



Meridian Audio

Product Description

At Zero1, we specialise in the design and integration of intelligent and user-friendly control over a complete range of services, for projects across residential, commercial and industrial environments.



We design bespoke automated environmental control over Lighting, Heating, Power, Audio, Video, HVAC, Gate Entry, Security & Surveillance, Remote Access, and much more. What's more, we offer control management via 'Once touch App' to control your property at the touch of a button.

About Meridian

Since 1977, Meridian have been crafting innovative, elegant, high performance audio solutions. From their flagship DSP loudspeakers with integrated amplification, to their discreet and powerful range of in-wall loudspeakers, Meridian deliver easy to install, high resolution audio systems for home cinemas and whole home solutions.



Digital Signal Processing (DSP)

Many Meridian Audio products feature the letters 'DSP' within their name. These three letters stand for 'Digital Signal Processing'; a technology that Meridian adopted over 25 years ago and have been perfecting ever since.

In short, DSP enables their products to achieve an extremely accurate reproduction of audio signals. When you listen to a Meridian system, it feels as though the artist is right there in the room with you. One of the most exciting capabilities of DSP is the level of control and adaptability it offers. Here are just a few of the many revolutionary Meridian product features:

Master Quality Authenticated [MQA] is a revolutionary end-to-end technology that delivers master quality audio in a file that's small enough to stream or download. What's more, it's backwards compatible, so will play on any device. And because it's fully authenticated, you can be sure you're hearing exactly what the artist approved in the studio.

Enhanced Bass Alignment [EBA] enables accurate time-alignment of the high, mid and bass frequencies reproduced by our loudspeakers. This process ensures that all of the sounds reach your ear at the same time, providing exceptional imaging and a clear, transparent, life-like sound.

The effect of sound arriving before the picture is highly noticeable when watching your favourite movies and television shows. Many Meridian products feature **Lip-Sync** to perfectly realign the audio with the video so that you can become completely absorbed.

Meridian High Resolution [MHR] allows the secure movement of high-resolution digital audio within a Meridian system, without degradation or loss in quality.



High Resolution Audio

Why does it matter?

When you listen to High Resolution Audio, you are able to feel every emotion, hear every note and experience every detail of your favourite artist's studio performance.

You no longer have to suffer distracting distortion, unnecessary noise and two-dimensional delivery. Hi-Res Audio provides the best possible listening experience.

Pioneers of High Resolution Audio

Hi-Res is in the DNA of Meridian. Since the beginning, Meridian have been dedicated to perfecting the path between the original performance and the sound that emerges from a loudspeaker. To achieve this every single component of every Meridian product is meticulously selected and engineered to maintain the integrity of the Hi-Res signal throughout the chain.

Here are just three of the pioneering technologies Meridian have developed to enable their products to deliver the most authentic sound possible:

MQA is a technology that captures the full magic of an original studio performance. Using pioneering scientific research into how people hear, MQA delivers master quality Audio in a file that's small enough to stream or download – the days of sacrificing quality for convenience are over.

Upsampling uses a complex digital filter to double the rate of samples from the source to improve the resolution of the finer details in the record. This means that even with a standard source such as a CD using our upsampling technology we are able to significantly enhance the listening experience.

MHR [Meridian High Resolution] is a patented Meridian audio format that combines high bandwidth, security and low jitter. MHR gets the highest possible sound quality in playback systems that use Meridian and enables the encoded transmission of PCM, MQA and DSD.



Home Audio Loudspeakers

The first product manufactured by Meridian was a loudspeaker, the category changing M1. Since then Meridian loudspeakers have become renowned throughout the world, winning numerous accolades and awards for their outstanding design and performance.



Special Edition DSP8000 Digital Active Loudspeaker



Outstanding performance. Five powerful wide range 150W amplifiers deliver a maximum output level of 120dB at 1m.



Light weight, dual voice coil, Beryllium tweeter for Refined high frequency performance (up to 32kHz).



Clamp rings ensure that the bass and midrange drivers are isolated from the cabinet, giving the most controlled and detailed sound possible.



New extended-bandwidth analogue electronics optimised to Deliver maximum performance from high-resolution performances.



DSP8000.2 Digital Active Loudspeaker

Designed without compromise, the DSP8000.2 cabinet features a unique construction with a dedicated bass enclosure and a separate head-assembly for the midrange and high-frequency drive units.



Listener controls including time-compressed balance, listening axis and Enhanced Bass alignment – enables considerable speaker placement flexibility.



Advanced high-efficiency composite dome tweeter.



On-board DSP provides thermal and dynamic bass protection – enables high level use for prolonged periods of time.

Home Audio Loudspeakers

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Special Edition DSP7200 Digital Active Loudspeaker



Outstanding performance. Four powerful wide range 150W amplifiers deliver a maximum output level of 118dB at 1m.



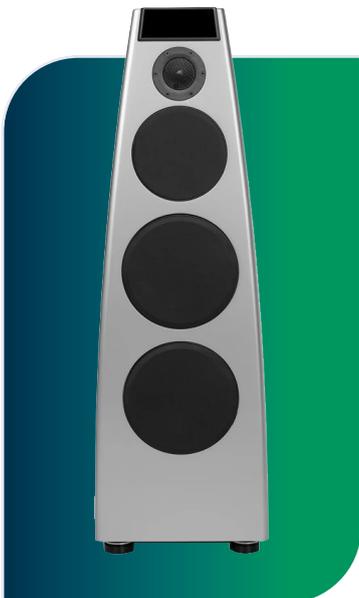
Light weight, dual voice coil, Beryllium tweeter for Refined high frequency performance (up to 32kHz).



Clamp rings ensure that the bass and midrange drivers are isolated from the cabinet, giving the most controlled and detailed sound possible.



New extended-bandwidth analogue electronics optimised to Deliver maximum performance from high-resolution recordings.



DSP7200.2 Digital Active Loudspeaker

With the same outstanding performance as the special edition. The three powerful wide range amplifiers provide 150w of power and deliver a maximum output level of 118dB at 1m.



Listener controls including time-compressed balance, listening axis and Enhanced Bass alignment – enables considerable speaker placement flexibility.



Advanced high-efficiency composite dome tweeter.



On-board DSP provides thermal and dynamic bass protection – enables high level use for prolonged periods of time.

Home Audio Loudspeakers

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Special Edition DSP5200 Digital Active Loudspeaker



Outstanding performance. Three powerful wide range 75W amplifiers deliver a maximum output level of 116dB at 1m.



Light weight, dual voice coil, Beryllium tweeter for Refined high frequency performance (up to 32kHz).



Clamp rings ensure that the bass and midrange drivers are isolated from the cabinet, giving the most controlled and detailed sound possible.



New extended-bandwidth analogue electronics optimised to Deliver maximum performance from high-resolution recordings.



DSP5200.2 Digital Active Loudspeaker

With the same outstanding performance as the special edition. The three powerful wide range amplifiers provide 75w of power and deliver a maximum output level of 116dB at 1m.



Listener controls including time-compressed balance, listening axis and Enhanced Bass alignment – enables considerable speaker placement flexibility.



Advanced high-efficiency composite dome tweeter.



On-board DSP provides thermal and dynamic bass protection – enables high level use for prolonged periods of time.

Home Audio Loudspeakers

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DSP3200 Digital Active Loudspeaker



Outstanding performance. Two powerful, built in 75W amplifiers with DSP provide a maximum output level of 114dB at 1m.



Perfectly suited to a wide range of room positions on or in furniture, on floor stands or wall brackets.



On-board DSP provides thermal and dynamic bass protection – enables high level use for prolonged periods of time.



Advanced listener controls including time-compensated balance, listening axis and Enhanced Boundary Correction enabling greater speaker placement.



M6 Digital Active Loudspeaker



Outstanding performance. Two powerful, built in 75W amplifiers with DSP provide a maximum output level of 114dB at 1m.



Onboard DSP provides thermal and dynamic bass protection – enables high level use for prolonged periods of time.



Off axis dispersion and even distribution of sound – creates wide listening area perfect for large spaces.



Enhance Boundary Control eliminates bass boom.

The Meridian M6 is a visually stunning loudspeaker. Featuring individual components that are perfectly matched and sonically balanced, the entire system's electronics are housed within the enclosure and deliver a level of performance that is unsurpassed by traditional speaker design.

Whether used individually, in a stereo pair or within a surround-sound system, the gently tapered and cylindrical shape gives the M6 its naturally wide dispersion pattern which fills a room with a superbly-imaged, natural sound that can be enjoyed from any position. The M6 not only looks stylish but also provides a powerful performance every time



Home Audio Loudspeakers

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DSW600 Digital Active In-wall Loudspeaker



Featuring Meridian's Enhanced Bass Alignment (EBA) technology. Perfect bass alignment for fast, tight, deep for accurate bass and seamless system integration.



Immersive, powerful and accurate bass down to 24Hz.



Built-in amplification capable of delivering over 600W of power without taking up space or generating heat in the rack.



On-board DSP supports partnering with any Meridian Architectural loudspeaker to provide truly full-range performance from a two-box in-wall solution.



Built-in music and movie modes to tailor bass performance.



Ultra-Shallow mounting depth of less than 100mm allows flexibility in installation.



Sealed cabinet from birch plywood with heavy internal bracing, delivers a reliable repeatable performance regardless of installation.

The DSW600 is a shallow-depth, digital active in-wall subwoofer designed to handle the most bass heavy music and movie soundtracks with ease. Deep, powerful and exciting bass is delivered with perfect timing down to 24Hz thanks to Meridian's unique 'DSP' advantage and Enhanced Bass Alignment Technology.

The DSW600 can integrate into a variety of installation applications, it delivers impactful bass in any room size and as part of any loudspeaker configuration; it can be used to augment the bass from other loudspeakers in both two-channel and surround-sound systems, and it can be used to play the dedicated LFE channel - either on its own or when used in multiples.

To find out more about Meridian, and the endless possibilities that automation can offer, bespoke to your needs, please contact the Zero1 team on:

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