

unD6IO

DANTE INWALL I/O INTERFACE

Preliminary Brief - Available Q2 2016

The unD6IO Dante™ Audio Interface is a cost effective multi-I/O wall box. The unD6IO features two balanced mic/line XLR inputs, and two balanced outputs on side panel de-pluggable connectors. Two RCA line level inputs and a 3.5mm TRS line level input complete the available inputs. A 3.5mm TRS line level output is also included. The unD6IO is designed to fit into most dual gang US junction boxes and is PoE enabled, so all connectivity (power, control and audio data) is provided by a single CAT-5e/6 cable. The unD6IO's size and I/O density 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

- 2 balanced XLR mic/line inputs, 2 RCA and one 3.5mm input
- 1 3.5mm output, and two balanced outputs on a side-mounted depluggable connector, with software controlled volume
- 802.3af compliant PoE powered to work with any compliant PoE network switch
- 3 gain levels are available on the XLR input to accommodate a wide variety of input levels and devices. Input gain is adjustable via software
- +48V Phantom power - powers virtually all types of phantom powered microphones typically used in installed AV systems. Phantom power is switchable via software
- ID LED allows easy identification of the unD6IO with which Attero Tech's Unify software is communicating
- RCA inputs and 3.5mm input (carried as stereo) can be selected via software, individually or in combination, as an audio flow (see Audio Flow diagram)

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APPLICATIONS

Convenient, wall mounted mic/line I/O drops for:

- Hotel ballrooms
- Conference/meeting centers
- Conference rooms
- Sports, spa and fitness facilities
- Convention centers

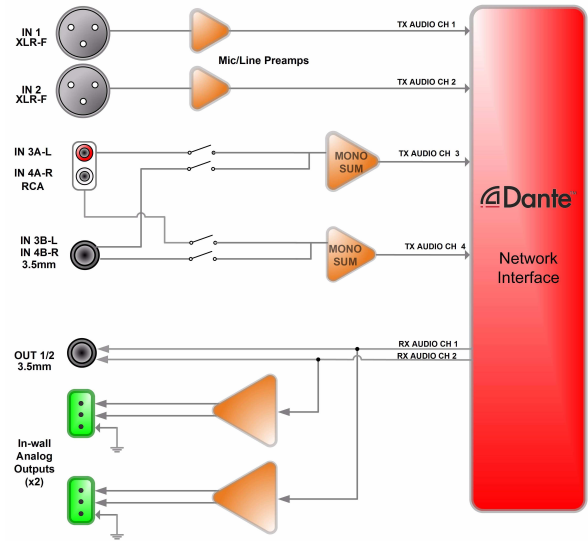
ABOUT ATTERO TECH

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

260.496.9668

www.atterotech.com

unD6IO Front and Side Panel



SPECIFICATIONS

XLR Mic/Line Input Type: Balanced and RF filtered

Phantom Power: +48V, software selectable

Mic/Line Gain: 0dB, +15dB, +25dB, +40dB, all software selectable

Input Impedance: >1.8K ohms at any gain setting

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

Maximum Input Levels (XLR): +20dBu @ 0dB gain, +5dBu @ +15dB gain, -17dBu @ +25dB gain, -32dBu at +40dB gain

RCA and 3.5mm Inputs: RF filtered line level, input source software selectable

Maximum Input Levels (3.5mm/RCA): +12dBu

Depluggable Output Type: Balanced line level with automatic muting on loss of Dante signal (located on the side of the unD6IO)

Output Gain: 0dB

Output Noise: <-90dBu @ 0dB gain

Maximum Output Level(Balanced depluggable): +20dBu

3.5mm Output: RF filtered line level

Maximum Output Level(3.5mm): +12dBu

System THD: <.05% 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)

ARCHITECTS & ENGINEERS SPECS

The Dante interface unit shall provide two mic/line analog inputs on the front panel. Selectable gains of 0dB, +15dB, +25dB, and +40dB, and +48V phantom power option shall be provided via software for the XLR input. The unit shall provide two RCA line level inputs and one 3.5mm TRS line level input. The unit shall provide a 3.5mm TRS line level output, and 2 balanced outputs on depluggable connectors on the side of the unit. These outputs shall have software controlled volume.

The internal analog to digital signal conversion shall be performed at 24-bit resolution with a sampling frequency of 48 kHz. The Dante interface unit shall receive power over the Ethernet cable from an 802.3af PoE compliant network switch. The Dante interface shall be wall mounted in a standard US dual gang junction box.

The Dante interface shall be compatible with Atterotech unIFY software for flexible control and monitoring in system applications. The Dante interface shall be compliant with the RoHS directive. The Dante interface unit shall be compliant with the EMI/EMC requirements for FCC and CE.

The Dante interface shall be the Atterotech unD6IO.