

Stereo Audio Balun

Overview

The Dual S-Video Balun allows up to two (2) S- Video signals to be transmitted via unshielded twisted pair (UTP) cable up to 1,000 ft (305m) in a point-to-point connection.

The Dual S-Video Balun fully utilizes the Cat5/6 cable and works in conjunction with MuxLab rack, wall and surface mounting accessories for more cost efficient cabling.

Applications include; classroom video training, commercial and residential AV systems, medical/dental video monitoring, security and surveillance cameras.



Features & Benefits

Optimize use of Cat5e/6 cable
Cat5e/6 UTP Greater distance than S-Video cable Lifetime

Up to 1,000 ft

Specifications

| | | |
|---|---|----------------------------------|
| Environment | Line level unbalanced analogue audio | |
| Devices | DVD, VCR, camcorders, audio mixers, audio matrix switchers, audio splitters, audio distribution amplifiers, boosters, satellite receivers, MPEG players, laptops, stereo audio amplifiers, audio switchers, integrated TV monitors and other line level audio equipment | |
| Transmission | Transparent to the user. | |
| Bandwidth (3dB roll-off point) (400 Ω source & 50 kΩ receiver) | Up to 1,000 ft (305m): 60Hz - 20 kHz | - 2000ft (305m) to 5,000 ft (1.5 |
| Maximum Input Level | 1.1Vp-p | |
| Insertion Loss per Balun Pair | Less than 1 dB per pair over the frequency range | |
| Common Mode Rejection (CMMR) | Greater than 60 dB @ 1 kHz | |
| Audio Source Impedance | Less than 600 ohms | |
| Audio Receiver Impedance | 10 k ohms or greater | |
| Impedance Transformation Ratio | Single unit: 4:1 (source: line) | |
| Cable – UTP | 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 | |
| Max. Distance – Cat 5e/6 UTP | 5,000 ft (1,525m) | |
| Connectors | Two (2) RCA-M 6" cable leads One (1) RJ45 | |
| Pin Configuration (RJ45) EIA 568 A or B | Audio 1 (White): pins 1[R] & 2 [T] Audio 2 (Red): pins 3 [R] & 6 [T] | |
| Temperature | Operating: 0° to 55° C. Storage:-20 to 85° C. Humidity: up to 95% | |
| Enclosure | ABS. Fire retardant plastic | |
| Dimensions | 1.875" x 1.0" diameter plus 6" audio lead | |
| Weight | 1.0 oz (28 gms). | |
| Warranty | Lifetime | |
| Order Information | 500027 Stereo Audio Balun | |

Typical Application

