

# DX0.5

## Loudspeaker Management System



Offered to partner our new CDD range the DX0.5 adds affordable loudspeaker system management to the existing range of DX loudspeaker controllers. Delivering EQ, crossover, processing and system protection, the DX0.5 2x6 speaker processor provides complete optimisation for both passive and powered loudspeaker systems.

Each input and output is loaded with a huge range of digital processing including flexible EQ, crossover, delay and limiting solutions. It delivers everything you need to professionally optimise loudspeaker systems of nearly any size. The DX0.5 utilizes high-end 24-bit AKM® AD/DA converters with 120dB dynamic range for class-leading sound quality. With 24 memory locations and pre-configured preset files downloaded from the Martin Audio website, users can simply install these via the software application and front panel USB or define and store their own settings. With simple I/O routing and configuration, the DX0.5 is an ultra-flexible processor, ideal for a wide range of portable and installed applications.

## Features

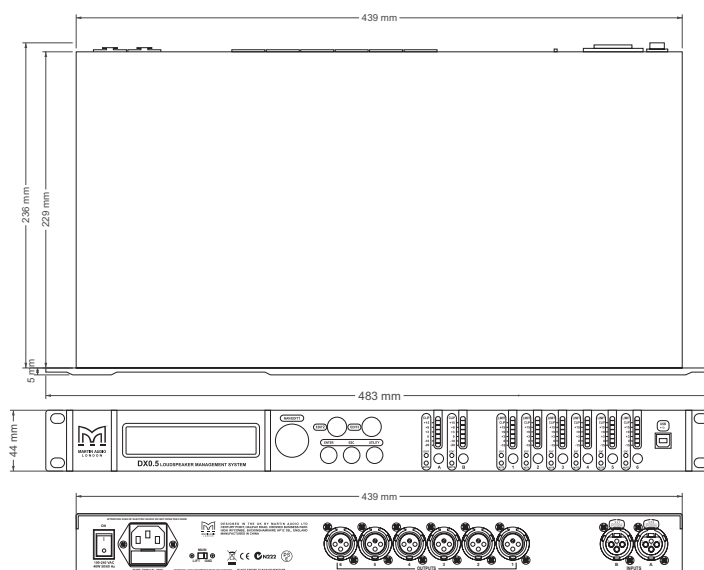
- Professional 2-input, 6-output system processor for passive and powered PAs
- Sophisticated, intuitive EQ, crossover, delay and dynamics processing optimizes and protects your system
- High-end 24-bit AKM AD/DA converters with 120dB dynamic range
- Two balanced XLR inputs with level control, mute, 600ms delay and 5-band parametric/shelving EQ
- Six balanced XLR outputs with level control, mute, polarity invert, dedicated high and low pass filters, 7-band parametric/shelving EQ, 600ms delay, and limiting
- Convenient front-panel controls for parameter editing and input/output muting
- USB port for simple programming via PC
- Linkable inputs and outputs for easy stereo configuration
- 7-segment LED metering for input/output level or limiter activity
- 5 operating modes: 2 x stereo + sub, 3 x stereo, 2 x 2-way + sub, 2 x 3-way and 1 x 6-way
- 24 presets for storing your Martin Audio or other system parameters
- Switch mode power supply: 100V – 240V
- Compact, single rack unit design
- Approximate shipping weight: 4.0 kg

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### Technical Specifications

INPUTS	2 electronically balanced analogue
CMRR	>58dB
OUTPUTS	6 electronically balanced analogue
MAX OUTPUT	+21dBu
FREQUENCY RESPONSE	20Hz-20kHz $\pm$ 0.2dB
DYNAMIC RANGE	120dB
DISTORTION	< .004% 20Hz-20kHz
MAXIMUM DELAY	>600 ms
MIN STEP SIZE	20 $\mu$ S
INPUT GAIN	$\pm$ 15dB in 0.1dB steps
OUTPUT GAIN	+6dB to -12dB in 0.1dB steps plus mute
<b>DIGITAL</b>	
AD-DA CONVERSION	24bit
DYNAMIC RANGE	120dB
SAMPLE RATE	48kHz
<b>PARAMETRIC EQUALISATION</b>	
FILTERS	5 per input / 7 per output
FILTER GAIN	$\pm$ 15dB in 0.05dB steps
FREQUENCY RANGE	20Hz - 20kHz, 1/24 octave steps
FILTER BW	3 to 0.05 in 0.05 steps
<b>HIGH AND LOWPASS FILTERS</b>	
FREQUENCY RANGE	20Hz - 20kHz
<b>RESPONSES</b>	
BUTTERWORTH	6dB, 12dB, 18dB, 24dB / Octave
LINKWITZ-RILEY	12dB, 24dB / Octave
BESSEL	12dB, 24dB / Octave
<b>LIMITERS</b>	
THRESHOLD	+20dBu to -10dBu
ATTACK TIME	5ms to 200ms
RELEASE TIME	0.1 – 3.0s $\pm$ 0.1s increments
DISPLAY	2 x 24 character blue LCD
INPUT METER	2 x 7 point, -20dB to +15dB
OUTPUT METER	6 x 7 point, -15dB to +15dB into limit
<b>CONNECTORS</b>	
INPUTS	3 pin female XLR
OUTPUTS	3 pin male XLR
EXTERNAL	USB TYPE-B (USB1.1)
	Program via Windows-based PC
	Download app and driver from:
	<a href="http://www.martin-audio.com/software/software">www.martin-audio.com/software/software</a>
POWER	3 pin IEC
POWER	100 to 240V @ 50/60Hz
CONSUMPTION:	40 watts
DIMENSIONS	(W) 482mm x (H) 44mm x (D) 229mm
	(W) 19ins x (H) 1.75ins (1U) x (D) 9ins
WEIGHT	2.6kg (5.8lbs)



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