

Overview

The Stereo Hi-Fi Wall Balun (500028-WP-UK) allows unbalanced line level stereo analogue audio to be transmitted via Category 5e/6 unshielded copper twisted pair (UTP) in a point-to-point connection. The product is designed for audio applications where full-range, hi-fidelity audio frequency response is required and is compatible with 86x86mm back boxes.



Used in pairs, the Stereo Hi-Fi Wall Balun eliminates costly and bulky coaxial cable, allowing audio equipment to be connected or moved within a structured cabling environment.

Applications

Boardroom systems, classroom training, auditoriums, custom home installations and intercom systems.

Features & Benefits

- 20 Hz to 20 KHz bandwidth
- Up to 3,250 ft (1km) via Cat5e/6 UTP
- Quicker moves, adds and changes
- Compatible with 86x86mm back boxes
- Compatible with 50x50mm faceplate opening

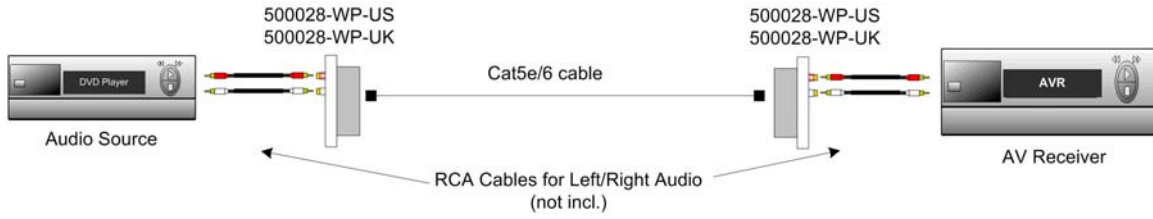
Specifications	
Environment	Line level unbalanced analogue audio
Devices	DVD players, satellite receivers, MPEG players, laptops, hi-fidelity stereo audio amplifiers, audio switchers, AV monitors, powered subwoofer and other line level audio equipment
Transmission	Transparent to the user.
3dB Bandwidth	20 Hz to 20 KHz over the distance range
Maximum Input	1.1Vp-p (unbalanced)
Insertion Loss per balun pair	Less than 2 dB over the frequency range.
Common Mode Rejection	Greater than 60 dB @ 1 KHz Greater than 40 dB over the frequency and distance range
THD	Maximum 0.007% @ 1 KHz over distance range.
Audio Source Impedance	100 ohms maximum
Audio Receiver Impedance	10 k ohms minimum
Max. Distance – Cat5e/6 UTP	3,250 ft (1km)
Pin Configuration (RJ45) <i>EIA 568 A or B</i>	Audio 1 (White): pins 1[R] & 2 [T] Audio 2 (Red): pins 3 [R] & 6 [T]
Cable – UTP	24AWG 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
Cable – Coax	Shielded audio cable
Connectors	Two (2) RCA-M 6" cable leads One (1) RJ45
Temperature	Operating: 0° to 55° C. Storage: -20° to 85° C. Humidity: up to 95%
Enclosure	ABS. Fire retardant plastic
Dimensions	86 mm x 86 mm x 36 mm. Choose 40 mm deep back box to allow for Cat5e/6 wiring connection.
Weight	4.1 oz (115 g)
Warranty	Lifetime
Order Information	500028-WP-UK Stereo Hi-Fi Wall Balun, UK

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Typical Application



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