DX1
Loudspeaker management system

features
- Comprehensive specification as standard
- Superb audio quality with full > 110dB dynamic range
- 2 input, 6 output multi-mode format
- 6 x 5 band parametric EQ sections
- RS232 interface for factory preset
  updates via PC

applications
- Ideal for live and fixed installation loudspeaker management
- Provides powerful DSP based audio processing
- Fully configurable as electronic crossover system

The DX1 is a compact, powerful DSP based audio processing unit, ideally suited for live applications and fixed installations.

The unit has 2 inputs and 6 outputs, configurable in 5 basic modes (2x2 way, 2x3 way, 4 way, 5 way and 6 way crossover). Each input has adjustable gain and delay. Each output consists of a high and low pass filter, 5 bands of parametric equalisation, limiter, delay (adjustable in 2.6 µs steps), gain and polarity controls.

Standard specification includes a maximum of 80 factory presets, 19 user memories and a multi level security ‘lock out’ function for all controls. An RS232 interface enables factory presets to be easily updated by downloading the current file via a PC.

The DX1 is supplied pre-loaded with common configurations for all current Martin Audio products which benefit from use of a system controller. It is also fully configurable for use as an electronic crossover system.
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Overall dimensions:
- Width: 430.0mm (16.93"")
- Height: 482.6mm (19.00"")
- Depth: 44.0mm (1.74"")

DX1 electronics
The electronic system controller shall have 2 inputs and 6 outputs and operate as a 2x2-way, 2x3-way, and 4-way, 5-way or 6-way crossover device. Each output shall consist of a high and low pass filter, 5 bands of parametric equalisation, limiter, delay, gain and polarity controls. All inputs and outputs shall be electronically balanced. The controller shall be supplied pre-loaded with common configurations for all current Martin Audio products, have 19 user memories and a multi-level security ‘lock out’ function for all controls. A rear panel mounted RS232 interface shall enable factory presets to be easily updated by downloading a current file via a PC. The system controller shall include a voltage selection switch to enable operation from a 100, 120, 220 or 240V 50/60Hz AC mains power source.

Dimensions (W) 483mm x (H) 44mm (1U) x (D) 285mm (19ins x 1.75ins x 11.2ins). Weight 3.5kg (7.7lbs).

The electronic loudspeaker system controller shall be the Martin Audio DX1.