



# M2500

## Active Subwoofer

Sales information

25<sup>th</sup> March 2002

- **Dual driver acoustic-suspension active loudspeaker**
- **Two high-efficiency power amplifiers – one for each drive unit**
- **Balanced and unbalanced inputs**
- **Switchable electronic crossover**
- **Digital version (D2500) available**

## Background

Bass is the foundation to music, a key to enjoying full-range music and spectacular Hollywood soundtracks. Unfortunately, most subwoofers compensate for a lack of low bass by over-emphasising mid bass. The result is a boomy character that might impress at first but clouds the midrange and eventually fatigues the listener.

Meridian, in contrast, emphasizes extreme bass depth, clarity, control, articulation, slam and attack and the Meridian M2500 Active Subwoofer is designed to bring you the highest quality sound possible, whether as part of an enhanced stereo system or a full home theatre.

## Meridian M2500

Using a 200-watt amplifier wired directly to two 10-inch woofers in an active configuration, the M2500 provides far more bass energy than a conventional design of the same power. The subwoofer is easily capable of visceral bass for subterranean theatre effects, yet nimble enough to treat the most subtle music with delicacy.

The M2500 has unbalanced and balanced inputs with both positive and negative phase connections, a switchable electronic crossover and two power amplifiers. It is fully shielded for use close to monitors and televisions and, like all Meridian subwoofers, is constructed from 22mm MDF which is both braced and damped.

The crossover in the M2500 is a second order Butterworth design with switchable settings at 80Hz and 120Hz. It can also have a BYPASS setting for better integration between the M2500 and surround sound controllers that feature internal crossovers on their dedicated subwoofer outputs.

## Technical Specification

- Performance:** In room response within 3dB, 30Hz-400Hz (Bypass).  
Switchable 2nd order Butterworth crossover with settings at 80Hz and 120Hz.  
Typical output >110dB spl @ 1m.  
Noise and hum <-72dBm.  
Distortion <0.1%, typically less than 0.02% up to full power at all relevant frequencies.
- Inputs:** Unbalanced on phono connectors 6V-500mV.  
Balanced on XLR 12V-1V rms max.
- Construction:** Two 250mm high-efficiency long-throw custom drivers with 2kg shielded magnet in a magnesium basket.  
22mm veneered MDF braced and damped.  
Complementary high-efficiency bipolar design, with output-stage error correction and twin feedback loop.  
200W mean power continuous.
- Power:** 100-125; 200-230; 210-250V AC 50-60Hz  
10VA idle; 200VA max
- Dimensions:** 788mm (31.1in) W, 416 (16.4) H, 440 (17.3) D without supplied feet or castors. Weight 56kg (123.5lb).

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