

# EMXIA

System controller

architectural

## 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.

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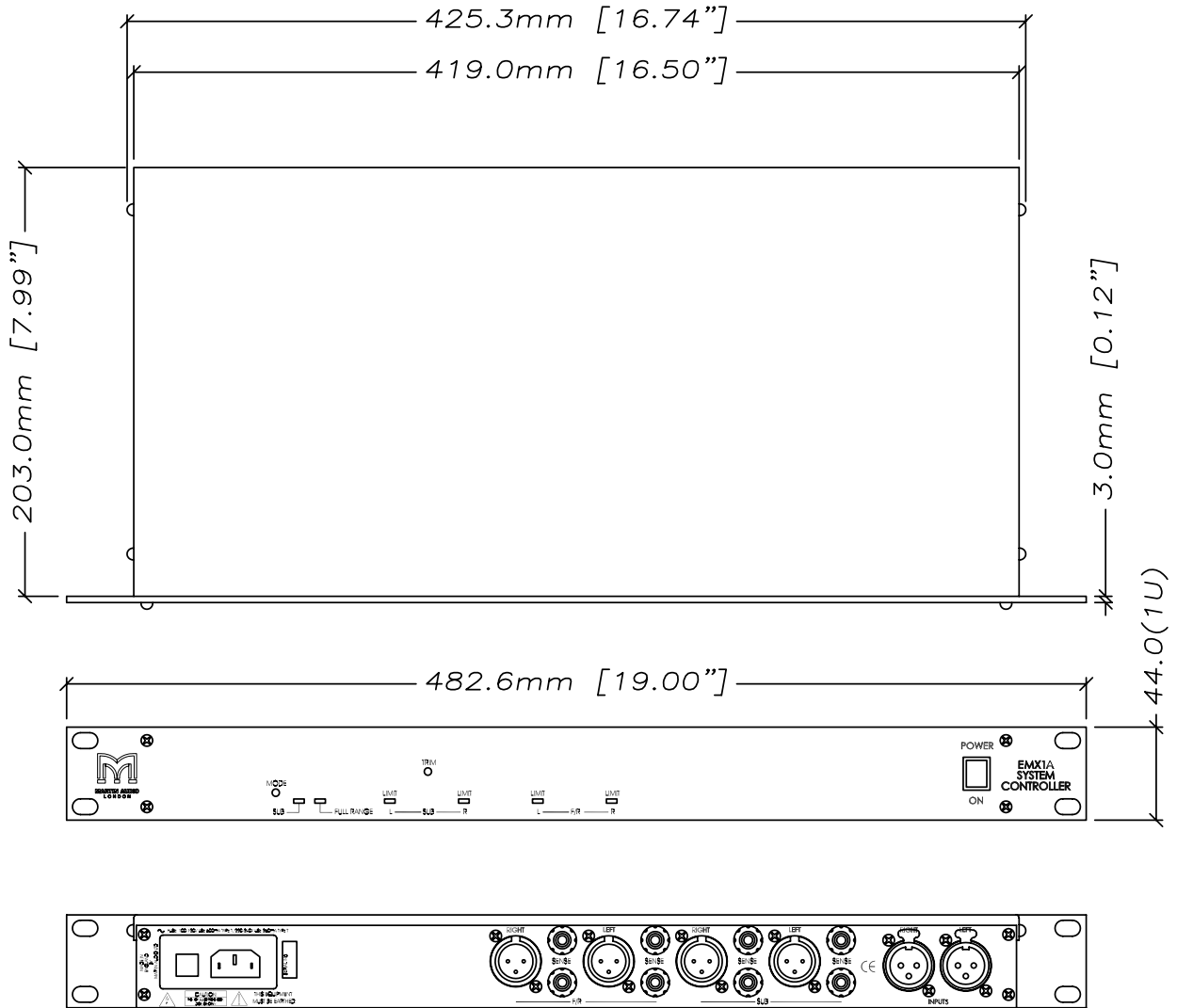


# EMX1A

System controller

overall dimensions

architectural



EMX1A

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# EMXIA

System controller

## 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
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 (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 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.

### 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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