

DIO 04

4 OUTPUT DANTE® INTERFACE

FEATURES

- Four output Dante® interface
- Connect Dante® to line level audio equipment
- Terminal blocks for all analogue connections
- Signal indicators on each channel
- Use PoE or an external power supply
- Use as a PoE injector to power another networked device
- Daisy-chain Dante® devices together

DESCRIPTION

Part of the TICA® series, the DIO 04 is a four output Dante® interface that delivers the capabilities that audio and AV professionals really need. Equipped with four balanced outputs to connect to any analogue audio device such as power amplifiers. Signal presence lights on each channel speed installation and fault-finding.

Power from any PoE+ network switch or use the optional, external power supply. Since it comes with two Dante® networked ports, you can daisy chain devices together. It also works as a PoE+ injector: if you use the external power supply, you can power one further networked device in the chain.

Its tiny form factor (142 x 53 x 221mm) and included mounting plates allow it to be installed discreetly behind screens or under tables. Alternatively, it fits into 1/3 19 inch rack. Use the optional rack tray to slot up to three TICA® series products alongside each other and build a system to your exact requirements, using minimal rack space.

Terminal block connections on the analogue outputs make wiring easy.

The perfect solution for professional installers wanting to interface into Dante® equipment.

Dante® Domain Manager and AES 67 compliant.

SPECIFICATIONS

Product number	LDDIO04
General	
Product type	0x 4 I/O Dante® Interface
Inputs	0
Input type	Switchable Balanced mic or line level
Line outputs	4
Output type	Balanced line level with auto mute relay on loss of Dante®/AES67 signal
Cooling	Convection
Analogue line outputs	
Number of output connectors	4
Connector	3-pin terminal block (3.81 mm)
Max. output level	18 dBu
Intermodulation Distortion (SMPTE)	< 0.005 % (-20 dBFS to 0 dBFS)
THD + N	< 0.002% (10 dBu, 20 kHz BW)
Idle Noise	> -92 dBu
Dynamic Range	> 103 dB (0dBFS, AES 17, CCIR-2k Weighting)
Frequency range	15 Hz - 20 kHz (-0.5 dB)



Product number	LDDIO04
Dante™ Specifications	
Audio Channels	4 outputs
Bit depth AD/DA converter	24 bit
Sampling frequency	48 kHz
System Latency	Minimum 1 ms
Connector DANTE®	100 BASE-T RJ45
PoE (Power over Ethernet)	
Minimum PoE Requirements	PoE+ IEEE 802.3at
PSE+ Data	Capable of powering 1 extra PD unit
Power Supply	
Input voltage	24 V DC
Minimum Current	1.5 A
Power connector	Pitch 5.08 mm terminal block (2-pin)
Max. Power consumption	10 W
Idle power consumption	7.5 W (no signal input)
Power Consumption with Secondary Port	22 W
Mains Inrush Current	1.7A @ 230V AC
Operating temperature (non-condensing)	0°C - 40°C; < 85% humidity
General data	
Material	Plastic Front panel, Steel chassis
Dimensions (W x H x D)	142 mm x 53 mm x 222 mm (height with rubber feet)
Weight	1.01 kg
Accessories (included)	Mounting plates for surface mount applications, rubber feet, Terminal blocks for electrical connections

ARCHITECT & ENGINEER'S SPECIFICATIONS

This four-output Dante® interface shall have the capability to convert up to four Dante® signals from a network into four analog line-level outputs (maximum +18 dBu). Each output shall have a signal presence indicator on the front panel, which shall illuminate white when a signal is present and turn red if distortion is detected. Outputs shall be provided on three-pin terminal blocks.

The unit shall be powered via a PoE+ switch port or an optional 24 VDC, 1.5 A external power supply. When using an external power supply, PoE+ power shall be supplied to an additional device through the network daisy-chain output.

The interface shall measure 142 x 53 x 221.7 mm (W x H x D) with the supplied rubber feet attached. Mounting plates shall be included for installation under a table or behind a screen. An optional rack tray shall be available, allowing up to three units to be mounted side by side in a 19" rack.

This interface shall be convection cooled.

The interface shall be compliant with Dante Domain Manager & AES67 standards.

This four-output Dante® interface shall be an LD Systems DIO 04.

TECHNICAL DRAWINGS

Scale 1:2

