ATTEROTECH®

uncomplicated AV

unA6IO

AES67 IN-WALL I/O INTERFACE

Preliminary - Available in Q3 2017

The unA6IO AES67 Audio Interface is a cost effective multi-IO wall box. The unA6IO 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 unA6IO 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 unA6IO's size and I/O density make it easy to put AES67 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 sidemounted 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 unA6IO 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 stream (see Audio Flow diagram)
- AES67 is compatible with **all** QSC Core DSPs

APPLICATIONS

Convenient, wall mounted Bluetooth interface for:
- Hotel ballrooms
- Conference/meeting centers
- Restaurants and bars
- Sports, spa and fitness facilities
- Convention centers

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 head-quartered in Fort Wayne, Indiana USA - where all of our products are designed and built. Contact us at:

260.496.9668   www.atterotech.com

unA6IO PRODUCT BRIEF
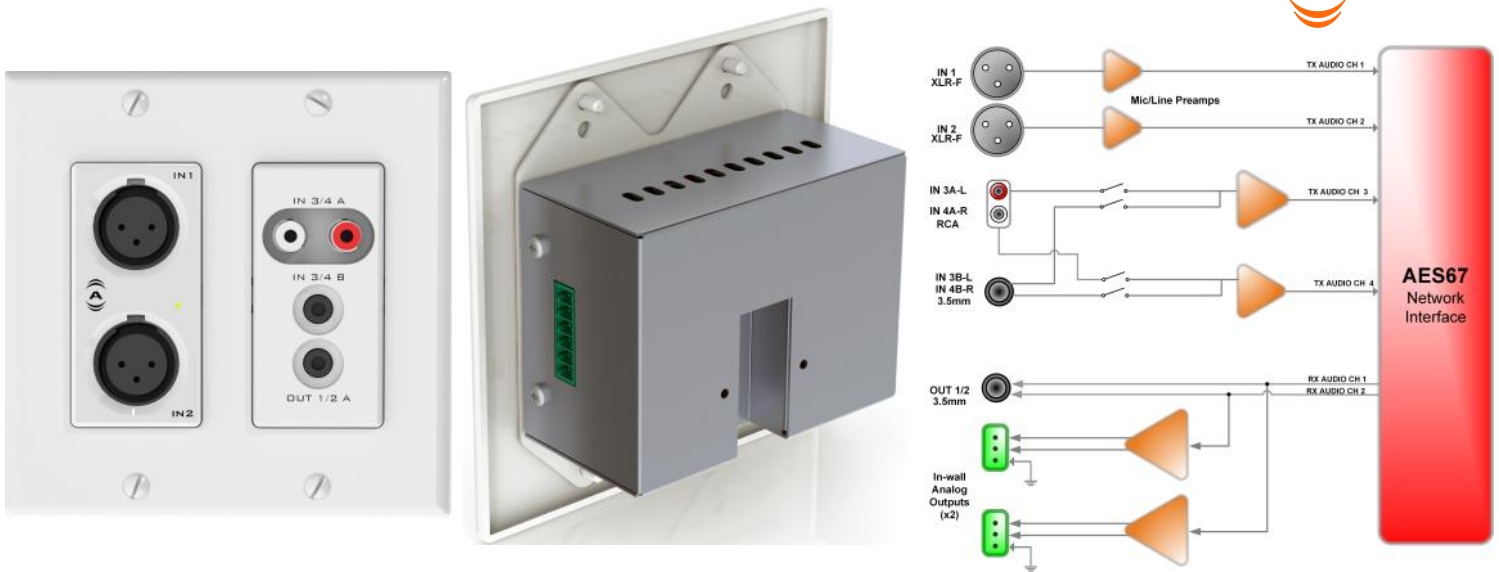
unA6IO Front, Rear, and Audio Flow

SPECIFICATIONS

XLR Mic/Line Input Type: Balanced and RF filtered
Phantom Power: +48V, software selectable
Mic/Line Gain: -18dB, -3dB, +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 @ -18dB gain, +6dBu@-3dB gain, -23dBu @+25dB gain, -38dBu 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
Output Gain: 0dB to -60dB in 1dB steps, software selectable
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: <.02% at any gain, input signal 3dB below maximum
Certifications: FCC 47CFR Parts 15B and 18 (Class A), EN 55011, ICES-003, CE (EN55022 Class A and EN55024 Class A)
Dimensions: 3.54" W x 4.2" H x 2.0" D
Operating Temperature: 0°C - 40°C

ARCHITECTS & ENGINEERS SPECS

The AES67 interface unit shall provide two mic/line analog inputs on the front panel. Selectable gains of –18dB, -3dB, +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 from 0dB to –60dB in 1dB increments.

The internal analog to digital signal conversion shall be performed at 24-bit resolution with a sampling frequency of 48kHz. The AES67 interface unit shall receive power over the Ethernet cable from an 802.3af PoE compliant network switch. The AES67 interface shall be wall mounted in a standard US dual gang junction box.

The AES67 interface shall be compatible with Attero Tech uniFY software for flexible control and monitoring in system applications. The AES67 interface shall be compliant with the RoHS directive. The AES67 interface unit shall be compliant with FCC 47CFR Parts 15B and 18 (Class A), EN 55011, ICES-003, CE (EN55022 Class A and EN55024 Class A).

The AES67 interface shall be the Attero Tech unA6IO.