



#### 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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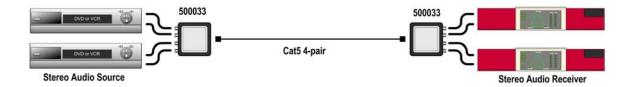
8495 Dalton Road, Mount Royal, Quebec, H4T 1V5

Tel: (514) 905 0588 Fax: (514) 905 0589

Toll Free:1 877 689-5228 E-mail: <u>videoease@muxlab.com</u> URL:www.muxlab.com

# Quad Audio Wall Balun 500033-WP-US

## **Typical Application**



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