

Meridian Installation Speakers

At last: hi-fi from an in-wall

Key performance features include:

- Sealed enclosure ensures predictable results
- Great bass with definition
- Clear and open mid-range, typical of Meridian speakers
- Precise voice and instrument reproduction
- Excellent clarity and transient response—great for movies
- High SPL without distortion or cavity excitation
- Stable image with excellent depth
- Wide listening area
- Full integration with Meridian surround processors

See data sheets for full technical details and additional information.

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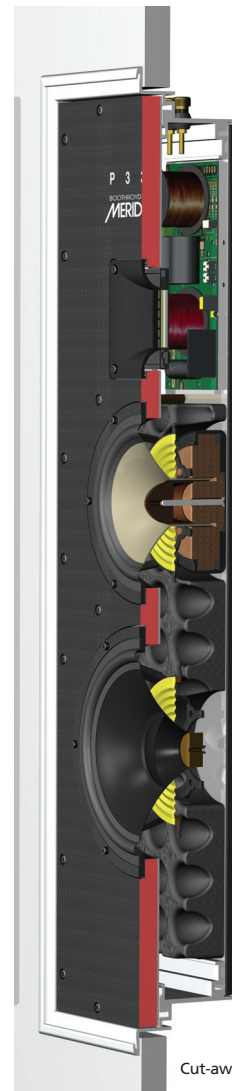
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Inside the 300 Series

Pure performance

The 300 Series is unlike any other installation speaker line. Whatever the size, 300 Series speakers deliver great bass with definition and a clear and open mid-range, typical of Meridian speakers. They also provide precise reproduction of instruments and voice (perfect for movie dialogue), wide room illumination, excellent transient response—and they're *loud*.



Meridian sound

The 300 Series is based on technology utilised in our famous standalone loudspeakers. The same multi-layer laminated construction of marine ply and aluminium is used, with rigid metal sides forming a sealed back-box.

As a result, the speakers do not excite the wall or cavity: you hear the speaker and not the wall. Clarity is directly related to driver damping and low unintended vibration: systems that excite the wall or cavity can never be considered 'high-end'.

Meridian installation loudspeakers are also fully compatible with Meridian Room Correction, available in the G68 and 861 Surround Processors. The G41 is tailored specifically to drive the active 300 Series units at peak performance, while passive 300 Series units are directly supported by all Meridian surround processors to deliver superior audio quality.

Cut-away view of the P330i

200 Series

The **P200Z** in-ceiling speaker is a 2-way design with an 8in (200mm) bass driver and pivoting tweeter.

The unit may also be mounted into standard 4-inch deep stud walls.

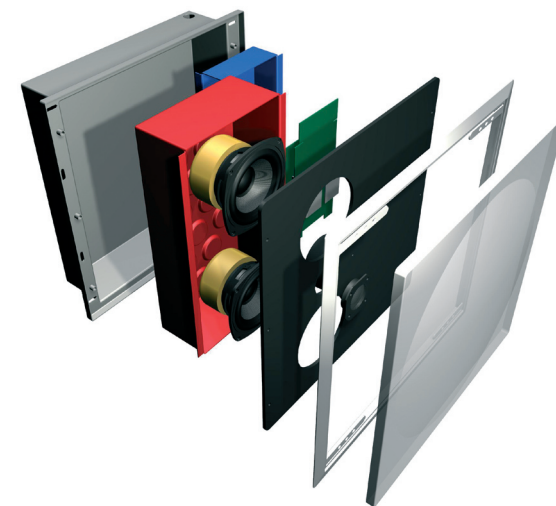


DSP420/M420

Integrated Active In-Walls

The DSP420 and M420 are truly active in-wall speakers that take the technology of Meridian's unique standalone speakers and put it into the wall. They feature separate internal amplification for high and low frequency bands, delivering exceptionally fast bass response and high resolution.

Both analogue and digital variants exhibit extremely low noise and distortion, while the power supply includes a substantial toroidal transformer and audiophile-grade capacitors.



Meridian Sound: Hidden Benefits



**A guide to Meridian
installation loudspeakers**

Meridian Installation Loudspeakers

Meridian sound: hidden benefits

Meridian’s first entry into the installation loudspeakers field was with the release of the **DSP420** Digital Active in-wall, followed by its companion Analogue Active system, the **M420**.

These rapidly became our most popular loudspeakers. Then we added the **200 Series** in-ceiling units and now, most impressive of all, the **300 Series**, which takes installation loudspeaker performance to a new level.

The 300 Series

We wanted the 300 Series to be the most accurate, powerful and clear concealed speaker systems available.

Most important of all, they had to deliver a superb sound to rival our acclaimed stand-alone designs. So we created sealed enclosures with a rigid, bonded ply/aluminium laminate, like our flagship DSP8000, minimising wall and cavity resonances. You hear the loudspeaker—not the wall. We selected powerful metal-coned bass drivers, ABRs and a wide-dispersion ribbon tweeter to punch through wall-coverings.

We also wanted our installation speakers to be versatile. So we designed in-wall, flush-mount and on-wall varieties, in three different sizes. They can be supplied as conventional passive designs, or ‘remote active’, driven by the G41 active crossover/amplifier.

The result? A series of installation speakers that offer real, high fidelity quality—like you have never heard before.



320i in-wall *in situ* with and without paintable grille

What size?

Small, medium and large

300 Series systems are available in three sizes: all are narrow enough to fit between studs in standard 4in-deep stud walls—the back-boxes are under 12in (292mm) wide and only 3.4in (86mm) deep. The heavy, rigid cabinet prevents wall vibration and stiffens the wall. All units feature a powerful, wide-dispersion horn-loaded ribbon tweeter to maximize the listening area, and a high-energy, metal-coned driver for clarity and power. Larger units include Auxiliary Bass Radiators for impressive bass extension.

A digital/analogue active in-wall sub, the **SW320**, is also available, with 10in bass driver, 10in ABR and a 2-channel rack-mount crossover/amplifier, the **C52**.



C52 subwoofer amplifier



What mounting?

In-wall, flush-mount or on-wall

300 Series units can be supplied in any of three configurations. They can be **flush-mounted**—in which case they can be completely hidden behind wall-coverings; **in-wall**—barely visible with a paintable grille; or **on-wall**—slim, elegant enclosures with wood or paint finishes that hang on the wall like a flat-panel display.



320w on-wall with wood finish, shown with and without grille



330i in-wall showing grille, speaker unit and back-box mounting hardware

What performance?

Active or passive

The 300 Series can be supplied as conventional passive units, with built-in crossover suitable for bi-wired or bi-amped operation, driven by Meridian amplifiers such as the G55, G56 or G57, or third-party models and directly supported by Meridian surround processors.

Alternatively, you can specify a high-performance ‘remote active’ system. Here, there is no crossover in the actual speakers. Instead, the wall units are driven by a special power amplifier, the **G41**, which includes a modular line-level electronic crossover, offering superior performance over conventional passive designs and matched specifically to the loudspeakers.

The G41 includes built-in compensation for the speaker cables: when it comes to performance, it’s as if the cables aren’t there. The result: an active system that doesn’t need power to be run in the walls.



A330 and G41

Upgrades are easy!

300 Series units in remote active configuration are unique in that you do not need to run power into the wall—just the two pairs of speaker cables. In fact, as the wiring is the same for active and passive variants, you can specify the passives initially and upgrade at any time to the active models without changing back boxes or cabling.