



Overview

The Quad Audio Wall Balun (500033-WP-US) allows up to four (4) analog line audio signals to be transmitted via unshielded twisted pair (UTP) cable in a point-to-point connection.

Used in pairs, the Quad Audio Wall Balun allows up to four (4) coax audio cables to be replaced by one (1) Cat5e/6 cable. The Quad Audio Balun also works in conjunction with other MuxLab analog audio baluns such as the 500019.

Applications

Custom commercial and home audio systems, intercom systems, rental and staging systems, audio-video conferencing systems.



Features & Benefits

Cost-efficient cabling – save up to four (4) cables 20 Hz to 20 KHz bandwidth for high fidelity Analog audio up to 3,250 ft (1.0 km) via Cat5e/6 Compact design for neater wiring Compatible with Decora™ face plates

| Specifications | Habalanaad lina laval analaa aydis |
|--------------------------------|---|
| Environment | Unbalanced line-level analog audio. |
| Devices | DVD players, audio receivers, audio amplifiers and audio mixers, audio matrix |
| | switchers and other unbalanced line-level audio equipment. |
| Transmission | Transparent to the user |
| Bandwidth | 20 Hz to 20 kHz |
| Peripherals' Impedance | Source 100 Ω Mx, Receiver 10 kΩ min. |
| Insertion Loss | Less than 2 dB per pair over the frequency range |
| Common Mode Rejection Ratio | Greater than 60 dB at 1 kHz |
| THD | Less then 0.007% @ 1 kHz |
| Maximum Input Level | 1.1 Vp-p |
| Impedance Transformation Ratio | Single unit: 4:1 (source: line) |
| Cable: Cat 5E UTP/STP | 24 AWG or lower solid copper twisted pair wire |
| | Impedance: 100 ohms at 1 MHz |
| | Maximum capacitance: 20 pf/ft |
| | Attenuation: 6.6 dB/1,000 ft at 1 MHz |
| Unbalanced In/ Out Cable | Shielded, coaxial |
| Ground Loop Isolation | Range of +/-50VDC |
| Connectors | Four (4) RCA receptacles for audio, one (1) RJ45 jack |
| Pin Configuration | Audio 1: Pins 7(R) & 8(T) Audio 2: Pins 3(R) & 6(T) |
| | Audio 3: Pins 4(R) & 5(T) Audio 4: Pins 1(R) & 2(T) |
| Max. Distance: | 3250 ft (1 km) |
| Cat 5E/6 UTP/STP | |
| Temperature | Operating: 0° to 55°C |
| | Storage: -20° to 85°C |
| | Humidity: Up to 95% non-condensing |
| Enclosure | Fire retardant plastic |
| Weight | 4.1 oz (115 g) |
| Dimensions | 4.1" (104 mm) x 1.8" (45.7 mm) x 1.44" (36.6 mm). Choose 1.6" (40 mm) |
| | deep back box to allow for Cat 5E/6 wiring connection. |
| Warranty | Lifetime |
| Order Information | 500033-WP-US Quad Audio Wall Plate Balun, US |

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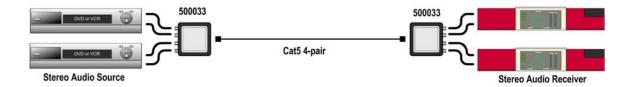
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Quad Audio Wall Balun 500033-WP-US

Typical Application



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