

DX2

Loudspeaker management system

features

- ▶ 4 input 8 output loudspeaker management
- ▶ Analogue or AES digital inputs and outputs
- ▶ Parametric, low and high shelf EQ
- ▶ Bessel, Butterworth and Linkwitz-Riley crossover filters
- ▶ Gain, delay and limiter functions
- ▶ Fully configurable routing matrix
- ▶ RS485 interface
- ▶ Audiocore compatibility

applications

- ▶ Live sound loudspeaker management
- ▶ Active monitor systems
- ▶ Fixed installations

The DX2 embraces the very latest advances in technology to meet the ever increasing demand and expectations placed on professional audio systems. Based on a completely new processing platform, running at 96kHz, the DX2 sets a new standard in terms of performance, flexibility and ease of use.

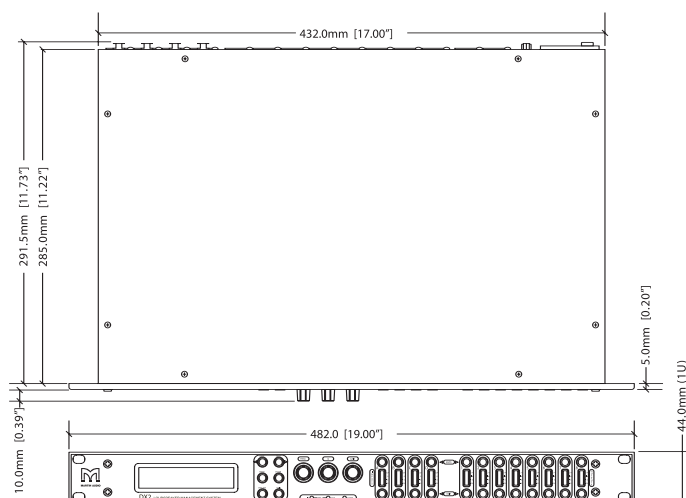
The DX2 is a comprehensive, 4 input 8 output, digital loudspeaker management system, capable of being easily configured to meet the most demanding applications in both fixed installation and live touring environments.



technical specifications

INPUTS	4 electronically balanced analogue plus industry standard AES/EBU digital via XLR connectors
IMPEDANCE	> 10K ohms analogue
CMRR	>65dB 50HZ - 10KHZ
OUTPUTS	8 electronically balanced analogue plus industry standard AES/EBU digital via XLR connectors
SOURCE IMP	< 60 ohms analogue
MIN. LOAD	600 ohms analogue
MAX. LEVEL	+20dBm (+20dBu into 600 ohms)
FREQUENCY RESPONSE	20Hz-20KHz \pm 0.5dB, -3dB @ 32KHz
DYNAMIC RANGE	> 116dB 20Hz-20KHz unweighted
DISTORTION	< .02% @ 1KHZ, +18dBm
MAXIMUM DELAY	650 ms
MIN STEP SIZE	0.3 μ S
INPUT GAIN	+6dB to -40dB in 0.1dB steps
OUTPUT GAIN	+15dB to -40dB in 0.1dB steps plus mute
PARAMETRIC EQUALISATION	
FILTERS	8 per input / 9 per output
FILTER GAIN	+15dB to -30dB in 0.1dB steps
FREQUENCY RANGE	19.7Hz - 32KHz, 1/36 octave steps
FILTER Q / BW	0.4 to 128 / 2.5 to 0.008
(Sections switched to shelving response)	
LOW FREQUENCY	19.2Hz - 1KHz
HIGH FREQUENCY	1KHz - 32KHz
SHELF GAINS	\pm 15dB in 0.1dB steps
HIGH AND LOWPASS FILTERS	
FREQUENCY RANGE HPF	10Hz - 16KHz 1/36 octave steps
FREQUENCY RANGE LPF	35Hz - 22KHz 1/36 octave steps
RESPONSES	
1ST ORDER	6dB/Oct
BESSEL/BUTTERWORTH	
/LINKWITZ-RILEY	12, 24 and 48dB/Oct
BESSEL/BUTTERWORTH	18dB/Oct
LIMITERS	
THRESHOLD	+22dBu to -10dBu
ATTACK TIME	0.3 to 90 ms
RELEASE TIME	2/4/8/16/32 x Attack time
DISPLAY	2 X 24 character blue LCD
INPUT METER	2 X 4 point, -24dB to +4dB into limit
OUTPUT METER	8 X 4 point, -24dB to +4dB into limit
CONNECTORS	
INPUTS	3 pin female XLR
OUTPUTS	3 pin male XLR
EXTERNAL	9 pin D-type connector (RS232)
RS485	3 pin male XLR (out) 3 pin female XLR (in)
POWER	3 pin IEC
POWER	60 to 250V \pm 15% @ 50/60Hz
CONSUMPTION:	< 30 watts
LATENCY	1.5 ms (analogue in - analogue out @ 96kHz)
SIZE	(W) 482mm X (H) 44mm X (D) 305mm (W) 19ins X (H) 1.75ins (1U) X (D) 12ins
WEIGHT	3.5kg (7.7lbs)

overall dimensions



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