive mounting bracket to wall studs or ceiling joists

Place the mounting bracket between the wall studs or ceiling joists and secure with four 1 3/8" drywall screws. Insert the screws through the four pre-drilled holes in each lunge and screw them into the face of each wall stud or ceiling joist (Figure 2). The drywall screws need to be driven flush with the surface of the flange so that the drywall sets lush on the bracket flange.

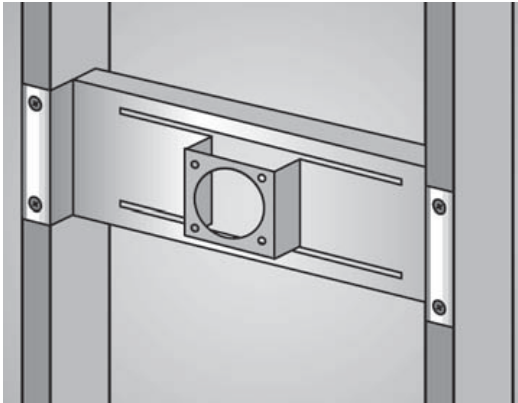


Figure 2
SolidDrive
mounting
bracket
attached to
the wall studs

STEP 3

Insert the SolidDrive into the bracket

Feed the SolidDrive cable through the round opening in the face of the mounting bracket. Insert the SolidDrive through the same opening with the oversized mounting base facing outward toward the side that the drywall will be installed and lush against the bracket face. Align the pre-drilled holes in the mounting base to the threaded holes in the bracket face (Figure 3). Attach the SolidDrive securely to the mounting bracket using the 4 Phillips flat head machine screws.

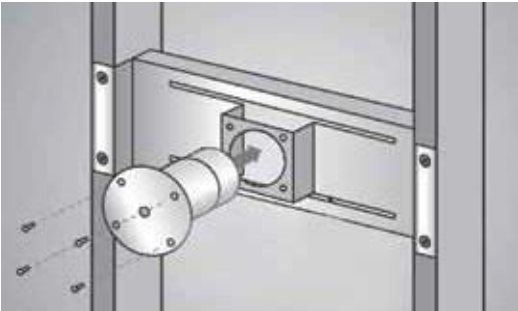


Figure 3
SolidDrive
being
installed into
the mounting
bracket

STEP 4

Make the electrical connections

Make the electrical connection between the SolidDrive and the speaker cable using the included Eurostyle connector. Be sure to observe proper polarity when connecting the SolidDrive. *NOTE: When installed in Canada, this product must be installed in accordance with the Canadian Electrical Code, C22.1, Part 1.*

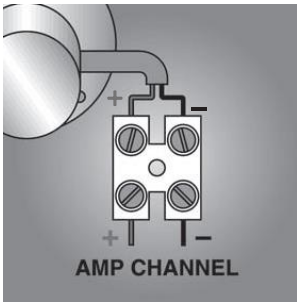


Figure 4

STEP 5

Apply adhesive to the drywall surface and base of the SolidDrive

If possible, position the drywall panel so that the SolidDrive is at the center of the panel or as far from the edge of the panel as possible. This will allow proper distribution of sound and the SolidDrive will function with optimum performance. Prior to mounting, take measurements of the new drywall panel to determine the exact area that will come in contact with the base of the SolidDrive and spray that area liberally with the 3M® Super 77 contact spray adhesive. Also, liberally spray the surface of the oversized mounting base of the SolidDrive (masking around the base is highly recommended to prevent overspray).

STEP 6

EXISTING DRYWALL

Re-install rectangular cutout in wall

For re-installing the rectangle drywall panel that was cut out to install the SolidDrive, it is important to create a uniform seal between the cut drywall and the existing drywall. This will allow proper distribution of sound and the SolidDrive will function with optimum performance. Apply fast setting joint compound, not vinyl based, in the space between the cutout section and the existing drywall panel. Make sure to fill the space completely with drywall compound then proceed with the normal taping, sanding and finishing routine.

STEP 7

Install the new drywall

Immediately install the new drywall before the spray adhesive sets up (approximately 10 minutes). This allows adjustment of the panel before the final location is determined. The drywall panel is to be fitted to the wall studs or ceiling joists and screwed into position. Apply joint compound in the space between the drywall panels and proceed with the normal taping, sanding and finishing routine. The joint compound filled between the panels will improve the distribution of sound as well as overall sound quality.

INSTALLATION OF SOLIDDRIVE TO WOOD SURFACES

By utilizing these basic installation steps, you can install the SolidDrive on wood, laminate, composites, and other porous surfaces commonly used on desks, conference tables, cabinetry, and other furniture.

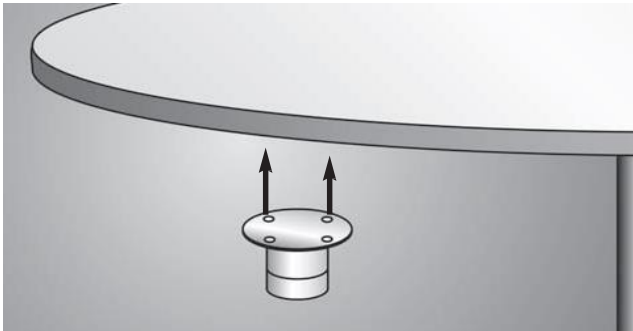


Figure 1
Mounting the
SolidDrive
to a table.

Once you have determined where to mount the SolidDrive, spray a thin layer of 3M® Super 77 adhesive on the bottom of the SolidDrive, then use the appropriate length wood screws to attach it securely to the surface. The adhesive improves the sonic transmission between the drive and the surface. The best mounting location is typically out of sight on the underside or back of desks, counter tops, conference tables, or other office/home furniture. The four pre-drilled mounting holes on the SolidDrive oversized mounting base will hold screws as large as #9. Refer to Step 4 for electrical connections.

Some installations may require that pilot holes be drilled into the surface material due to its hardness, especially if larger, coarse thread screws are used.

INSTALLATION OF SOLIDDRIVE TO GLASS SURFACES

For installation on glass surfaces, the SolidDrive comes with a VHB double-sided adhesive disc.

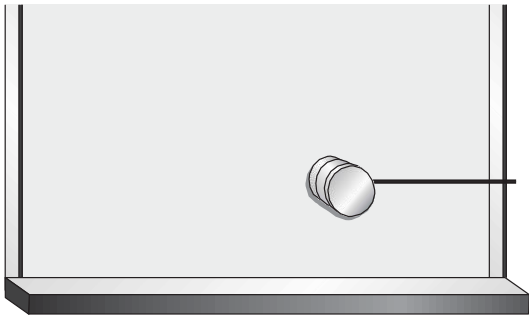
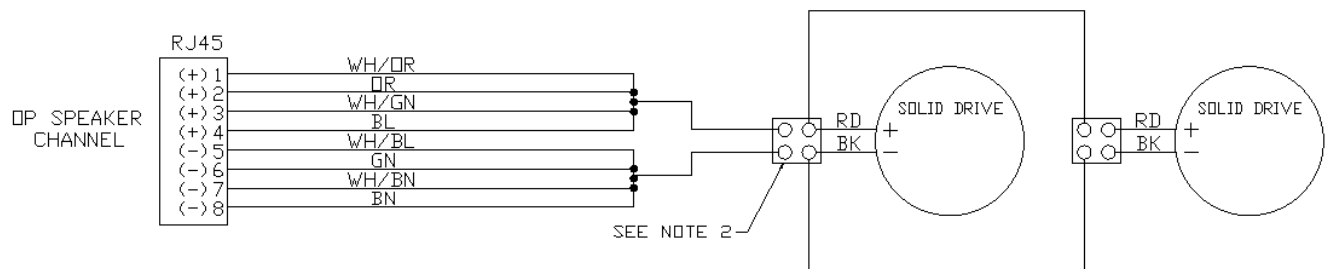


Figure 1
Mounting the
SolidDrive
to glass.

The SolidDrive should be mounted in an inconspicuous location of the window. Simply apply the VHB pad that comes with the drive to the base of the drive (the side opposite the label). Remove one side of the protective layers from the VHB disc and apply to the base of the speaker. Then remove the other protective layer and apply to glass surface with moderate pressure. Refer to Step 4 for electrical connections.

When mounting the SolidDrive on the window, keep it about 4 to 6 inches from the window frame. The SolidDrive will have maximum output with at least 20 square feet of window surface space.

OP TO SOLID DRIVE WIRING



NOTES:

1. SOLID DRIVE SPEAKERS ARE 8 OHMS
2 SPEAKERS IN PARALLEL MAX PER CHANNEL
2. CONNECTORS S/W SOLID DRIVE SPEAKERS.

Lencore Acoustics LLC
516-682-9292
info@lencore.com
www.lencore.com