

## MICROPHONES - PREAMP

### MIDAS XL48 RACKMOUNT PREAMP



The Midas XL48 DIG-LOG Microphone Preamplifier is a combination of the best of both analogue and digital worlds. XL48 features eight classic XL4 series microphone preamplifiers in a 1U 19" rackmount enclosure with the acclaimed low latency 24 bit 96 kHz ADC converters with overload protection from the Midas XL8 Live Performance System, and a precision reference clock oscillator with 1 part-per-million (ppm) stability.

Additional features include swept high and low pass filters, 8 segment LED input meters, and individual phantom power, polarity invert, and -20 dB pad switches per channel. XL48 features both analogue outputs and digital outputs in ADAT optical and AES3 formats and all outputs can be used simultaneously, allowing the XL48 to be used as a multifunction analogue and/or digital microphone splitter. Multiple internal sample rates are supported, with the option to sync to external word clock.

XL48 is ideal for use in portable recording rigs, analogue and digital splits between consoles, or indeed augmenting the performance of other mixing consoles with its Midas XL4 microphone preamplifiers, XL8 analogue-to-digital conversion and precision reference-grade 1 ppm internal clock oscillator.

XL48 supports 24 bit audio operation at 44.1 kHz, 48 kHz, 88.2 kHz and 96 kHz from its internal precision "AES Grade 1" reference temperature-compensated clock oscillator with 1 part-per-million (ppm) stability. This highly accurate clock source can be used as the reference clock for digital audio systems, providing a very defined sound image free of jitter and other digital clocking error artefacts.

XL48 also supports the same sample rates when clocked from external word clock, and both word clock input and output are provided on 75 Ω BNC connectors.



#### Features:

- Mic pre-amps Eight premium Midas mic preamps
- Analogue and digital The XL48 combines both analogue and digital technologies.
- Filters Low and high pass filters
- Meters Eight-segment LED meters.
- A/D converters High quality A/D converters
- Inputs 8 balanced XLR inputs plus 8 'parallel' balanced inputs on a 25way, Dtype connector.
- Analogue outputs 8 balanced high quality driven analogue outputs on a 25way, Dtype connector.
- AES3 outputs Two sets of 8 AES3 outputs on a 25way, Dtype connector.
- ADAT Two sets of eight-channel ADAT output connections.
- Configuration Switch for setting both the clock frequency (44.1 kHz, 48 kHz, 88.2 kHz or 96 kHz) and the synchronisation (sync), which can be either internal or external.
- Word clock Word clock input/output BNC connectors.
- Operator interface Indication of sample frequency and external sync on the front panel. Channel functions Each channel has the

following:

- 48 V phantom voltage switch
- PAD switch (20 dB range)
- Ø switch (180° range)
- Mic gain, variable from +10 dB to +60 dB
- low pass filter, 12 dB/Octave slope continuously variable -3 dB point from 1 kHz to 40 kHz
- high pass filter, 12 dB/Octave slope continuously variable -3 dB point from 10 Hz to 400 Hz
- 8-segment LED meter



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