EMX 1A
System controller

features
- Dedicated EM Series controller
- 2-way stereo operation
- Amplifier sense circuits

applications
- Control of EM Series loudspeakers

This advanced system controller is designed for use with all EM Series loudspeaker systems with the exception of the bi-amped EM186. It provides system EQ and limiting functions in full-range mode, as well as a 120Hz active crossover when used with EM sub-bass systems.

Users are offered maximum flexibility with relative level functions and sub/full-range selection controls conveniently located on the front panel, but recessed for security. LED indicators show limiter status and operating mode. User-configurable EQ and limiting controls within the unit set the appropriate parameters for the particular EM Series loudspeaker in use.
EMX1A
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**Overall dimensions**

- Width: 425.3mm [16.74”]
- Height: 203.0mm [7.99”]
- Depth: 482.6mm [19.00”]
- Height (Rack-mount): 44.0(1U) [0.12”]
- Depth: 419.0mm [16.50”]

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The electronic system controller shall operate as a stereo 2-way device designed specifically for the EM Series loudspeakers, providing system EQ and limiting functions in full-range mode and an active crossover for use with EM Series sub-bass systems. Front panel controls shall allow for relative level functions and sub or full-range selection. Limiter functions shall be controlled by amplifier sense circuits, which continuously monitor limiter thresholds. The front panel shall include LED indicators to give a visual indication of limiter status and full-range or sub-bass operation. All inputs and outputs shall be electronically balanced. The power supply shall be capable of operating from a 100-120/220-240V 50/60Hz AC mains power source, internally selectable by a hard wire link.

Dimensions (W) 482mm x (H) 44mm (1U) x (D) 211mm (19ins x 1.75ins x 8.3ins).
Weight 3.5kg (7.7lbs).

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

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**Gain** Nominal 0db
**Signal + Noise** > 97dB @ 2V output
**Noise Ratio** 20Hz-20kHz quasi peak
**Inputs** 2 x XLR (balanced)
**Output Impedance** < 50 Ohms electronically balanced with auto correction for unbalanced termination
**Max. Input** +20dBu
**Max. Output** +20dBu (or set by limiters)
**Electronic Crossover** 120Hz
**Frequencies**
  - Input: 2 x XLR (balanced)
  - Output: < 50 Ohms electronically balanced with auto correction for unbalanced termination
**Front Panel Indicators** 4 x limit LED, full-range/sub LED
**Front Panel Controls** Full-range/sub switch, sub trim
**Limiters** 4 x band limiters
**Sense Inputs** 4 pairs
**Dimensions** (W) 483mm x (H) 44mm x (D) 211mm (19ins x 1.8ins x 8.3ins)
**Weight** 3.5kg (7.7lbs)