

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 any 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. The unDIO2x2+ is an upgrade of the earlier unDIO2x2, and adds several features including true +48V phantom power, maximum input and output levels of +20dBu, added input gain settings, and full output level control.



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
- Five input gains to accommodate common line levels, phantom power and dynamic mics
- +48V phantom power per channel - powers virtually all types of phantom powered microphones typically used in installed AV systems
- Analog output gains software adjustable between 0dB and -60dB plus mute to accommodate all types of line input audio equipment—both consumer and pro levels
- Industry standard +20dBu maximum input levels (at 0dB input gain) and +20dBu maximum output levels
- Full Dante system status LEDs on the front panel

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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

Attero Tech is a leading provider of networked audio and connectivity interfaces. These innovative products make it cost effective for audio installations to include high performance connectivity. Attero Tech is headquartered in Fort Wayne, Indiana USA - where all of our products are designed and built. Contact us at:

unDIO2X2+ Front and Rear Panels



SPECIFICATIONS

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

Phantom Power: +48V, software selectable

Mic/Line Gain: -12dB (pad active), 0dB, +15dB, +30dB, +45dB, software selectable

Input Impedance: >1.8K ohms at any gain setting

Equivalent Input Noise: -119dBu (+45dB gain)

Maximum Input Levels: +20dBu @ 0dB gain (with pad active), +8dBu @ 0dB, -7dBu @ +15dB gain, -22dBu @ +30dB gain, -37dBu @ +45dB gain

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

Output Gain: 0dB to -60dB plus mute, software selectable

Output Noise: <-85dBu @ 0dB gain

Maximum Output Level: +20dBu (@ 0dB output gain)

System THD: <.05% at any gain, input signal 3dB below maximum

PoE Class: Class 0 802.3af PoE PD compliant

Certifications: FCC 47CFR Parts 15B and 18 (Class A), EN 55011, ICES-003, CE (EN55022 Class A and EN55024 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 +48V phantom power, selectable via software on a per channel basis. Each input channel shall have five gain levels: -12dB (pad active), 0dB, +15dB, +30dB and +45dB, selectable via software on a per channel basis.

Each output channel shall have adjustable gain between 0dB and -60dB plus mute in 1dB increments, 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 +24VDC 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 Attero Tech unDIO2x2+ I/O Interface