

I/O Interfaces

PRO SERIES

DL151

24 Input Stage Box with
24 MIDAS Microphone Preamplifiers



- 24 award-winning MIDAS microphone preamplifiers with switchable +48 V phantom power
- Remote operation up to 100 m via CAT5/5e cable
- Selectable 96 kHz or 48 kHz sample rate operation
- All settings programmable from front panel controls or console
- PSU status indicator LEDs and configuration LCD display on front panel
- Supports dual redundant AES50 networks
- Features Neutrik etherCON* AES50 network ports
- Rugged 2U rackmount chassis for durability in portable applications
- Auto-ranging universal switch-mode power supply
- 10-Year Warranty Program*
- Designed and engineered in the U.K.

DL151 is a 2U 19" fixed-configuration rack I/O unit with 24 mic/line level inputs and delivers legendary MIDAS sound quality utilising our time-tested and road-proven technologies. Featuring award-winning MIDAS microphone preamplifiers with 2.5 dB analogue gain steps and two AES50 network ports providing dual redundancy, the DL151 is the ideal partner to all MIDAS PRO and M32 Series digital consoles, enabling a digital snake connection from Front of House to stage.



*All third-party trademarks are the property of their respective owners. Their use neither constitutes a claim of the trademark nor affiliation of the trademark owners with MUSIC Tribe. Product names are mentioned solely as a reference for compatibility, effects and/or components. Warranty details can be found at musictribe.be.

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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, DL151 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.

Digital Audio Networking

SuperMAC (AES50-Compliant) digital audio networking technology from **KLARK TEKNIK** simultaneously provides high channel counts, ultra low and deterministic latencies, sample-synchronous and phase-aligned networked clock distribution, error detection and correction, network redundancy, and ease of deployment and use – to meet the demanding requirements of live concert touring.

DL151 is compatible with all **MIDAS** digital consoles and audio system engines, as well as with any other AES50-equipped devices.



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96 kHz or 48 kHz Operation

DL151 supports multiple sample rates for the AES50 connections - 96 kHz for use with [MIDAS PRO Series](#), and 48 kHz for use with [MIDAS M32 Series](#).

Remote Console or Front Panel Control

All configuration settings for DL151 can be set either remotely from the mixing console, or directly via the intuitive and easy to understand front panel. DL151 features a front panel LCD display with intuitive menu navigation for all configuration options with LED status indicators, which provide clear feedback of operational status over wide viewing angles and distances. Clear indication is provided showing power supply output rail condition and AES50 and Ethernet network connection status and activity.



Built for the Road

Featuring a rugged steel 2U rackmount enclosure, the DL151 is designed for the rigours of live concert touring. Premium Neutrik connectors are used for reliable audio and network connections, night after night.

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Auto-Ranging Universal Switch-Mode Power Supply

DL151 features a universal power supply, which is auto-voltage sensing for use on a worldwide basis.



You Are Covered

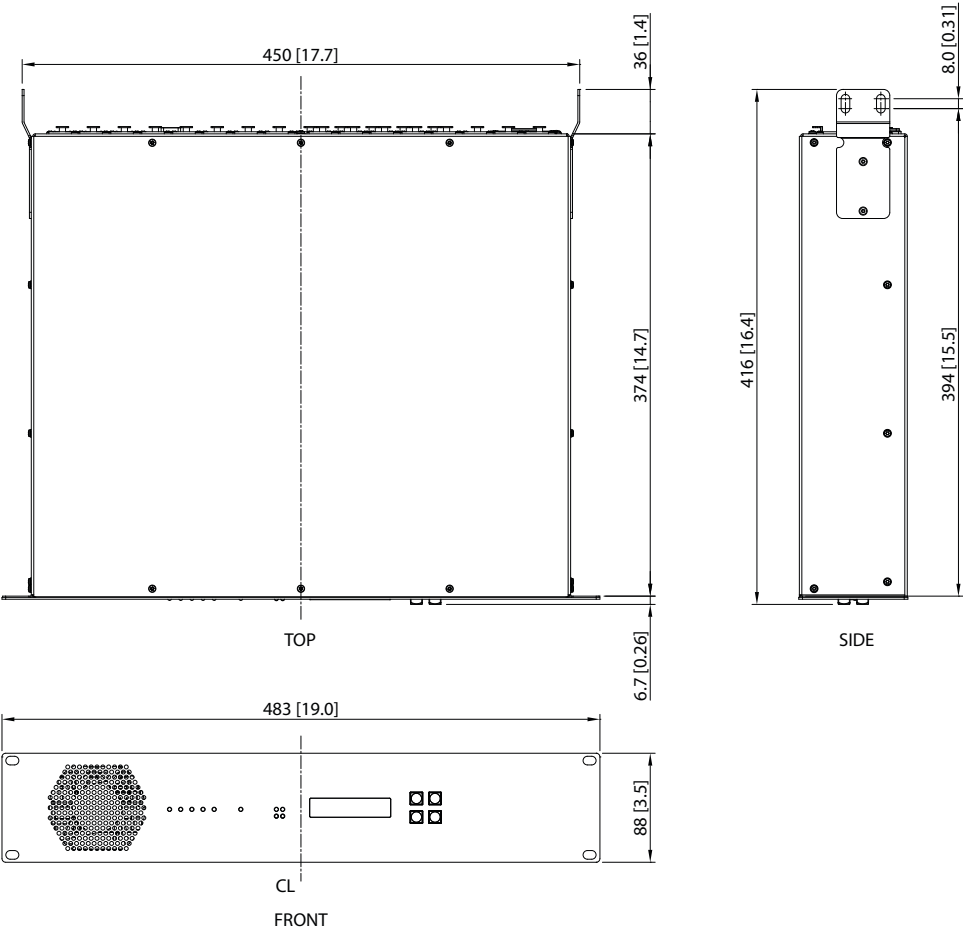
We always strive to provide the best possible Customer Experience. Our products are made in our own [MUSIC Tribe](#) factory using state-of-the-art automation, enhanced production workflows and quality assurance labs with the most sophisticated test equipment available in the world. As a result, we have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

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Dimensions



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Technical Specifications

General Specifications

| | |
|-------------------------|--|
| Sample Rate | 48 kHz, 96 kHz |
| Dynamic Range | >107 dB unweighted (20 Hz - 20 kHz) |
| Maximum Input Level | |
| Mic/Line (Unity Gain) | +21 dBu |
| Mic/Line (-2.5 dB Gain) | +24 dBu |
| CMRR @ 1 kHz | |
| Mic Input (Unity Gain) | >60 dB |
| Mic Input (40 dB Gain) | >90 dB |
| Mic EIN (40 dB Gain) | -126 dBu |
| Frequency Response | ± 0.5 dB (20 Hz - 20 kHz, relative to 1 kHz) |
| THD+N (Unity Gain) | <0.01% |
| Crosstalk @ 1 kHz | <-90 dB |

System Inputs and Outputs

| | |
|-----------------|--------------------|
| Analogue Inputs | 24 |
| Type | Mic/Line Level |
| Connector | 3-pin XLR Balanced |
| Input Impedance | 10k ohms |

| | |
|-----------------------------|--|
| A/D Conversion | 24 bit, 96 kHz with 128 times oversampling |
| Phantom Power | +48V, individually switchable per channel |
| Network Connections | 2 |
| Connector | Neutrik etherCON with status LEDs |
| Redundancy | Dual cable redundancy |
| Network Interface | Conforms to AES50-2011 |
| Ethernet Control Port | 1 |
| Connector | Neutrik etherCON with status LEDs |
| Power | 1 |
| Connector | IEC mains inlet |
| Mains Input Voltage | 100 to 240 VAC, 50-60 Hz |
| Power Consumption | <150 W |
| Dimensions | 483 x 416 x 88 mm (19.0 x 16.4 x 3.5") |
| Net Weight | 6.9 kg (15.2 lbs) |
| Operating Temperature Range | +5°C to +45°C |
| Storage Temperature Range | -20°C to +60°C |

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Architecture & Engineering Specifications

The interface unit shall be designed for digital audio mixing applications and be optimised for use in live performance. It shall feature 24 integrated microphone preamplifier inputs with 2.5 dB analogue gain steps on industry-standard XLR connectors and shall be capable of operating at 48 kHz and 96 kHz sampling rates.

The interface unit shall have LED indication for +48V phantom power for each input channel connector.

The interface unit shall support a 100 Megabit Ethernet frame-based digital audio network that shall offer dual cable redundancy and be compliant with the Audio Engineering Society AES50-2011 standard. Two digital audio network ports and one Ethernet control port shall be provided.

The interface unit shall provide both front panel and remote network configuration of operational settings and provide an alphanumeric LCD display with associated menu navigation buttons, and LED status indication of power supply output rail condition and digital audio and control network connection status and activity.

The interface unit shall include an auto-ranging universal switch-mode power supply for use on a worldwide basis.

The interface unit shall be housed in a standard 2U 19" rackmount chassis, and shall be 483 mm wide x 416 mm deep x 88 mm high (19.0" x 16.4" x 3.5"), with nominal weight 6.9 kg (15.2 lbs). The interface unit shall be installed in a rack frame or road case capable of safely supporting its weight. Input, output, and power connections shall be made at the rear panel of the interface unit. Installers shall allow adequate space at the rear for connection and disconnection of input, output, and power connections. The power requirements shall be 100 to 240 VAC, 50 to 60 Hz.

The interface unit shall be the [MIDAS DL151](#) and no other alternative shall be acceptable.

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

Europe
MUSIC Tribe Brands UK Ltd.
Tel: +44156 273 2290
Email: CARECrea@music-group.com
CAREEnte@music-group.com
CARELife@music-group.com

USA/Canada
MUSIC Tribe Commercial NV Inc.
Tel: +1 702 800 8290
Email: CARECrea@music-group.com
CAREEnte@music-group.com
CARELife@music-group.com

Japan
MUSIC Tribe Services JP K.K.
Tel: +81 3 6231 0453
Email: CARECrea@music-group.com
CAREEnte@music-group.com
CARELife@music-group.com

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MIDAS