

# MERIDIAN UNVEILS NEW ARCHITECTURAL LOUDSPEAKERS

September 2019

## MERIDIAN UNVEILS NEW ARCHITECTURAL IN-WALL LOUDSPEAKERS

As the pioneer of High Resolution audio, Meridian has introduced two new In-Wall Loudspeakers to its architectural loudspeaker line-up, enabling integrators to deliver the authentic, superior audio performance that customers want for their home cinema or media room installations.

Characterised by their high SPL's and strong bass performance capabilities, the new DSP640.2 and DSP520.2 In-Wall Loudspeakers are the first to be powered by the new Meridian 'CLASS-M' DSP engine. The double precision Aux filter improves resolution on low frequencies, and the built-in Dynamic bass protection technology maximises bass extension, achieving the finest possible audio outcome.

Both models are also the first to integrate Meridian's 'DYNAMIC' Hi-Res amplifiers, for renowned audio quality in a wide range of installation applications. Each drive unit is driven by a pair of powerful, high bandwidth, ultra-HD amps for guaranteed performance and complete control, exceeding the Hi-Res audio standard. The amplifier's high mass toroidal transformer is electrically screened, potted, and optimised for the lowest possible mechanical noise, whilst post filter feedback delivers lower output noise and improved total harmonic distortion (THD), allowing even the smallest details to be heard. This new feature also provides greater control, accurate detail, and precise spatial resolution.

The new DSP640.2 In-Wall Loudspeaker features eight power amplifiers delivering 100w per drive unit and L + R mode for the ultimate, high-power soundbar applications. It's capable of delivering over 105dB over 4m, providing full range sound with bass extension down to 40Hz, together with Meridian's on-board Enhanced Bass Alignment that aligns high, mid, and upper bass frequencies with the low bass for added clarity. Meridian's proprietary Centre Elevation technology raises the perceived image location from an under-screen loudspeaker so that it appears to come from the centre of the screen, resulting in lifelike and spacious sound.

With a range of other enhancement technologies including FIFO buffering, DSP upsampling, apodising Filters, and MHR (Meridian High Resolution) built-in, the DSP640.2 can be used as a full-range loudspeaker with no need for an additional subwoofer, offering greater flexibility and the best possible performance from all digital sources.

Meanwhile, the DSP520.2 In-Wall Loudspeaker boasts an all-new quad-amp DSP design with four powerful amplifiers delivering 100w per drive unit. L+R mode technology ensure the true reproduction of all the audio present in a stereo recording when a single loudspeaker is used on its own, whilst delivering bass extension down to 50Hz for full range sound. The DSP520.2 features 1 x 140mm long throw bass driver and 1 x 85mm wide-range drivers for full-frequency response, maximum dispersion, and wide listening area. It also comes equipped with the latest on-board Meridian technologies including Centre Elevation.

With a mounting depth of just 100mm, both the DSP640.2 and DSP520.2 Loudspeakers are perfect for delivering discrete yet impactful sound in any home cinema or media room application. Their sleek, slim profile and frame system allows for easy installation and precise positioning on almost any type of wall, whilst the grille can be painted to blend seamlessly into any interior.

For further information visit [www.meridian-audio.com](http://www.meridian-audio.com).

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**ABOUT MERIDIAN AUDIO**

Since 1977, Meridian Audio has been crafting innovative, elegant, high performance audio solutions. From its flagship DSP loudspeakers with integrated amplification, to its discreet and powerful range of in-wall loudspeakers, Meridian delivers easy to install, high resolution audio systems for home cinemas and whole home solutions. The Meridian Audio experience is available in the latest models from Jaguar Land Rover, thanks to a collaborative partnership between these two leaders of British innovation and engineering. Meridian's renowned audio quality has also extended to new markets including consumer electronics through a Partnership with LG (LGE), and marine and airline, ultimately transforming the way people experience sound, wherever they are.

Learn more at [www.meridian-audio.com](http://www.meridian-audio.com).

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