

PRO SERIES

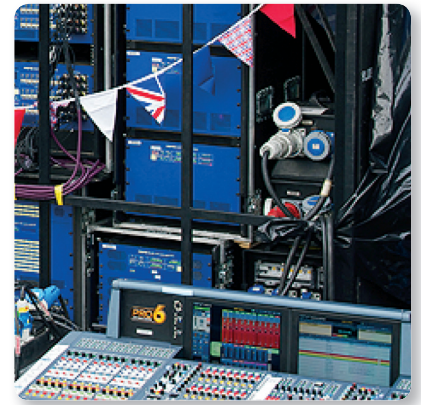
DL441

8 Analogue Mic/Line Input Card with
MIDAS Microphone Preamplifiers



- ⊗ Award-winning MIDAS microphone preamplifiers with switchable +48 V phantom power
- ⊗ 8 inputs with selectable microphone or line level on Neutrik* XLR connectors
- ⊗ Low latency 24 bit 96 kHz ADC converters with overload protection
- ⊗ +48 V and channel check LEDs per channel
- ⊗ Compatible with MIDAS PRO3, PRO6, PRO9, PRO X, DL351 and DL451
- ⊗ 3-Year Warranty Program**
- ⊗ Designed and engineered in England

DL441 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 DL441 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.



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**Warranty details can be found at music-group.com.

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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, DL441 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 DL441 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

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PRO Series Compatibility

DL441 is compatible with the MIDAS PRO3, PRO6, PRO9 and PRO X Control Centres, and the DL351 and DL451 Modular I/O Stage Boxes.



Built for the Road

DL441 is designed for the rigours of live concert touring. Premium Neutrik XLR connectors are used for reliable audio connections, night after night.

You Are Covered

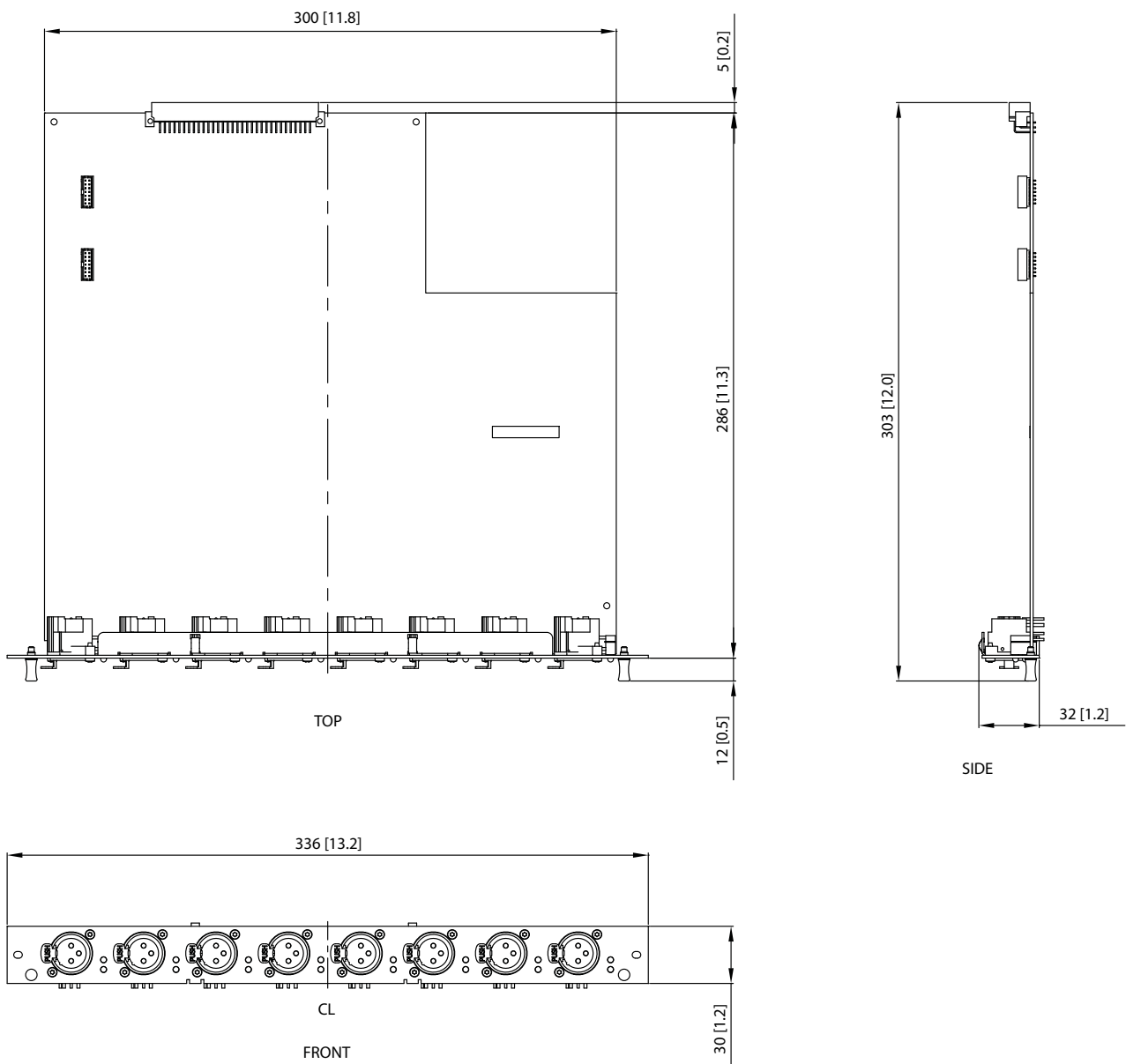
We always strive to provide the best possible Customer Experience. Our products are made in our own [MUSIC Group](#) factory using state-of-the-art automation, enhanced production workflows and quality assurance labs with the most sophisticated test equipment available in the world. As a result, we have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



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Dimensions



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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 (-5 dB Gain) +26 dBu
CMRR @ 1 kHz	Mic Input (Unity Gain) typically >70 dB Mic Input (40 dB Gain) typically >90 dB
Mic EIN (40 dB Gain)	-127 dBu
Noise (Unity gain)	<-89 dBu unweighted (20 Hz - 20 kHz)
Frequency response	± 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
Connectors	3-pin Female XLR Balanced
Phantom power	+48 V, individually switchable per channel

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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 input channels with one remotely-controlled variable gain microphone preamplifier with switchable +48 V phantom power for each input channel.

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

The interface card shall have LED indication for +48 V phantom power and a remotely set channel check function for each input channel.

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.

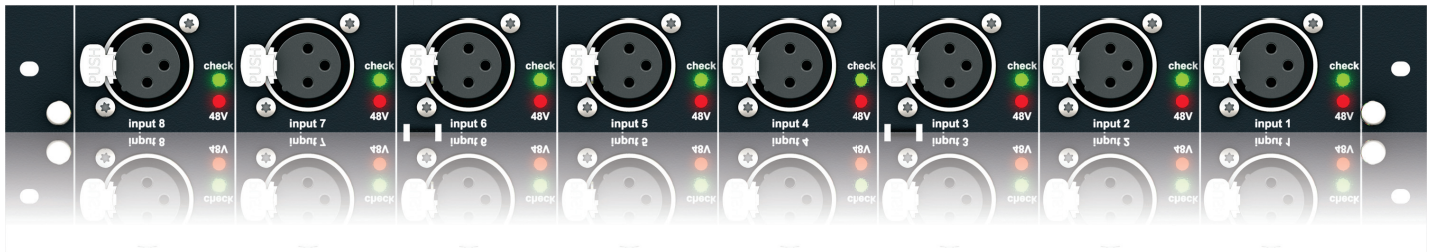
The interface card shall be 336 mm wide x 303 mm deep x 30 mm high (13.2" x 12.0" x 1.2"), with nominal weight 0.8 kg (1.8 lbs).

The interface card shall be the MIDAS DL441 and no other alternative shall be acceptable.

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For service, support or more information contact the MIDAS location nearest you:

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