

DSP44IO-D

Dante Network Audio Interface Device

VAL audio

Die Liebe zur Musik



OVERVIEW

Introducing the DSP44IO-D: A cutting-edge 4-input, 4-output Dante network audio interface device. Engineered to adhere strictly to the industry-leading Dante network audio standard, it effortlessly satisfies the exacting requirements of professional audio signal transmission. Boasting support for 4-channel microphone/line analog audio input and 4-channel balanced analog signal output, this device seamlessly integrates into any audio setup. Each input channel is equipped with its own independent 48V phantom power and Gain control, ensuring precise and tailored audio management for every application.

Effortlessly upgrade your audio installation into Dante network enabled using the DSP44IO-D.

APPLICATIONS

The VAL DSP44IO-D is ideally suited for use in Stadiums, airports, conference systems, stage performances, broadcasting stations etc.

KEY FEATURES

- Four MIC/LINE inputs & four LINE outputs. Versatile inputs & outputs to accommodate various audio sources.
- High-performance ADC PCM4204, delivering an impressive 118dB dynamic range.
- 48V Phantom power support, empowering condenser microphones for superior audio capture.
- DAC PCM4104, offering exceptional 118dB dynamic range for pristine output.
- Microphone gain control (0 ~ 40dB), fine-tune input levels for optimal sound.
- Power over Ethernet (PoE) compatibility, streamlining power delivery for seamless operation.
- Standard Dante transceiver compatibility, ensuring interoperability with industry-standard setups.
- Front panel gain adjustment. Conveniently tweak input levels on-the-fly.
- Front panel LED Network status display. Instant visual feedback for network connectivity.
- Front panel 48V switch. Easily toggle phantom power settings.
- Red error Indicator. Quick identification of errors for prompt troubleshooting.
- External 15V power supply support, providing flexibility for various power configurations.

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SPECIFICATIONS

Audio Input	4-Way Balanced Line Level, Phoenix Plug
Nominal Input	Level 0 dBu Line or -40 dBu MIC level
Mic Preamplification Gain	0~40 dBu
Max Input Level	+18dBu
Input Impedance	>5 k Ω balance, >3k Ω unbalance
CMRR	>75dB @ 1 kHz 20dBu
Preamplified equivalent input noise (EIN)	<-125 dBu, 22Hz - 20kHz
Phantom Power	+48 VDC
Audio output	4-Way Balanced Line Level, Phoenix Plug
Nominal Output Level	0 dBu Line Level
Output impedance	600 Ω Balance
Sampling rate	48 kHz, 24Bit ADC, 24Bit DAC
Frequency response	20 Hz - 20 kHz, +/- 0.5 dB
Dynamic range	118 dB ADC, 118dB DAC
Harmonic distortion	<0.005%~20Hz~20kHz@+4dBu
Dimension (WxDxH)	200mm x 156mm x 44.5mm
Power	POE 15W (IEEE802.3at), External 15V 2A
Working environment	0~40°C
Net Weight	1.1 Kg