

XL48

Digi-log Mic Pre



MIDAS XL48

8 Channel 96 kHz 24-bit Digi-log Mic Pre

At Last! Now everyone can benefit from having the world's best-loved live sound mic preamps at the top of their signal path.

The new MIDAS XL48 packs eight MIDAS XL4 mic pres into a 1U box, complete with swept high and low pass filters, eight MIDAS XL8 A-D converters and a super-low-jitter 1ppm clock.

Additional features include 8-segment LED input meters, individual phantom power, polarity invert, and -20 dB pad. All inputs on Neutrik XLR and 25-way D-sub.

The XL48 also features both analogue and digital outputs in ADAT and AES/EBU format.

All five outputs can be used simultaneously, making the XL48 a multi-function analogue/digital mic splitter as well as adding the MIDAS touch to 8 channels of your mix.

Multiple clocking options are available, including external wordclock, internal 96 kHz, 88.2 kHz, 48 kHz, 44.1 kHz.

Applications include portable recording rigs, analogue and/or digital splits between consoles, or pimping up an ordinary digital console with MIDAS mic pres and a reference-grade clock.

Overview

- 8 mic/line inputs featuring classic MIDAS XL4 mic pre amps
- Classic analogue MIDAS XL4 swept low and high pass filters
- Individual 48 V phantom power switching per channel
- Individual -20 dB pad switching per channel
- Individual polarity switching per channel
- High accuracy 8 segment LED meter per channel
- MIDAS XL8 ultra low latency 96 kHz 24-bit A-D converters
- Supports operation at 44.1 kHz, 48 kHz, 88.2 kHz and 96 kHz sampling frequencies
- Ultra low jitter reference-grade 1 part-per-million (1 ppm) temperature-compensated clock oscillator with external Word clock syncing options
- Parallel fully balanced XLR and 25W D-Sub input connections
- Driven and buffered fully balanced 25W D-Sub output connections
- Dual AES3 25W D-Sub output connector
- Dual TOSLINK optical output connectors

Technical Specifications

Audio Electronic Specifications

Maximum Input Level	Mic\Line	+11 dBu
	Mic\Line + Pad	+31 dBu
CMR at 1kHz (Typical)	Mic (gain + 40 dB)	> 80 dB
	Mic + Pad (gain + 40 dB)	> 70 dB
Noise	Mic EIN at 60 dB gain	-128 dBu
	Mic EIN at 40 dB gain	-125 dBu
	Output noise at minimum gain	-95 dBu
Frequency Response	20 Hz – 20 kHz	+0 dB to -1 dB
Distortion at 1 kHz	Input to output (0 dB)	0.03%
Crosstalk at 1 kHz	Channel to Channel	< -90 dB
Maximum Output Level	Line Outputs (into 600R)	+21 dBu
Digital Output	Sampling Frequency	96, 88.2, 48 or 44.1 kHz
	Bit Rate	24 Bit Only
	Dynamic Range (20 Hz-20 kHz)	>110 dB

Power Requirements

Voltage:	100 V a.c. to 240 V a.c. ±10%
Frequency:	50 Hz to 60 Hz
Consumption:	<25 W

Dimensions

Height:	44.5 mm (1.75")
Width:	483.0 mm (19.0")
Depth:	325 mm (12.8")

Weight

Net:	5.5 Kg
Shipping:	6.5 Kg



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