



**Configuration:**

D14-2 D Series MultiLoop Driver (14 Amps x 2)

**Product Overview:**

The D14-2 (D Series) represents the global benchmark for digital audio induction loop systems. The compact, elegant and sturdy units not only feature digital signal processing and networking functionality, but are also the most versatile and powerful solution available.

The D14-2 hearing loop amplifier is a 14 Amp dual output class ‘D’ driver; meaning a 60%+ increase in energy efficiency over existing solutions. Both drivers feature capacitive touch front panels with intuitive menus, built in test signals, and are fully networkable with a Wi-Fi accessible standard browser based control panel for remote set-up, monitoring and email alerts.

The D14-2 features 14 Amps per loop output plus ample voltage headroom, making it the most flexible solution on the market, suitable for a huge range of applications. The added power of the D14-2 provides a solution for installations in environments containing very high levels of metal, previously not possible without the use of combiners.

In another first for high-power Class D Induction Loop drivers, installation can be performed with total confidence, as unique multi-stage filtering ensures compatibility with both other system equipment and global EMC regulations. The D Series also boasts Dual slope Metal Loss Control that caters for a wide range of metal loss frequency characteristics.

**Highlights:**

- Drives 2 output channels at 14A<sub>RMS</sub> each, featuring accurate and stable 90° phase shift
- Networkable with remote browser interface
- Digital display & intuitive ‘touch’ menu system
- 3 modes; Main, Status & Quick
- Highly energy efficient Class-D amplifier with low heat dissipation
- Up to 2 x 1,300m<sup>2</sup> Perimeter Loops area coverage
- Up to 3,300m<sup>2</sup> MultiLoop™ Low Loss area coverage
- Compact 1U rack mount unit with internal transformer for simple rack installation
- Optimised for speech frequencies with unmatched intelligibility & capable of high quality musical reproduction
- AGC & Dual Slope MLC
- Active status monitoring & remote fault reporting via email
- Data compliant with: IEC 62489-1 Standard

**Includes:**

- One (1) D14-2 D Series Networkable MultiLoop™ Driver (14 Amps x 2)
- One (1) 1U 19” Rack Mount (brackets included)
- One (1) Handbook and installation instructions
- One (1) T-Coil Loop System present Sign (deaf logo)
- Two (2) Neutrik NL4 output connectors for each output
- One (1) Region specific IEC power cable
- One (1) Status and DC Connectors

Product Specification: D Series MultiLoop™ Driver (14 Amps x 2)	
Audio	
Frequency Response	80 Hz to 6.3 kHz ±3 dB
Distortion	THD+N < 0.2 %, 1 kHz sine wave at full current

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AGC	Optimized for Speech, Dynamic Range > 36 dB
Metal Loss Correction	Corrects system frequency response due to metal structures in a building. Gain constant at 1kHz, adjustable gain slope from 0 to 4dB per octave in 0.25dB increments. Custom 2 slope MLC allows different slopes and transition frequency to be set via the menu. This does not compensate for signal loss from metal structures which can be significant.
Phase Shift	User selectable at 0° or 90° between outputs
<b>Interconnections</b>	
Slave I/O	6.35mm jack socket for linking more than one amplifier. Inserting plug disables other inputs
Loop Connector/s	Channels A / B, Neutrik NL4 Speakon, Drive Current: 14 A (RMS), 19.8 A (Peak) up to 60 seconds continuous 1 kHz sine wave, peak > 19.8 A per channel, Cont. pink noise 6.6 (RMS), short term peaks > 20 A per channel, Drive Voltage: 33.9 V (RMS), 45 V (Peak) at maximum output current per channel
Loop Monitor Connection	Provides access to monitor actual loop current via a 3.5mm stereo headphone connector on front panel Channel A on left, channel B on right
Input 1	XLR balanced inputs, switchable between microphone and line via panel menu: Microphone specification; 200 - 600 Ω, sensitivity -64 dBu. Selectable 12 V phantom power on microphone only. Line sensitivity; -39 dBu, Input Impedance = 17kΩ
Input 2	XLR balanced inputs, switchable between microphone, line and AES via panel menu: Microphone specification; 200 - 600 Ω, sensitivity -64 dBu. Selectable 12 V phantom power on microphone only. Line sensitivity; -39 dBu, Input Impedance = 17kΩ
DC Output	Resettable, fuse protected 12V 0.1A. Operation can be configured via menu.
<b>Loop</b>	
Loss Control Phased Array - Coverage	No Metal (0dB): 3,300 m <sup>2</sup> (35,520 sq. ft.) Moderate Metal Loss (-5dB): 925 m <sup>2</sup> (9,956 sq. ft.) High Metal Loss (-10dB): 400 m <sup>2</sup> (4,305 sq. ft.) Severe Metal Loss (-15dB): 180 m <sup>2</sup> (1,937 sq. ft.)
Low Spill Phased Array - Coverage	No Metal (0dB): 1,225 m <sup>2</sup> (13,185 sq. ft.) Moderate Metal Loss (-5dB): 700 m <sup>2</sup> (7,535 sq. ft.) High Metal Loss (-10dB): 340 m <sup>2</sup> (3,659 sq. ft.) Severe Metal Loss (-15dB): 120 m <sup>2</sup> (1,291 sq. ft.)
Perimeter Loop - Coverage	No Metal (0dB): 1:1 Aspect Ratio 2 x 1,300 m <sup>2</sup> (13,993 sq. ft.), 3:1 Aspect Ratio 2 x 1,145 m <sup>2</sup> (15,607 sq. ft.)
<b>Power</b>	
Power	120 VAC, 160 W, 45 - 65 Hz, Power Switch on front panel
<b>Physical</b>	
Mounting	Freestanding or 1U 19" rack mount (brackets included)
Dimensions (H x W x D)	44 x 430 x 290 mm (1.74 x 16.93 x 11.42 in.)
Weight	6.9 kg (15.3 lbs.)
Shipping Weight	8.26 kg (18.3 lbs.)
<b>Environmental</b>	
Temperature - Operation	0 C (32 F) to 35 C (95 F)
Relative Humidity	20 to 90% Relative Humidity
Standards	IP20 Rated
<b>Compliance</b>	

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Marks and Approvals

CE and ETL Listed