

M1500

Active Subwoofer

Sales information

25th March 2002



- **Single 10-inch driver acoustic-suspension active loudspeaker**
- **High-efficiency 100 Watt power amplifier**
- **Switchable electronic crossover**
- **Built from 22mm MDF, braced and damped and finished with a 6mm annealed plate glass top**
- **Digital version (D1500) 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 M1500 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 M1500

Using a 100-watt amplifier wired directly to a 10-inch woofer in an active configuration, the M1500 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 M1500 has left and right unbalanced inputs with both positive and negative phase connections, a switchable electronic crossover and a 100-Watt high-efficiency bipolar amplifier design. 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 M1500 is a second order Butterworth design with switchable settings at 80Hz and 120Hz. It can also be switched to the "OFF" position, bypassing the internal crossover to allow better integration between the M1500 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 >107dB 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.
- Construction:** Two 250mm high-efficiency long-throw custom drivers with 2kg shielded magnet in a magnesium basket.
Veneered MDF braced and damped, in black with 6mm annealed plate glass top.
Complementary high-efficiency bipolar design, with output-stage error correction and twin feedback loop.
200W mean power continuous.
100-125; 200-230; 210-250V AC 50-60Hz
6VA idle; 150VA max
- Power:**
- Dimensions:** Height, Width and depth 416mm (16.4in) without supplied feet or castors. Weight 35kg (77lb).

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