

Turbosound LMS-D24 2 Input/4 Output Digital Loudspeaker Management System with BV-Net Card

The TURBOSOUND LMS-D24 digital loudspeaker management system is a compact and powerful DSP based 2-in 4-out audio processing unit, ideally suited to live sound and fixed installation applications, and designed for use with TURBOSOUND loudspeakers and associated bass enclosures and subwoofers. It provides tailored equalisation and crossover functions specific to TURBOSOUND loudspeaker systems in a compact 1U high, 19" wide rack unit.

To achieve this, the LMS-D24 provides two inputs and four outputs, configured by factory presets, in addition to a total of 40 user-defined presets to enable use with a variety of loudspeakers. High performance limiters, delays (up to 400 ms input, 80 ms output), equalisation, gain, polarity, and crossover filter controls are accessible to the user in order to match specific operating environments. It provides exceptional audio quality through the use of carefully optimised processing and high performance converters for better than 111 dB of dynamic range, 96 kHz sampling rate and minimal filtering. It employs audio-grade capacitors in the analogue signal path for true audiophile performance and superior accuracy. The LMS-D24 features LF shelving filters to allow adjustment of the response in order to match variations of the acoustic conditions such as half space environments like floor monitor applications, or for close coupling of loudspeaker arrays. Input delays of up to 400 ms, and output delays of up to 80 ms can be set up on each output (mono) or pair of outputs (stereo) with fine resolution of 21 μ s steps to ensure perfect driver alignment.

Features:

- 2 input, 4 output digital loudspeaker management system processor with BV-Net card
- State-of-the-art DSP implementation for highest signal integrity
- Crossover filters up to 48 dB/oct with Butterworth, Bessel and LinkwitzRiley responses
- High pass filter, 2 shelving filters, 6 parametric EQs and 400 ms of delay on each input
- 2 shelving filters, 6 parametric EQs, 80 ms of delay and limiter on each output
- Comprehensive channel grouping and ganging options
- TURBODRIVE remote control software available for download at turbosound.com
- Presets for TURBOSOUND passive and bi-amped speakers available for download
- Rugged 1U rackmount chassis for durability in portable applications
- Auto-ranging universal switch-mode power supply
- 3-Year Warranty Program*
- Designed and engineered in England