

TAB MOUNTING SYSTEM

FRONT-MOUNTING TAB KIT FOR PLASTER-OVER LOUDSPEAKERS

INSTALLATION NOTE Rev. 1.1 | 14-01-2025 | E&OE



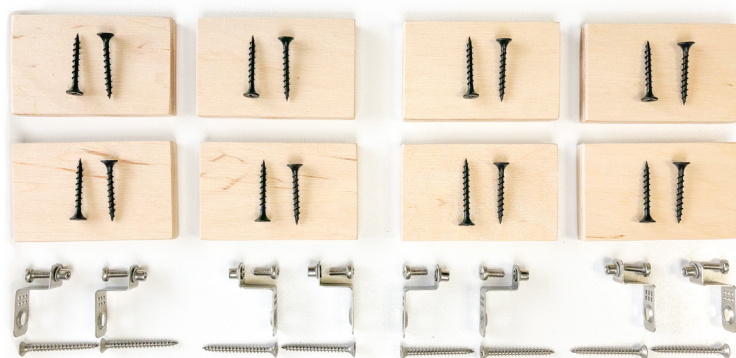
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INTRODUCTION

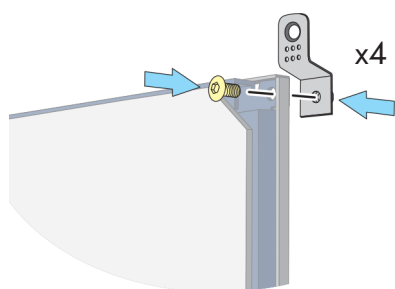
Derived from Amina's iB series of Integrated Backbox invisible speakers, the tab mounting system is suitable for installing Mobius loudspeakers in applications where there is not enough cavity depth available to accept a backbox or an iB loudspeaker. This solution allows speakers to be installed where there is as little as 35mm from the face of the substrate to the back of the cavity. Because this mounting solution references the front face of the installation substrate, naturally aligning the speaker flush with the substrate, alignment shims or spacers are only required where the planned plaster covering is in excess of the standard 2-3mm skim.

CONTENTS

The tab mounting kit ships with hardware for mounting a pair of speakers: 8 tabs, 8 tab screws, 8 plywood backing blocks, 8 speaker mounting screws and 16 drywall screws.



INSTALLATION



The tabs will first need to be removed from their transit positions, flipped over and fixed to each of the speakers four corner mounting points using the tab screws (as shown) which will align the face of the speaker flush with the installation substrate, ideal where a standard 2-3mm plaster skim is planned. The tabs can be orientated vertically as shown, or horizontally.

Where greater plaster thicknesses are anticipated, tab spacers can be used to shim the speakers forwards in order to achieve the ideal 2-3mm covering thickness on the speaker face.

Available by special request, tab spacers align the speaker further forward into the room, in order to allow for a plaster or render thicknesses greater than the standard 2-3mm. Tab alignment spacers clip in to the back of the mounting tabs and can be stacked to achieve the required thickness, up to a maximum of 12mm.



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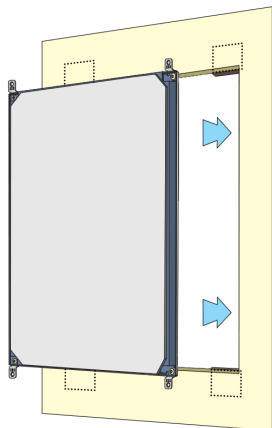
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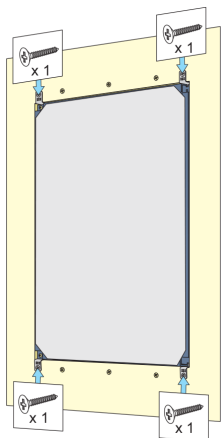
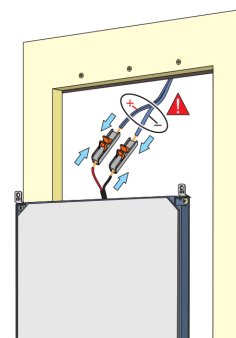
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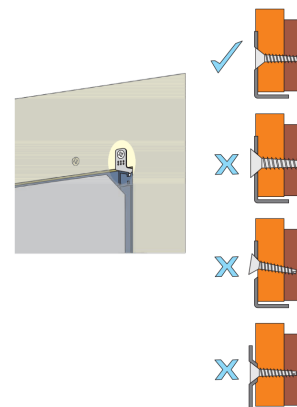
With the tabs attached and after using the supplied speaker template to cut the speaker aperture according to the speakers installation manual, offer up the speaker to its mounting position, mark the tab locations, then safely store the speaker back in its carton.

Next, a plywood backing block needs to be fixed behind the plasterboard for each of the tab mounting positions, using two drywall screws for each, screwed through the drywall into the backing blocks from the front side of the drywall, taking care to position them in a way that does not obstruct the speaker aperture. Take care to position the drywall screws away from the marked tab so as not to obstruct the speaker mounting screws in the next step. Longer screws may need to be sourced where the substrate is more than 30mm.

Next, connect the speaker cable taking care to observe the correct polarity, and feed the cable back into the wall / ceiling cavity so that the cable or connectors can not come into contact with the loudspeaker at all. The cable can be pinned to studs or joists to prevent it settling on the backbox over time. Speaker batting should also be positioned behind the speaker to prevent the ingress of dust and debris over time, which can also help prevent the cable or connectors coming in contact with the speaker.



Using the speaker mounting screws, screw through the tab eyelet, through the plasterboard and in to the tab backing block, ensuring the tab cup fully cuts in to the drywall substrate as shown. It is critical that an even 2-5mm gap is left between the speaker and surrounding drywall on all sides to allow the joint filler to be pushed deep into this seam later in the installation, ensuring a strong mechanical connection.



At this stage the speaker **MUST** be fully sweep tested according to the loudspeaker's installation guidelines before committing to plaster. Full details on sweep testing the speaker can also be found at the following link: https://aminasound.com/technical_assets/application_notes/Tone_Testing.pdf

Once the speaker has passed the sweep testing, the perimeter fill, scrim tape, plastering and finishing can proceed as usual, according to the loudspeakers installation guide.

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