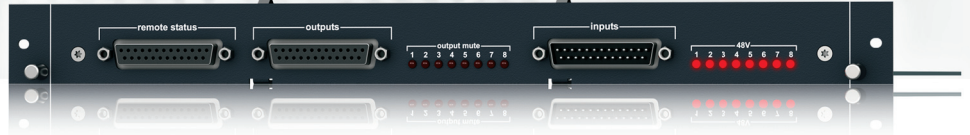


## I/O Interfaces

# PRO SERIES

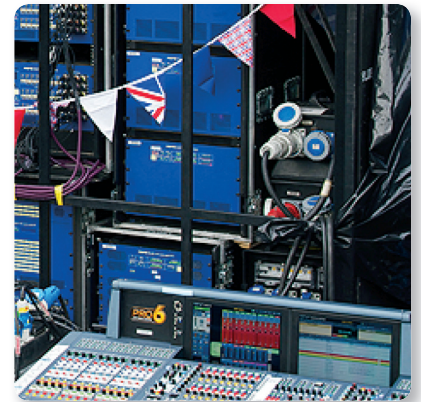
## DL444

Analogue 8 Input, 8 Output Card with MIDAS Microphone Preamplifiers and D-Type Connectors



- ⊗ Award-winning MIDAS microphone preamplifiers with switchable +48 V phantom power
- ⊗ Low latency 24 bit 96 kHz ADC and DAC converters
- ⊗ 8 inputs with selectable microphone or line level on a 25 way D-type connector
- ⊗ 8 electronically balanced line outputs on a 25 way D-type connector
- ⊗ High output current drive for long cable runs
- ⊗ +48 V and Output mute LEDs per channel with remote status monitoring 25 way D-type connector
- ⊗ Compatible with MIDAS PRO3, PRO6, PRO9, PRO X, DL351 and DL451
- ⊗ 3-Year Warranty Program\*
- ⊗ Designed and engineered in England

DL444 is a modular 8 channel analogue mic/line input and line level output card for MIDAS PRO Series control centres and modular I/O boxes, and features award-winning MIDAS microphone preamplifiers with switchable +48 V phantom power and servo-balanced electronic outputs with high current drive capability for long cable runs. Premium low latency 24 bit 96 kHz ADC and DAC converters are used to minimise distortion and noise artefacts, and DL444 features balanced inputs and outputs on 25 way D-type connectors, ideal for fixed installations where the input and output channel counts can be maximised. It also features an automatic output mute facility if the audio signal path is muted via the PRO Series control centre.



# PRO SERIES

## DL444

Analogue 8 Input, 8 Output Card with  
MIDAS Microphone Preamplifiers and  
D-Type Connectors



### Award-Winning MIDAS Microphone Preamplifier

The MIDAS microphone preamplifier is considered by leading live sound and recording engineers to be the very essence of the famous MIDAS sound. More than 40 years of design experience paired with the finest choice of premium-grade components lead to the acclaimed warmth and depth - bringing out subtle ambience, maintaining spatial positioning and more effectively capturing a precise sound image. The acclaimed sound of the award-winning MIDAS microphone preamplifier has inspired generations of live sound engineers to their best work, creating sonic panoramas that have captivated audiences worldwide.

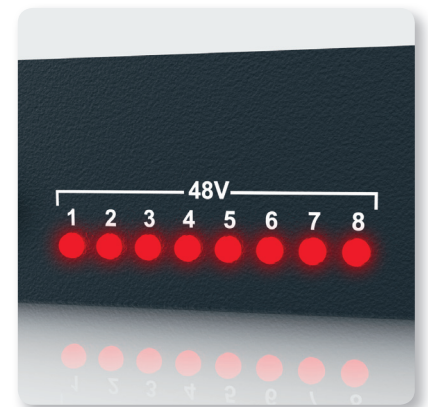
Since pristine sound always begins with the microphone preamplifier, the first point where the signal enters the console, DL444 features the latest generation of MIDAS microphone preamplifiers, which faithfully reproduce every sonic detail so no part of a performance will ever be missed. Transparent and pristine sound, low noise and high common-mode rejection are all hallmarks of this classic design.

Over the years many mix engineers have found this robust and overload-tolerant design takes on a whole new dimension of sound when driven hard, the crystal-clear audiophile reproduction giving way to just the right combination of harmonics, a warm and organic sound heard by millions of concert goers and recorded for posterity on countless live albums over the years.

### Status Indication

Each input channel on DL444 has an LED indicator for +48 V phantom power and each output channel has an LED indicator for the output mute status.

A 25 way D-type connector is provided to enable simultaneous remote monitoring of the input channel phantom power and output channel mute status.



I/O Interfaces

# PRO SERIES DL444

Analogue 8 Input, 8 Output Card with  
MIDAS Microphone Preamplifiers and  
D-Type Connectors



## PRO Series Compatibility

DL444 is compatible with the MIDAS PRO3, PRO6, PRO9 and PRO X Control Centres, and the DL351 and DL451 Modular I/O Stage Boxes.

## You Are Covered

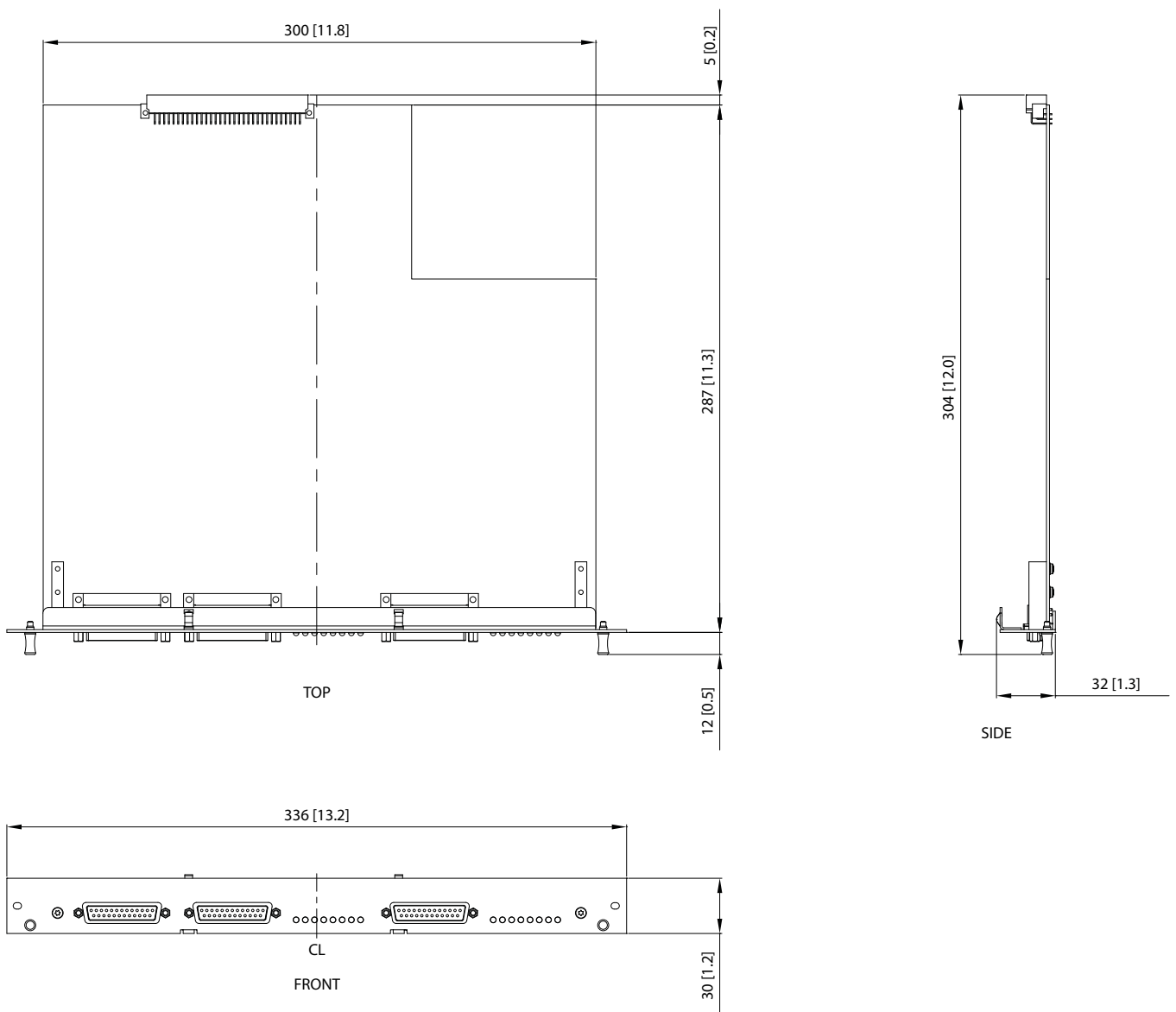
We always strive to provide the best possible Customer Experience. Our products are made in our own MUSIC Group factory using state-of-the-art automation, enhanced production workflows and quality assurance labs with the most sophisticated test equipment available in the world. As a result, we have one of the lowest product failure rates in the industry, and we confidently back it up with a generous 3-Year Warranty program.



# PRO SERIES DL444

Analogue 8 Input, 8 Output Card with  
MIDAS Microphone Preamplifiers and  
D-Type Connectors

## Dimensions



# PRO SERIES

## DL444

Analogue 8 Input, 8 Output Card with  
MIDAS Microphone Preamplifiers and  
D-Type Connectors

### Technical Specifications

Sample rate	96 kHz
Dynamic range	>110 dB unweighted (20 Hz - 20 kHz)
Maximum input level	Mic/Line (Unity Gain) +21 dBu Mic/Line (-2.5 dB Gain) +24 dBu
Maximum output level	+21 dBu
CMRR @ 1 kHz	Mic Input (Unity Gain) typically >70 dB Mic Input (45 dB Gain) typically >90 dB
Mic EIN (45 dB Gain)	-127 dBu
Noise (Unity gain)	<-89 dBu unweighted (20 Hz - 20 kHz)
Frequency response	$\pm 0.5$ dB (20 Hz - 20 kHz, relative to 1 kHz)
THD+N (Unity Gain)	<0.01%
Crosstalk @ 1 kHz	<-90 dB
Input impedance	10k ohms
Output impedance	50 ohms
Connectors	25 way D connectors Balanced
Phantom power	+48 V, individually switchable per channel

# PRO SERIES

## DL444

Analogue 8 Input, 8 Output Card with  
MIDAS Microphone Preamplifiers and  
D-Type Connectors

### Architecture and Engineering Specifications

The interface card shall be designed for digital audio mixing applications and be optimised for use in live performance.

The interface card shall feature 8 mic/line level inputs and 8 line level servo-balanced electronic outputs, with both input and output connections on balanced 25 way D-type connectors. Each input channel shall have one remotely-controlled variable gain microphone preamplifier with switchable +48 V phantom power.

The interface card shall provide analogue to digital and digital to analogue conversion with 24 bit resolution at 96 kHz sampling rate.

The interface card shall include an automatic output mute function if the audio signal path is muted via the control centre.

The interface card shall have LED indication for +48 V phantom power for each input channel and output mute status for each output channel. A 25 way D-type connector shall be provided to enable remote monitoring of the input channel phantom power and output channel mute status.

The interface card shall be compatible with MIDAS PRO3, PRO6, PRO9 and PRO X Control Centres and DL351 and DL451 Modular I/O Stage Boxes.

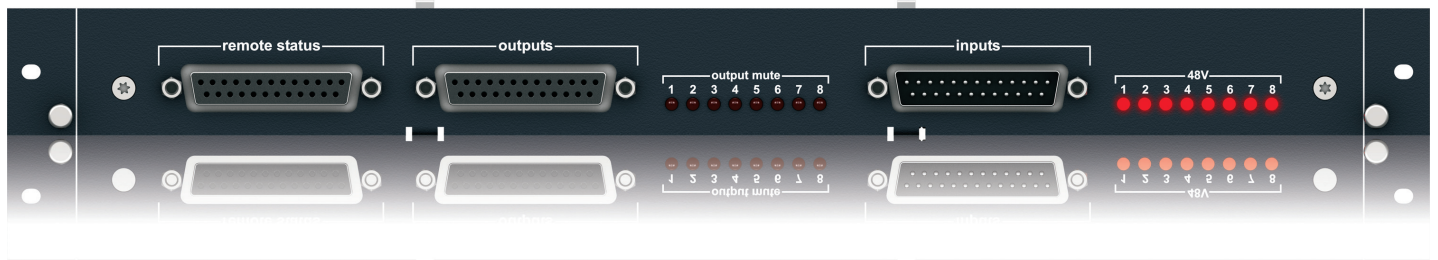
The interface card shall be 336 mm wide x 304 mm deep x 30 mm high (13.2" x 12.0" x 1.2"), with nominal weight 0.7 kg (1.5 lbs).

The interface card shall be the MIDAS DL444 and no other alternative shall be acceptable.

I/O Interfaces

# PRO SERIES DL444

Analogue 8 Input, 8 Output Card with  
MIDAS Microphone Preamplifiers and  
D-Type Connectors



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