



IN-WALL SPEAKERS

OWNER'S MANUAL



IN-WALL SPEAKERS

Please read the following instructions carefully before installing your Induction Dynamics® freestanding speakers. If you have any questions regarding installation that are not answered in the following directions, please contact your local sound contractor or the Induction Dynamics®/MSE Audio® technical support team. Contact information can be found on the back of the manual.

General Information

Your speakers and amplifier come in a high quality finish that is both attractive and durable. To clean, use a soft, damp cloth. If your drivers become dusty, dust them with a paintbrush or a brush vacuum attachment. Do not use a strong or abrasive cleaner. The grille is covered in acoustic cloth. To keep your grille clear of debris, we recommend you use a lint roller (like you would use on clothes).

Do not use bass or loudness contour controls. Induction Dynamics' subwoofers produce very low frequencies without these controls. Use of these controls will make the bass sound "boomy", obscure higher frequencies, and possibly cause damage due to excessive cone excursion.

Speaker location: The in-wall speakers mount between wall studs and should be placed in accordance with the speaker's application (mains, surrounds, or stereo speakers).

The height of the speaker should be determined by locating the tweeter near ear level. The tweeter reproduces high-frequency audio, which our ears perceive as most directional, so we are most attuned to their placement and level. As you make your decision, consider whether people will be standing or sitting in the listening area. The speakers may be mounted upside down (tweeter nearest floor) to achieve the proper tweeter level with the look of a higher mounted speaker.

Speaker Wiring: Use approved wire designed for in-wall or exposed use, as appropriate for your installation. For the in-walls, we recommend using high-quality speaker wire that is 12 gauge or lower, with easily visible polarity coding to make your connections. The following chart identifies minimum gauge requirements for various lengths. See your local dealer or installation contractor for more information.

Wire Length / Minimum Gauge Requirements

Length in Feet	AWG Size & Stranding
Up to 18'	14 Gauge (19/27)
Up to 29'	12 Gauge (65/30)
Up to 51'	10 Gauge (105/30)

New Construction Installation

In new home construction, or with walls where drywall has not been applied, it is recommended that you wait until after the drywall application before installing the easymount boxes for the following reasons:

1. The installer gains the control to cut a neat and accurate hole, eliminating possible mistakes by drywallers.
2. Drywall around the hole is more likely to be flat. This is especially true if any mudding is done in the vicinity of the hole. The result is a cleaner final fit around the edges.
3. Possible shimming behind drywall can throw off depth calculations and final alignment of gasket with the face of the drywall. Drywallers sometimes shim to level out the wall where studs are out of line.
4. Mud and construction dust is kept from getting into the box.

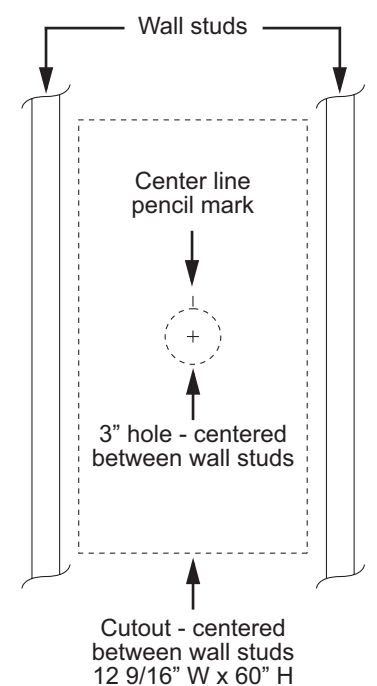
If circumstances require the easy-mount boxes to be installed prior to drywall, then be sure the gasket on the front of the boxes protrudes out from the edge of the wall studs by an amount equal to the thickness of the drywall plus 1/4". Alternatively, the outside back of the metal box should be 3 7/8" back from the finished drywall surface.

Check for Obstacles Inside Walls

Check the home's architectural blueprints to verify that your preferred mounting location is free from obstacles including extra wall studs, electrical wires, plumbing, and heating ducts.

Locating the Loudspeaker Mounting Holes

1. To find wall studs, use a stud finder. The in-walls will mount between two studs and should be positioned so that the tweeter is at ear level.
2. When you've decided on a location, cut a 3" hole in the approximate center of the proposed cutout area. Measure the exact distances from the left and right wall studs from the inside of the wall, to establish the horizontal center line between the wall studs and mark this with a pencil.
3. Place the mounting hole template flush against the wall. The template should be centered between the wall studs, making sure that the left and right channels are the same height.
4. Using a drywall knife or keyhole saw, carefully cut along the drawn line and remove the cutout.
5. Before installing the easy-mount box into the walls, you will need to bring the speaker wire into the mounting hole. Be sure to leave plenty of extra wire coming into the mounting hole, especially if you are bringing in the wire from below since the speaker wire access holes are at the top of the easy mount box.



Installing the Easy-Mount Box Into the Wall

1. The in-walls are shipped preassembled with the faceplate attached to the easy-mount box with bolts. In order to install the in-wall easy-mount box into the wall, you will first need to separate the faceplate from the box. First, remove the grille mounting flanges, using the grille mounting flange driver. Note that there may be shims under some of the grille mounting flanges. You will need to save these shims to use when you reinstall the faceplate. Then unscrew the faceplate mounting bolts using a 1/4" hex key or driver. You will later reattach the faceplate with these same faceplate mounting bolts.

2. There are two speaker wire access holes located at the top of the easy-mount box. The box comes with a solid grommet preinstalled in the large hole and a small size grommet preinstalled in the smaller hole. The grommet hole size you will need depends on the size of the wire you are putting through the hole. In the parts pouch you will find a selection of large and small grommets that have holes through them of various sizes. Use a grommet of the appropriate size to get a snug fit around the speaker wire where it enters the box. Put a solid grommet in the other hole. Make sure there is enough extra speaker wire feeding into the box for easy handling of the loudspeaker faceplate.

3. Place the easy-mount box into the mounting hole.

4. Snug the Stud Grabber™ bolts against the left and right wall studs just enough to cause the easy-mount box to be suspended in the cutout opening. Do not overtighten these bolts to avoid distorting the studs or box. Make all necessary adjustments to level and position the easy-mount box in the wall. The preferred method is a small level held against the inner side of the easy-mount box to make sure it is perfectly vertical. Upon completion, the box should be level and centered in the cutout opening with the box gasket protruding 1/4" out from the drywall surface.

5. Tighten the Stud Grabber lock nuts with a wrench.

6. Place the 4" stud screws into the hole in the inside of the Stud Grabber bolts. Carefully pound them in about 1/4" with a hammer to get the threads started. Tighten each of the screws with a #2 square head screwdriver until the screws are snug.

Installing the Faceplate

While installing the faceplate, we recommend that an assistant help hold the faceplate. Be careful working with the assembly that you don't damage any of the speaker components. If the midrange gets dented in, you can work it back out with your fingertips or use a vacuum cleaner to suck it out.

1. Hold the speaker faceplate up to the wall opening and attach the speaker wire to the terminal block on the back of the faceplate, observing the proper polarity. To make the connections to the terminal block, solder or crimp with high pressure the insulated fork terminals provided in your parts packet. Soldering is best. For in-wall, use make sure the compensator switch is in the proper position.

2. Position the speaker faceplate over the easy-mount box. Gently move it around from side to side and up and down until the rubber gasket slides around the faceplate mounting inserts. Screw in the faceplate mounting bolts, gently tightening each one a little at a time, until the faceplate is approximately 1/32" from the drywall all around. **DO NOT TIGHTEN THE BOLTS ANY FURTHER.** The faceplate should not contact the drywall. This avoids any vibration or distortion of the drywall.

Installing the Faceplate (cont.)

3. Install the grille mounting flanges that came in the parts packet using the grille mounting flange driver. Any shims that were removed should be replaced back under the grille mounting flanges to make them level with the faceplate. The grille mounting flanges should be used even if the grilles are not, as this gives the loudspeakers a finished appearance.

4. Attach the cloth grille by carefully pressing it into the grille mounting flanges.

Connecting to an Amplifier

1. Be sure the amplifier is turned off to avoid damage to the speakers.

2. Connect the speaker wires to the speaker outputs on your amplifier. Observe proper polarity (red to red and black to black).

3. Make sure each speaker is connected to the correct amplifier output (e.g. left front loudspeaker to left front output).

Warranty

All Induction Dynamics® products come with a limited ten (10) year warranty and a limited three (3) year warranty comes on all electronics. Products not purchased through MSE Audio or an authorized reseller may not be supported by a factory warranty. Should your Induction Dynamics product require service, please call the MSE Audio customer service department for a return authorization. All merchandise returned to MSE Audio without prior authorization will be refused. For your return authorization number, please call 855.663.5600 or email returns@mseaudio.com.

This warranty may be registered online at www.mseaudio.com/product-registration/ or by calling the number on the back. Please write the serial number along with the name and address of the retailer from whom you purchased the amplifier(s). This may be done at the time of purchase or before requesting repair service under this warranty.

Limits and Exclusions: There are no warranties except as mentioned above. Neither Induction Dynamics®, Inc. nor anyone else who has been involved in the creation, production, or sale of this product shall be liable for any direct, indirect, consequential or accidental damages arising out of the use or inability to use this product, or arising out of breach of this warranty. Induction Dynamics®, Inc. makes no other warranties, express or implied, including without limitation warranties of merchantability or fitness for a particular purpose. There are no warranties that extend beyond the description on the face hereof.

Applicable Models

ID1.iw

S1.8iw

C1.iw

S1.8Siw

C1.8iw

S1.8Tiw

C2.iw

S2.iw

S1.iw