

EMX2A

System controller

architectural

features

- ▶ Dedicated EM186 controller
- ▶ 2-way/3-way stereo operation
- ▶ Amplifier sense circuits

applications

- ▶ Control of EM186 loudspeaker



This high specification system controller provides active crossover functions for the EM186. In addition this controller enables the EM186 to be used with a sub-bass enclosure. It also provides EQ and limiting functions across three stereo bands.

Limiter functions are controlled by innovative amplifier sense circuits which continuously monitor limiter thresholds. Trim controls recessed behind the front panel allow adjustment of individual band levels whilst front panel LED indicators show operating mode and limiter status.

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System controller



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technical specifications

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 FREQUENCIES	120Hz, 650Hz
FRONT PANEL INDICATORS	6 x limit LED, full-range/sub LED
FRONT PANEL CONTROLS	Full-range/sub switch, sub trim, MF/HF trim
LIMITERS	6 x band limiters
SENSE INPUTS	6 pairs
DIMENSIONS	(W) 483mm x (H) 44mm x (D) 211mm (W) 19ins x (H) 1.8ins x (D) 8.3ins
WEIGHT	3.5kg (7.7 lbs)

architectural and engineering specifications

The electronic system controller shall operate as a stereo 2-way device designed specifically for the EM186 loudspeaker and as a stereo 3-way device when the EM186 is used with a sub-bass enclosure. 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 EMX2A.

Trade Descriptions Act

Due to Martin Audio's policy of continuing improvement, we reserve the right to alter these specifications without prior notice. Martin Audio is committed to refining state of the art sound reinforcement, combining in-depth product and field applications research with advanced manufacturing techniques. Every Martin Audio product is built to the highest manufacturing standards and rigorously tested to ensure that it meets the performance criteria specified in the design.

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