QSC®

Attero Tech by QSC
Axiom ML1

Audio Extension I/O module

Features

- XLR input provides connectivity for dynamic microphones with 50 dB of adjustable gain

- ¼" connector includes a fixed attenuator pad for +4 dBu nominal input levels

- 3.5 mm jack provides consumer (-10 dBV nominal) input level with 20 dB of adjustable gain and is summed to mono

- Audio signal level indicator LEDs for each input provide quick feedback for proper input gain adjustments

- Selectable sum-to-mono option for both inputs, allowing two ML1s or another Axiom device to be daisy-chain connected on a single bus

- Ships with both black and white Decora plates and fascia inserts

Applications: Hospitality • House of Worship • Fitness Facilities • Education

The Attero Tech by QSC Axiom ML1 provides an installation friendly, simple to operate analog audio extension of analog mic and line level sources for cost-sensitive applications such as small and medium sized retail, restaurant, education and hospitality venues.

When paired wtih the the Attero Tech by QSC Axiom AXP2O expander unit (sold separately), the Axiom ML1 outputs balanced mono or stereo analog audio on 3-pin depluggable connectors for easy connection to commercial audio equipment.

Application Example

Axiom ML1

AXP2O

CAT-5/6

RS-232 Control

Balanced Audio Output

Q-SYS Core 110f

CAT-5/6

Q-SYS network touch screen controller

Specifications

Audio Inputs (Mic/Line)

Connector type	XLR,1/4"
Gain	0 to 50 dB
Input impedance	microphone: 2k Ω line: 10k Ω
Maximum input levels	+18 dBu @ minimum gain (1/4") +20 dBu @ minimum gain (XLR)
THD+N	<0.05% @ 1 kHz, -3 dBFS input, 20 Hz - 20 kHz
Frequency response	20 Hz - 20 kHz, +/- 1 dB (1/4"), 50 Hz - 20 kHz, +/- 1 dB (XLR)
Dynamic range	>110 dB at minimum gain
EIN	-115 dBu

Audio Inputs (3.5 mm Line)

Connector type	3.5 mm TRS
Gain	0 to 20 dB
Input impedance	>10K ohms at any gain
Maximum input levels	+12 dBu @ minimum gain
THD+N	<0.05% @ 1 kHz, -3 dBFS input. 20 Hz - 20 kHz
Frequency response	20-20 kHz, +/- 1 dB
Dynamic range	>110 dB at minimum gain

Power Specifications

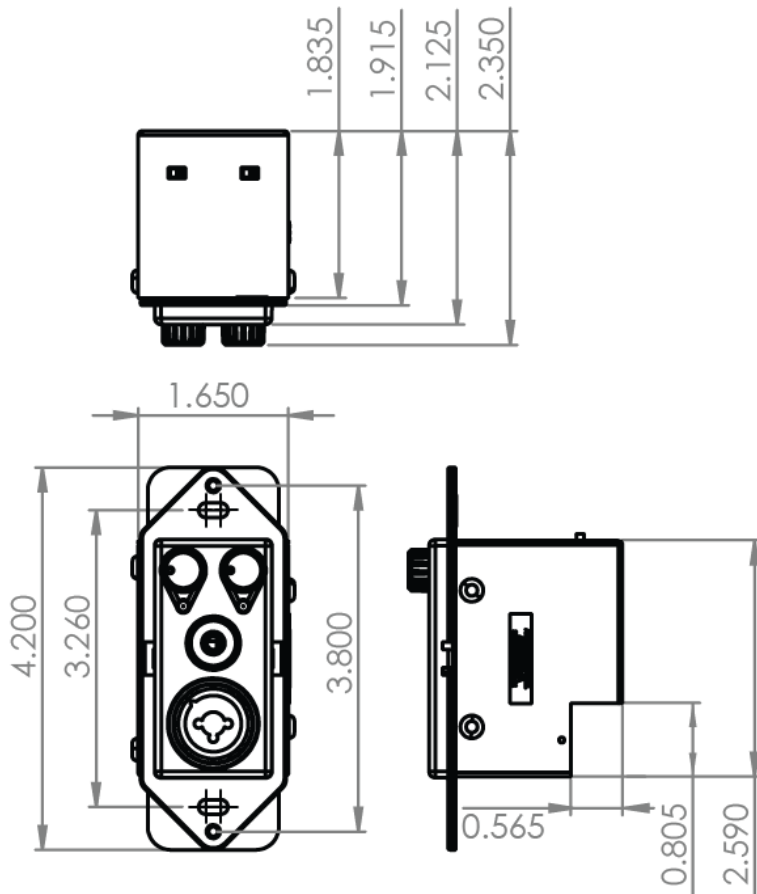|	
DC power	24 V DC (center positive barrel jack)
Power consumption	50 mA @ 24 V / 1.2 W

General

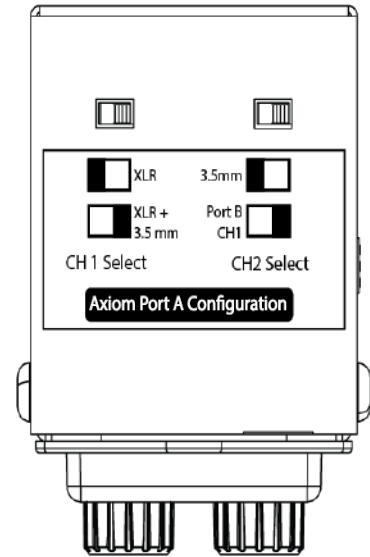|	
Dimensions (HWD)	1.1 x 1.7 x 2.4 in (27.9 x 43.2 x 61 mm)
Certifications	WEEE RoHS REACH
Operating tempurature	CAT-5e or higher, UTP

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Axiom ML1 Details

Dimensions:

Switch Label/Configuration Options:

CH 1 Select: route either the XLR or a sum of the XLR and 3.5 mm inputs to the CH 1 output of Axiom Port A (on the AXP2O).

CH 2 Select: route either the 3.5 mm input or the Axiom Port CH 1 (daisy-chained Axiom device) to the CH 2 output of Axiom Port A (on the AXP2O.

Axiom ML1 Spec Sheet 03/13/2020

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