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



The EX-UBT is an AVB/USB expander for use in Tesira® systems. It provides reliable digital audio I/O via USB in installations currently served by USB extenders, where the USB connection distance exceeds the maximum allowable cable length of 5 meters. The EX-UBT can also be used in situations requiring multiple USB audio inputs, or to retrofit existing Tesira installations that do not currently provide USB audio capabilities, such as those using Tesira SERVER or SERVER-IO as their DSP. Powered by PoE+ (IEEE 802.3at Class 2, 7W), the EX-UBT also supports Bluetooth® wireless technology, which is configured through Tesira software. The EX-UBT uses Bluetooth wireless technology to provide a cable-free solution for several use cases, including but not limited to: teleconferencing using soft codecs or cell phone, and supplying background music to a Tesira system. The EX-UBT is well suited 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) |
| | | **USB:** | |
| **Indicators:** | Power Indicator (Green/Red LED) |   **Bit Depth:** | 24-bit |
| | Wireless Indicator (Blue/Red LED) |   **Number of Channels:** | up to 8 |
| **Bluetooth Wireless Technology:** | |   **Sample Rate:** | 48kHz |
|   **Version:** | 4.2, Class 2 | **Overall Dimensions:** | |
|   **Mode:** | Bluetooth Classic |   **Height:** | 0.9 inches (24mm) |
|   **Supported Profiles:** | Hands-Free Profile 1.7 (HFP) |   **Width:** | 2.5 inches (64mm) |
| | Advanced Audio |   **Depth:** | 4.2 inches (106mm) |
| | Distribution Profile 1.3 (A2DP) |   **Weight:** | 0.2 lbs (0.1 kg) |
|   **Supported Codecs:** | mSBC (16 kHz), | **Environmental:** | |
| | SBC (48 kHz), |   **Ambient Operating** | |
| | AAC (48 kHz), |   **Temperature Range:** | 32 - 104° F (0 - 40° C) |
| | aptX (48 kHz) |   **Humidity:** | 0-95% relative humidity (non-condensing) |
| **Maximum Transmit Power:** | |   **Altitude:** | 0-10,000 ft (0-3000m) MSL |
|   **BER/EDR:** | 6.43 dBm (EIRP) | **Compliance:** | |
|   **BLE:** | 7.69 dBm (EIRP) | | FCC Part 15B (USA) |
|   **Receive Sensitivity (0.1% BER):** | -88 dBm | | CE marked (Europe) |
|   **Frequency Band:** | 2,402 to 2,480 MHz | | UL and C-UL listed (USA and Canada) |
|   **Wireless Range:** | Up to 100 feet (30 m) | | RoHS Directive (Europe) |

## TESIRA EX-UBT BACK PANEL

Qualcomm® aptX™

**biamp.**

**A:** 9300 S.W. Gemini Drive Beaverton, OR 97008 USA    **T:** +1 503.641.7287    **W:** www.biamp.com