

unDIO2x2

DANTE 2IN/2OUT I/O INTERFACE

The unDIO2x2 I/O Interface is a 2in/2out, cost-effective way to add up to two channels (in and out) of Dante audio to an existing Dante-based networked audio system. The unDIO2x2's small form factor and PoE power capability make it easy to put Dante connectivity wherever it's needed - near the audio source or sink thereby eliminating costly and interference prone analog wiring.



FEATURES AND BENEFITS

- Small form factor, can be unobtrusively located near analog sources or sinks
- Dual power (DC or PoE) means the unDIO2x2 will work in systems with either standard or PoE Ethernet switches
- Three input gains accommodate common line levels, phantom power and dynamic mics
- +24V Phantom power per channel - powers virtually all types of phantom powered microphones typically used in installed AV systems
- Two analog output gains to accommodate both consumer and pro line level requirements without overload

APPLICATIONS

- Addition of microphones or other sources where analog cabling would be expensive or is not available back to a central rack
- Network enable analog input power amplifiers or powered speakers
- Multi-point network audio distribution

ABOUT ATTERO TECH

Atterotech is a leading provider of both Dante and CobraNet® audio interfaces. These innovative networked audio products make it cost effective for audio installations to include high performance networking. Atterotech is headquartered in Fort Wayne, Indiana. Contact us at:

260.496.9668

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unDIO2x2 Rear Panel Connections

DC Power Input - +12VDC @ 500mA. No DC power is required if the DIO2x2 is used with a PoE Ethernet switch.

Dante/PoE Network Connection - 100 Base-T Dante Ethernet network connection.

Balanced Mic/Line Inputs - RF protected balanced mic/line input. +24V Phantom (switchable via software individually for each channel). Gains of 0dB, +25dB, and +40dB are available (switchable via software individually for each channel).

Balanced Line Outputs - Low impedance (200 ohms balanced, 100 ohms unbalanced) balanced analog outputs. Analog output gains of 0dB and +10dB are available (switchable via software individually for each channel).

SPECIFICATIONS

Mic/Line Input Type: Balanced and RF filtered 3-pin deplug-gable

Phantom Power: +24V, software selectable

Mic/Line Gain: 0dB, +25dB, +40dB, software selectable

Input Impedance: >1.8K ohms at any gain setting

Equivalent Input Noise: -115dBu (+40dB gain)

Maximum Input Levels: +12dBu @ 0dB gain, -13dBu @ +25dB gain, -29dBu @ +40dB gain

Output Type: Balanced line level with automatic muting on loss of Dante signal

Output Gain: 0dB or +10dB, software selectable

Output Noise: <-90dBu @ 0dB gain

Maximum Output Level: +9dBu (@ 0dB output gain)

System THD: <.01% at any gain, input signal 3dB below maximum

PoE Class: Class 0 802.3af PoE PD compliant

Certifications: FCC Part 15 Class A, CE (EN 55022 Class A)

Dimensions: 1.06”H x 6.45”W x 3.45”D

Operating Temperature: 0 °C - 40 °C

ARCHITECTS & ENGINEERS SPECS

The Dante Break Out Interface shall have two balanced mic/line analog inputs and two balanced line analog outputs. Each analog input shall be capable of driving a Dante audio flow, and each analog output shall be capable of being driven from a Dante audio flow.

Each input channel shall have +24V Phantom power, selectable via software on a per channel basis. Each input channel shall have three gain levels - 0dB, +25dB, and +40dB, selectable via software on a per channel basis.

Each output channel shall have two gain levels - 0dB and +10dB, selectable via software on a per channel basis.

All parameter changes will be non-volatile and self-restoring in the event of AC or PoE power interruption.

The unit shall accept either +12VDC or IEEE 802.3af standard-PoE as power input. The unit shall be compliant with FCC Part 15, CE, RoHS requirements.

The unit shall be the Atterotech unDIO2x2 I/O Interface