

#### Overview

The Quad Audio Wall Balun (500033-WP-UK) 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

| Specifications                 |   |
|--------------------------------|---|
| 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 $\Omega$ Mx, Receiver 10 k $\Omega$ 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   |
| Habatan and Ind Oat Oakla      | 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)                           |
| Max. Distance:                 | Audio 3: Pins 4(R) & 5(T) Audio 4: Pins 1(R) & 2(T)  3250 ft (1 km)           |
| Cat 5e/6 UTP/STP               | 3250 II (T KIII)  |
| Temperature                    | Operating: 0° to 55°C   |
| Temperature                    | Storage: -20° to 85°C   |
|                                | Humidity: Up to 95% non-condensing  |
| Enclosure                      | Fire retardant plastic  |
| Weight                         | 4.1 oz (115 g)  |
| Dimensions                     | 86 mm x 86 mm x 36 mm. Choose 40 mm deep back box to allow for                |
|                                | Cat5e/6 wiring connection.  |
| Warranty                       | Lifetime  |
| Order Information              | 500033-WP-UK Quad Audio Wall Plate Balun, UK                                  |

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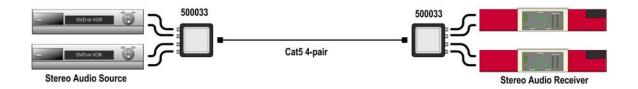
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# Quad Audio Wall Balun 500033-WP-UK

# **Typical Application**



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