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.
WX3A
System controller

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
XLR3-12 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 GROUNDING
Auto-muting relays and soft start (4 secs)
IEC direct to chassis. Signal ground switchable on outputs, direct or lifted

DIMENSIONS
(W) 483mm x (H) 44mm (1U) x (D) 211mm (19ins x 1.75ins x 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.

Century Point, Halifax Road, Crexson Business Park,
Telephone: + 44 (0)1494 535312 Facsimile: + 44 (0)1494 438669
E-mail: info@martin-audio.com
All information is Copyright © 2003 Martin Audio Ltd.

www.martin-audio.com