QSC

**Attero Tech by QSC
Axon DBU**

USB/Bluetooth network audio interface
(Dante™/AES67)

Features

- Surface-mount USB/Bluetooth network audio interface for network AV systems, such as the Q-SYS Ecosystem

- Configurable Bluetooth audio interface for call bridging and general music playback applications

- Supports mute synchronization with Microsoft Teams & Skype for Business

- Available Q-SYS Extension

- PoE capable (802.3af)

- Dante Domain Manager ready

Applications: Meeting Spaces • Huddle Rooms • Classrooms

The Attero Tech by QSC Axon DBU is a surface-mount, Dante/AES67 network audio interface offering bi-directional USB and Bluetooth integration into network AV systems, such as the Q-SYS Ecosystem. Geared for simple, "bring your own device support", the Axon DBU allows for PC or mobile device connectivity in a compact form factor that can be easily mounted under a table or in a rack, providing maximum system design flexibility.

Bring your own Device (BYOD) support: The Axon DBU enables meeting space and classroom applications where users need to connect their PC's or mobile devices to integrate a room's audio into their web conferencing application (such as Microsoft Teams). Both the USB (up to 2 x 2 channels) and stereo Bluetooth interfaces are bi-directional, allowing for simple conference call bridging or general music playback.

Q-SYS Ecosystem Integration: With the available Q-SYS Extension, integration of the Axon DBU into the Q-SYS Q-SYS Ecosystem is simple. Quickly deploy the DBU into your Q-SYS design and gain audio control and signal monitoring via native Q-SYS TSC touch screen controllers, without the need for any programming. Furthermore, as of Q-SYS Designer Software v8.4, the Q-SYS Scripting Engine license is not required to deploy designs with Attero Tech by QSC devices.

Axon DBU Details

Specifications

USB

Interface	2.0, Class 1 audio
Audio support	up to 2 x 2 channels 16 bit 44.1/48 kHz sampling rate
USB audio profiles	1 x 1 - Speakerphone (HFP host, AEC disabled) 1 x 1 - Speakerphone (HFP host, AEC enabled) 2 x 2 - General line in/out soundcard (A2DP)
USB HID/OS	Control integration for basic Windows and Mac mute and volume control Mute state synchronization support for Microsoft Teams, Skype for Business

Bluetooth

Audio support	16 bits, 44.1/48 kHz sampling rate
Bluetooth profiles	Two-channel media audio streaming (A2DP) plus transport control (AVRCP) Mobile Phone call bridging (HFP)
Pairing options	Basic – user must press pairing button (or initiate pairing via the DBU API) to pair and connect Reconnect – a previously paired user simply selects the DBU on their device to connect Exclusive – only a single, previously paired device can select the DBU and connect
Voice prompts	Optional voice prompts can indicate the following Bluetooth states: • Pair/Connect mode initiated • Pair/Connect mode ended • Pair/Connect successful • Pair/Connect failed

LED Indicators

Power	Yellow (solid) - initializing White (solid) - operating normally
Network	Red (solid) – PTP audio clocking not synchronized Green (solid) – DBU is synchronized to PTP clock as a clock slave White (solid) – DBU is synchronized to PTP clock as the clock master
Bluetooth	Off – Bluetooth Disabled Green (solid) – Bluetooth Idle Blue (blinking) – Bluetooth discoverable Blue (solid) – Bluetooth connected Purple (blinking) - Poor Bluetooth connection Yellow (blinks 3 times) - Bluetooth pair button pressed while disabled White (solid) - USB priority mode is active

Power

Operating temperature	0 to 40° C
Power requirements	PoE (802.3af) or +24 V DC @ 120 mA
Power consumption	< 4 W

General

Dimensions (HWD)	5.6 x 5.4 x 1.0 in (143.3 x 137.0 x 25.4 mm)
Weight	0.99 lbs (0.45 kg)
Regulatory compliance	FCC Part 15, Subpart B EN 55032:2015 EN 55035:2017 Class A RoHS WEEE