

**Overview**

The VideoEase Quad Audio Balun 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 Balun allows up to four (4) coax audio cables to be replaced by one (1) Cat5 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
- Analog audio up to 5,000 ft (1.5 km) via Cat 5
- Compact design for neater wiring

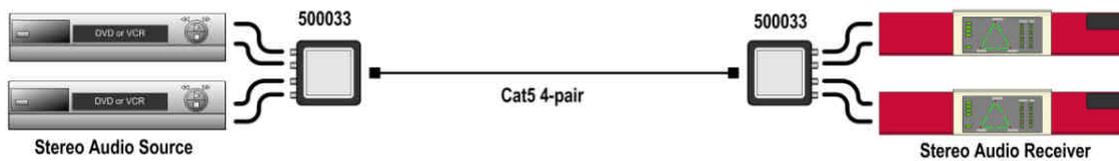
Specifications	
<b>Environment</b>	Unbalanced line-level analog audio.
<b>Devices</b>	DVD players, audio receivers, audio amplifiers and audio mixers, audio matrix switchers and other unbalanced line-level audio equipment.
<b>Transmission</b>	Transparent to the user.
<b>Bandwidth (3dB roll-off point) (400 O source &amp; 50 kO receiver)</b>	Up to 1,000 ft (305m): 60Hz - 20 kHz 1,000 ft (305m) to 5,000 ft (1.5 km): 100Hz- 20 kHz
<b>Maximum Input Level</b>	1.1Vp-p (+20 dBu, unbalanced < 1% THD)
<b>Insertion Loss per Balun Pair</b>	Less than 1 dB per pair over the frequency range
<b>Common Mode Rejection (CMMR)</b>	Greater than 60 dB @ 1 kHz
<b>Audio Source Impedance</b>	100 to 600 O
<b>Audio Receiver Impedance</b>	10 kO to 100 kO
<b>Impedance Transformation Ratio</b>	Single unit: 4:1 (source: line)
<b>Cable – UTP</b>	24 gauge or lower solid copper twisted pair wire impedance: 100 ohms at 1 MHz. Maximum capacitance: 20 pf/foot. Attenuation: 6.6 dB/1000 ft at 1 MHz
<b>Cable - Coax</b>	75-ohm coaxial cable
<b>Connectors</b>	Four (4) RCA-receptacle for audio. One (1) RJ45 jack
<b>Pin Configuration</b>	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)
<b>Impedance</b>	Video: 75 ohms (RCA) unbalanced.
<b>Temperature</b>	Operating: 0° to 55° C. Storage:-20° to 85° C. Humidity: up to 95%
<b>Enclosure</b>	Fire retardant plastic
<b>Dimensions</b>	2.40" x 2.25" x 1.00" (6.1 x 5.7 x 2.54 cm)
<b>Weight</b>	2.1 oz (61 gms)
<b>Warranty</b>	Lifetime
<b>Order Information</b>	500033      VideoEase Quad Audio Balun

**MuxLab Inc.**

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## Typical Application



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