

unA6IO

AES67 IN-WALL I/O INTERFACE

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 Atterotech'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
- Built-in tone generator for audio system diagnostics

APPLICATIONS

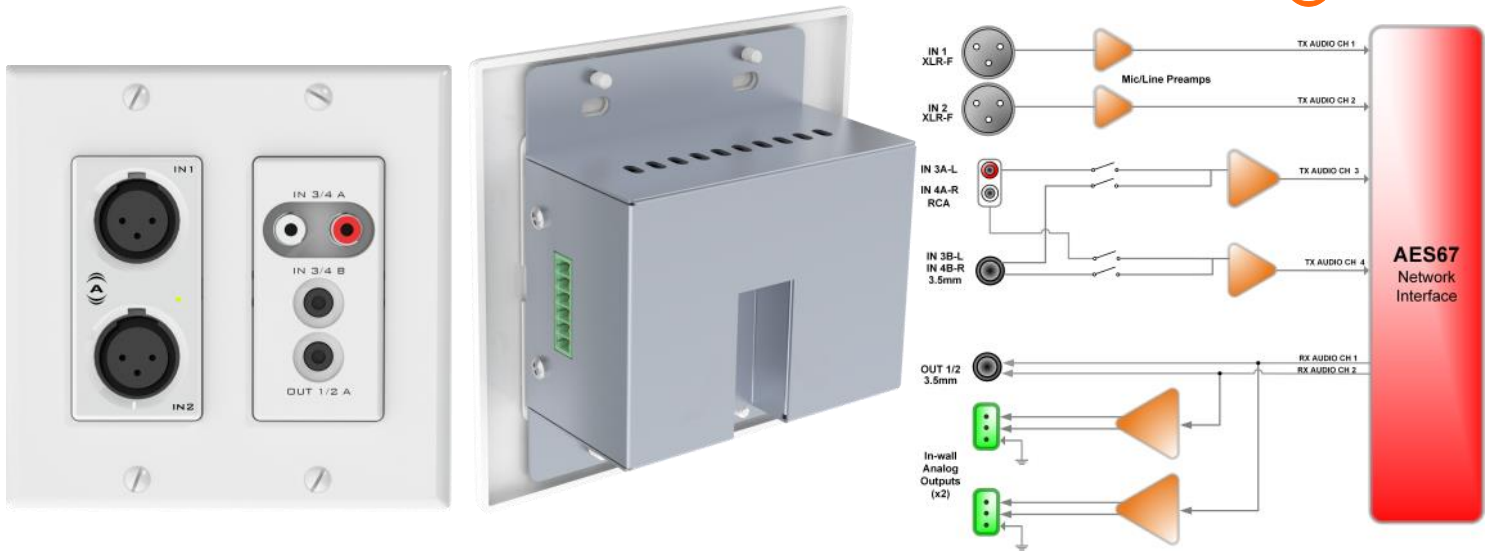
- Easily accessible microphone audio interface for presentation audio systems in meeting spaces, classrooms, theaters and hospitality venues.
- House of worship AES67 connectivity for musicians and worship leaders
- Conveniently located audio network I/O for reconfigurable AV systems in convention spaces and hospitality venues

ABOUT ATTEROTECH

Atterotech 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. Atterotech 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



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
- Power Consumption:** <5W max
- 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

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. Each analog input shall be included in an AES67 multicast audio transmit stream, and each analog output shall be capable of being driven from a channel within an AES67 multicast audio stream.

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 Atterotech 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 Atterotech unA6IO.