

DATA SHEET

TESIRA® EX-UBT AVB/USB EXPANDER WITH BLUETOOTH® WIRELESS TECHNOLOGY



The EX-UBT can transport USB digital audio reliably throughout a customer's network and is not limited by the specification-defined maximum USB connection length of 5 meters. This makes the EX-UBT ideal for installations requiring USB connections not located in a rack or near other equipment; installations requiring multiple USB audio inputs; or in projects using Tesira SERVER or SERVER-IO as the DSP since they have no on-board USB connection.

Powered by PoE, the EX-UBT expander supports up to eight channels of configurable USB audio as well as Bluetooth® wireless technology, which is enabled and configured through the Tesira software. With Bluetooth, the EX-UBT provides a cable-free solution for teleconferencing using soft codecs, continuing a mobile phone call into a meeting room, or for supplying background music in a hospitality setting. It's the perfect solution for a variety of room types and sizes that require USB audio, such as conference rooms or multi-purpose spaces.

FEATURES

- Supports up to 8 channels of configurable USB audio
- Supports Bluetooth wireless technology
- LED indicators for power and wireless status
- Configurable via Tesira software
- Powered by PoE (IEEE 802.3at Class 2, 7W)
- CE marked, UL listed, and RoHS compliant
- Covered by Biamp Systems' five-year warranty

ARCHITECTS & ENGINEERS SPECIFICATIONS

The AVB/USB expander shall be designed exclusively for use with Tesira® systems. The AVB/USB expander shall utilize an AVB/TSN network via an RJ-45 connector for audio networking as well as software configuration and control. The AVB/USB expander shall include a Universal Serial Bus (USB) 2.0 connection on a standard USB-B type connector. The AVB/USB expander shall be software configurable to stream up to 8 channels of digital USB Class 1 Audio transmission or USB Class 2 Audio transmission either into or out of the AVB/USB expander, or simultaneous input and output. The AVB/USB expander shall support Bluetooth® wireless technology and shall be compatible with the Hands-Free Profile and Advanced Audio Distribution Profile. The AVB/USB expander shall support the SBC, mSBC, and AAC codecs. The AVB/USB expander shall support the Qualcomm® aptX™ codec. The AVB/USB expander shall be powered by PoE (IEEE 802.3at Class 2). The AVB/USB expander shall be CE marked, UL listed, and compliant with the RoHS directive. Warranty shall be five years. The AVB/USB expander shall be Tesira EX-UBT.

TESIRA EX-UBT SPECIFICATIONS

Network Connection:	RJ-45 with Ethernet cable (Cat 5e and above)	Power:	PoE (IEEE 802.3at Class 2, 7W)
Indicators:	Power Indicator (Green/Red LED) Wireless Indicator (Blue/Red LED)	USB:	
Bluetooth Wireless Technology:		Bit Depth:	16-bit / 24-bit
Version:	4.2, Class 2	Number of Channels:	up to 8
Mode:	Bluetooth Classic	Sample Rate:	48kHz
Supported Profiles:	Hands-Free Profile 1.7 (HFP) Advanced Audio Distribution Profile 1.3 (A2DP)	Overall Dimensions:	
Supported Codecs:	mSBC (16 kHz), SBC (48 kHz), AAC (48 kHz), aptX (48 kHz)	Height:	0.9 inches (24mm)
Maximum Transmit Power:		Width:	2.5 inches (64mm)
BER/EDR:	6.43 dBm (EIRP)	Depth:	4.2 inches (106mm)
BLE:	7.69 dBm (EIRP)	Weight:	0.2 lbs (0.1 kg)
Receive Sensitivity (0.1% BER):	-88 dBm	Environmental:	
Frequency Band:	2,402 to 2,480 MHz	Ambient Operating Temperature Range:	32 - 104° F (0 - 40° C)
Wireless Range:	Up to 100 feet (30 m)	Humidity:	0-95% relative humidity (non-condensing)
		Altitude:	0-10,000 ft (0-3000m) MSL
		Compliance:	FCC Part 15B (USA) CE marked (Europe) UL and C-UL listed (USA and Canada) RoHS Directive (Europe)

TESIRA EX-UBT BACK PANEL



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