

I/O Interfaces

PRO SERIES DL152

24 Output Stage Box



- ⊗ 24 electronically balanced low impedance line level outputs
- ⊗ 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
- ⊗ 3-Year Warranty Program*
- ⊗ Designed and engineered in England

DL152 is a 2U 19" fixed-configuration rack I/O unit with 24 line level outputs and delivers legendary MIDAS sound quality utilising our time-tested and road-proven technologies. Featuring two AES50 network ports providing dual redundancy, the DL152 is the ideal partner to all MIDAS PRO and M32 Series digital consoles, enabling a digital snake connection from Front of House to stage.



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.

DL152 is compatible with all MIDAS digital consoles and audio system engines, as well as with any other AES50-equipped devices.

*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 Group. Product names are mentioned solely as a reference for compatibility, effects and/or components. Warranty details can be found at music-group.com.

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High Output Drive Line Outputs with Mute

DL152 features 24 active servo-balanced low impedance line level outputs with high output current capability for driving long cable runs.

The outputs feature an automatic mute facility if the audio signal path is muted by the mixing console operator, and individual LED indicators are provided for each output connector.



96 kHz or 48 kHz Operation

DL152 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 DL152 can be set either remotely from the mixing console, or directly via the intuitive and easy to understand front panel. DL152 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.



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Built for the Road

Featuring a rugged steel 2U rackmount enclosure, the DL152 is designed for the rigours of live concert touring. Premium Neutrik connectors are used for reliable audio and network connections, night after night.

Auto-Ranging Universal Switch-Mode Power Supply

DL152 features a universal power supply, which is auto-voltage sensing for use on a worldwide basis.



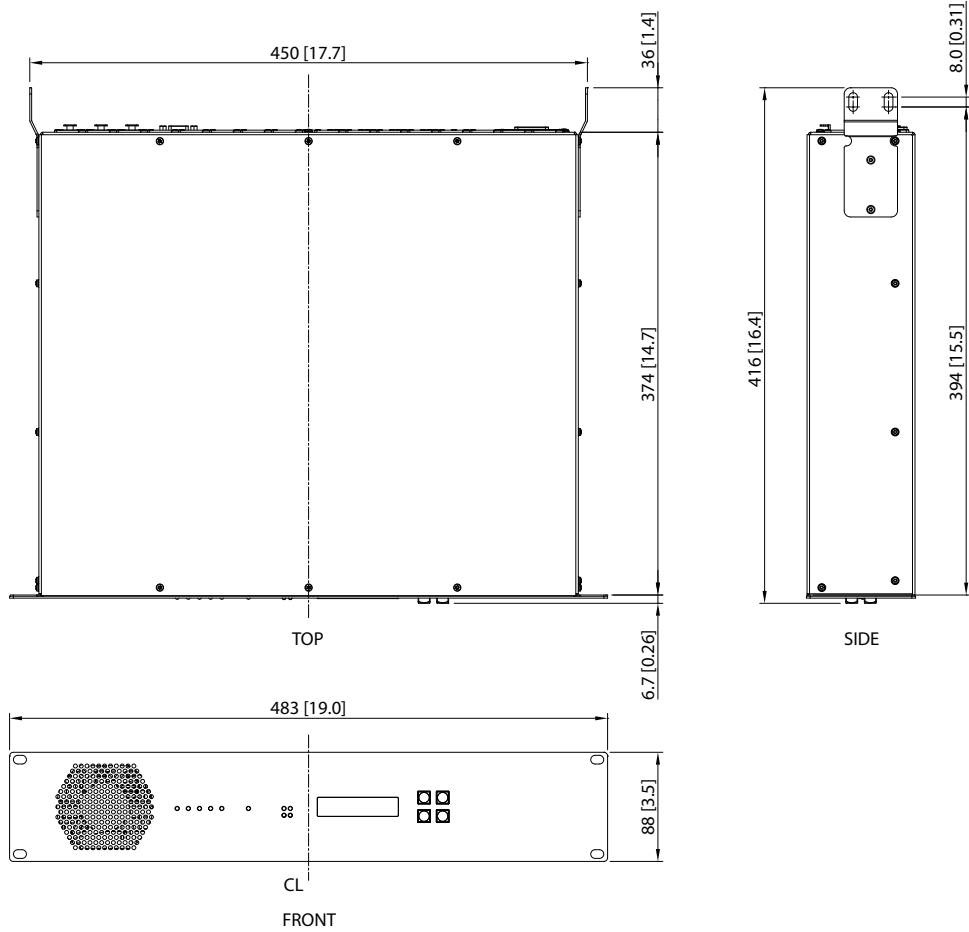
You Are Covered

We always strive to provide the best possible Customer Experience. Our products are made in our own MUSIC 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

General Specifications

Sample Rate	48 kHz, 96 kHz
Dynamic Range	>107 dB unweighted (20 Hz - 20 kHz)
Maximum Output Level	+21 dBu into 600 ohms
Output Noise (Unity Gain)	-86 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 Outputs	24
Type	Line Level
Connector	3-pin XLR Balanced
Output Impedance	50 ohms
D/A Conversion	24 bit, 96 kHz with 128 times oversampling

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 servo-balanced electronic outputs on industry-standard XLR connectors and shall be capable of operating at 48 kHz and 96 kHz sampling rates.

The interface unit shall include an automatic output mute function if the audio signal path is muted via the control centre and shall have LED indication for output mute for each output 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 376 mm deep x 88 mm high (19.0" x 14.8" 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 DL152](#) 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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