

WX3A

System controller

features

- ▶ 2-way stereo or 3/4-way mono operation
- ▶ Individual band limiting

applications

- ▶ Live and fixed installations



The dedicated WX3A controller can be configured to provide output across the Wavefront loudspeaker family. Pre-sets for given Wavefront systems include crossover frequencies, relative output levels, phase adjustment, group delay and equalisation. Configured in two-way stereo mode it can provide either full-range and sub-bass outputs for the W1 and passive W2, or low and high outputs for the active W2 and W3. As a 3/4 way mono device it provides sub-bass, low and high for the active W2 and W3, when used with subwoofers.

Advanced adjustable fast attack limiters in each band prevent amplifier clipping and protect loudspeakers. Avoiding the need for external amplifier sensing for limiter operation, the WX3A can be positioned near the mixer rather than in the amplifier rack.

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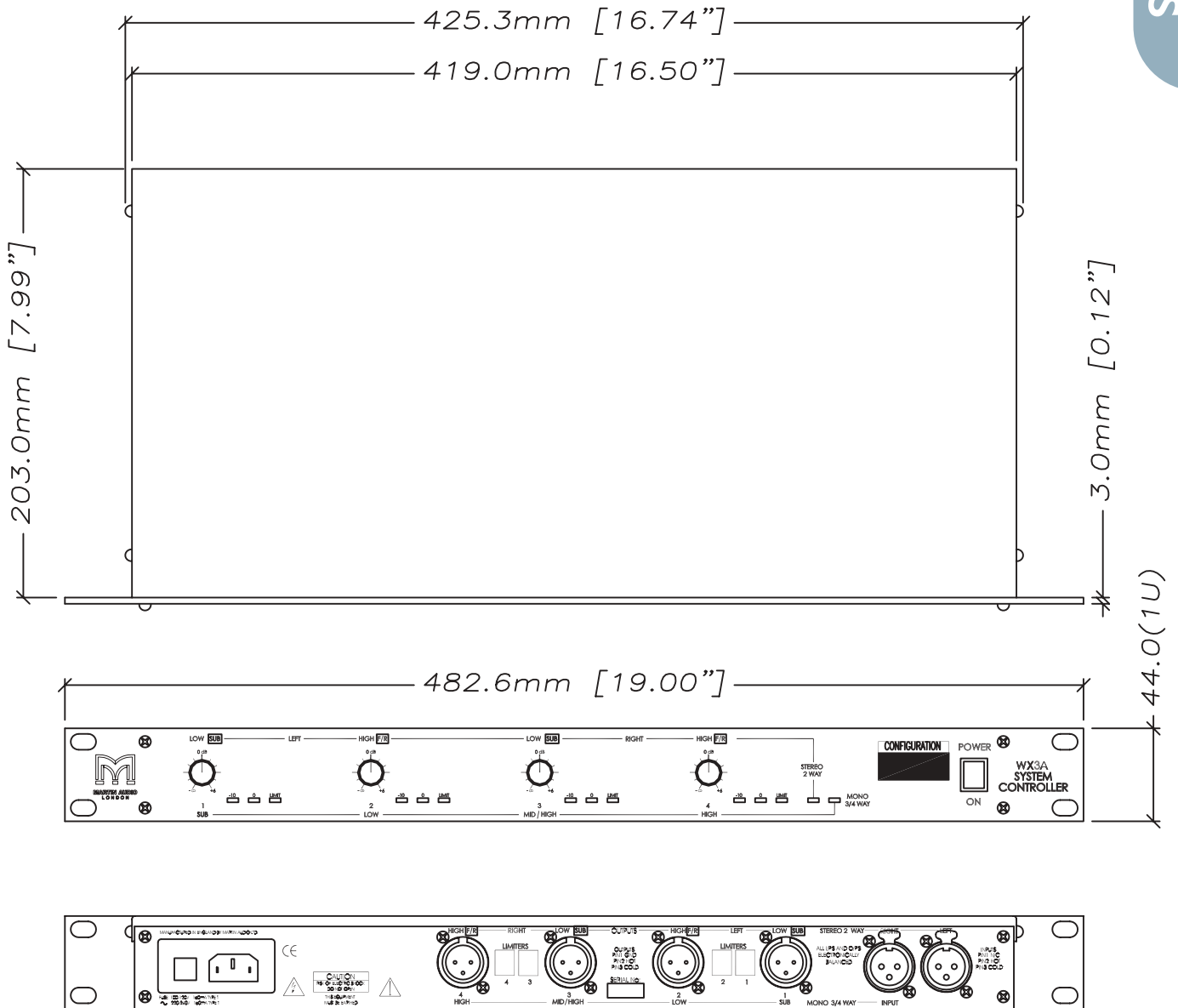


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overall dimensions

electronics



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technical specifications

MAINS SUPPLY	IEC mains connector, integral fuseholder and voltage selector switch
MAINS VOLTAGE	Selectable 100, 120, 220, 240, VAC 50-60Hz
INPUTS	XLR3-31 type or equivalent > 36k electronically balanced, CMRR >67dB @ 10kHz max level +20dBu Pin 1 n/c / Pin 2+ / Pin 3-
OUTPUTS	XLR3-32 type or equivalent <50 Ohms electronically balanced with auto correction for unbalanced termination. Max level +20dBu into 500 Ohms (with limiter defeated) Pin 1 gnd / Pin 2+ / Pin 3-
SIGNAL + NOISE/ NOISE RATIO	>97dB @ 2V output 20Hz-20kHz quasi peak with open circuit input
FIXED FILTERS	Lowpass -3dB @ 35kHz, 12dB/octave, ultimately 18dB/octave Highpass -3dB @ 25Hz 12dB/octave or as defined by system parameters
SYSTEM PARAMETERS	Crossover frequencies and slopes, level matching and phase adjustments defined by plug-in board
LIMITERS	Individual band limiters with switchable threshold and programme related selected attack times ratio 20:1
INDICATORS	2-way stereo/3/4-way mono LEDs. Signal present, threshold and limit LEDs on each band
FRONT PANEL FACILITIES	Mains switch, power and system status indicator, 4 x level controls (-infinity to +6dB)
PROTECTION	Auto-muting relays and soft start (4 secs)
GROUNDING	IEC direct to chassis. Signal ground switchable on outputs, direct or lifted
DIMENSIONS	(W) 483mm x (H) 44mm x (D) 211mm (W) 19.0ins x (H) 1.75ins x (D) 8.3ins
WEIGHT	3.5kg (7.7lbs)

architectural and engineering specifications

The electronic system controller shall operate as a 2-way stereo or 3/4-way mono device containing crossover, equalisation and limiter circuitry. Crossover frequencies, equalisation, phase and delay parameters shall be set by a plug-in board dedicated to the loudspeaker system under control. All inputs and outputs shall be electronically balanced. The controller shall include individual band limiters with switchable threshold and programme related selected attack times. Front panel mounted LED's shall indicate 2-way stereo/3/4-way mono operation and also signal present, threshold, and limit functions on each band. All outputs shall include a front panel mounted -infinity to +6dB level control. 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) 211mm (19ins x 1.75ins x 8.3ins).
Weight 3.5kg (7.7lbs).

The electronic loudspeaker system controller shall be the Martin Audio WX3A.

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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