

Midas XL88

OVERVIEW

8x8 matrix rack mount unit	The Midas XL88 is a line level 8 x 8 matrix mixer which will greatly expand the capabilities of any mixing console to give eight fully independent sound balances from eight pre-mixed group outputs from the main console. A few specialised consoles have a matrix incorporated into their design, but the XL88 can offer this valuable extra facility to any sound installation, and is suitable for use with loudspeaker arrays, satellite links, land lines, and audio applications of all kinds.
	The construction of the XL88 is fully modular to Midas' high standard. The steel frame is designed to be mounted in a standard nineteen inch rack and is four units (4U) in height. Rear support is not required. Inputs and outputs are all balanced, either electronically or via optional transformers. The audio quality is, of course, to a fully professional standard and the unit interfaces easily with other equipment.
The XL88 frame contains eight identical channel modules, each of which has the following features:	Balanced input Direct output with level control and mute button Eight matrix routing switches and level controls matrix output with level control via a large Penny and Giles fader Matrix output mute button 20 segment LED bargraph meter switchable to show the level of the direct output or the matrix output
	A Pre-Fade Listen function allows instant access to all inputs and matrix outputs. A rear panel XLR carries the PFL signal to the main mixing console or to any other monitoring system.
	The Midas XL88 has been designed for ease of use with clear panel markings and LED status indicators for all audio switches. Multiple XL88 units may easily be combined to extend the matrix facility to 8 x 16, 8 x 24, or in fact to virtually any number of outputs.
Reliability Control	Even with the advanced technology incorporated in this product, each instrument is given the full backing of Midas' Reliability Control which proves it against a specification consistent with the highest professional standards. Only top quality components are used and every unit is bench tested and aligned before a burn-in period and final performance test.

WEIGHTS AND DIMENSIONS

Weight (Nett)	9kg
Weight (Shipping)	10.5kg
Width	482mm (19 inch)
Depth	203mm (8 inch)
Height	174mm (7 inch)

SPECIFICATIONS

Inputs	Eight Type Impedance (ohm)	Balanced (electronically) 20k Balanced 10K Unbalanced	
Outputs	Direct Matrix P.F.L Type Min. load impedance Source impedance Max. level	Eight Eight One Balanced (electronically) 600ohm <60ohm +21dBm	
Performance	Frequency Response Distortion Equivalent Input noise System Noise	(20 to 20kHz) @ +20dBm unweighted 1 Input and 1 Output @ unity gain 8 Inputs and 1 Output @ unity gain	+0.5dB <0.01% @ 1kHz 0.03% 20Hz-20kHz <-94dB 22Hz-22kHz <-92dB 22Hz-22kHz unweighted <-88dB 22Hz-22kHz unweighted
Crosstalk	Channel to Channel @ 1kHz Group to Group @ 1kHz	-100dBu -90dBu	
Power Requirements	Voltage Consumption	110/120/220/240V 50/60Hz <45VA	
Terminations	Inputs Outputs Power	3 pin XLR 3 pin XLR 3 pin IEC	

OPTIONS

Transformer input/output balancing