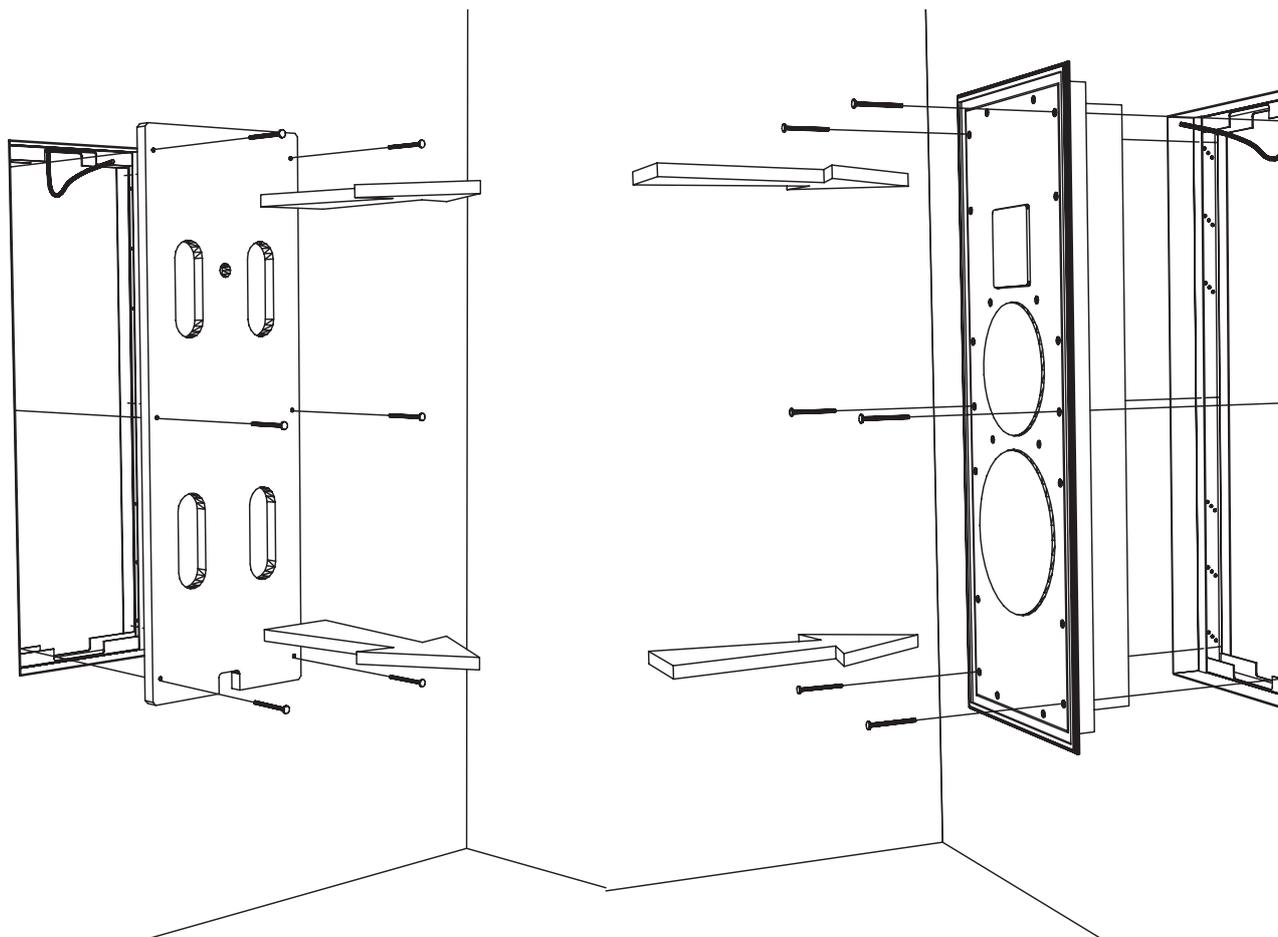


# Meridian 300 Series Installation Loudspeakers

Installation Notes — In-Wall and Flush-Mount, Active and Passive units



These instructions assume that you have already installed the rough-in back-box designed for the particular type of loudspeaker system you are installing.

Begin by examining the loudspeaker assembly.

**If you are installing a Passive system**, (P3xx models) the crossover is included in the unit.

**If you are installing a Remote Active unit** (A3xx models), the package will include an appropriate active crossover module for the G41 Powered Crossover/ Amplifier unit. See *overleaf* for crossover module installation instructions.

**Locate the loudspeaker terminals on the unit.** There is a pair of terminals for the tweeter and a second pair for the woofer. Note that it is, of course, important that the "plus" terminal on the amplifier is connected to the "plus" terminal on the loudspeaker, and "minus" to "minus" to avoid polarity errors that would seriously compromise performance.

**In the case of a Remote Active system**, these pairs of terminals will be connected to two pairs of loudspeaker cable routed from the Woofer and Tweeter outputs on the appropriate G41 channel pair.

**In the case of a Passive system**, the two pairs of terminals should be linked (plus to plus, minus to minus) if the unit is to be fed from a single power amplifier

channel. If the unit is to be bi-wired or biamped, any links should be removed and the appropriate cable pair connected to the correct terminals.

## To install the loudspeaker

Begin by removing the dummy baffle from the installed back-box, if this has not already been done (*see left diagram above*) by removing the bolts and pulling out the baffle. Connect the loudspeaker cables to the appropriate terminals.

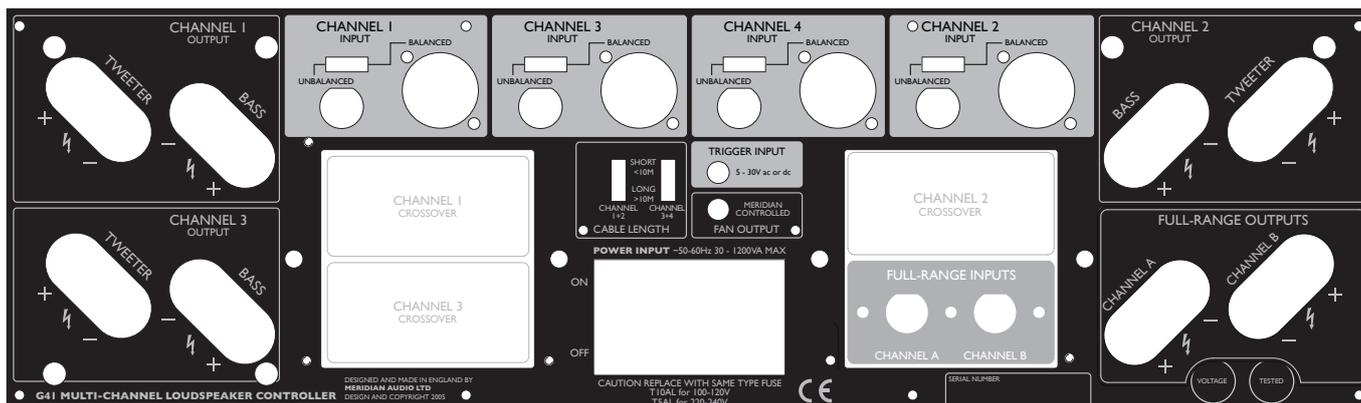
Now present the loudspeaker unit to the wall box and push into position (*see the right diagram above*). The holes around the periphery of the loudspeaker unit will match the positions of the threaded M5 nuts around the edges of the back-box. Fix the loudspeaker in position in the back-box by means of the M5 x 50 button-head socket bolts provided. On the 320, there are four holes. On the 330, six holes; and on the 350, eight holes.

**In the case of flush-mount units**, this completes the installation of the loudspeaker unit.

**In the case of on-wall units**, the grille may now be fitted. The grille material is flexible and resilient and can thus be deformed to slide under the outer painted rim of the loudspeaker unit. We suggest inserting the top first, then one side and the bottom. This leaves one long side to squeeze into place, starting with the corners.

# Meridian 300 Series Installation Loudspeakers

## Installation Notes — G41 Crossover Modules



For complete G41 Active Crossover/Amplifier installation and operation instructions, please see the G41 user's guide supplied with the unit.

Active Remote 300 Series loudspeaker assemblies (Type numbers A3xx) are supplied with the appropriate crossover module card for the G41. These are inserted into the rear panel of the G41 (see diagram above).

There are four crossover module slots, each covered by a labelled perspex cover. As supplied, the G41 is configured for use as four pairs of bi-amped channels, each of the four channel pairs supplying a feed to a woofer (bass driver) and a tweeter.

The fourth channel pair can optionally be configured as two full-range amplifier channels, eg for driving a pair of P200Z in-ceiling units. A special cover-plate with two phono connectors is supplied with the G41 for this purpose, along with a self-adhesive label to re-label the fourth channel pair outputs where appropriate. See the G41 user manual for more information.

To install a crossover module, first ensure that the G41 is disconnected from mains AC power.

Locate the appropriate channel, noting that channels 1 & 3 are on the left of the unit and 2 & 4 are on the right. Remove the retaining screws holding the perspex cover in place.

Examine the pins on the crossover module and the sockets into which the pins locate. The module pins will only line up with the sockets in one orientation.

Position the pins in the holes, making sure that all the pins are correctly located. Push the module gently but firmly into place until it stops.

Ensure that the card components are not standing proud of the rear panel. If this is the case, check the orientation of the card and ensure that it is fully inserted.

Replace the perspex cover.

Each type of G41 crossover module is identified as to the type of loudspeaker for which it is designed. In addition, a pair of coloured LEDs indicates that power is correctly applied to the unit during operation. The colour combination of the LEDs also indicates the type of crossover module installed. See the G41 manual for full details.

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