

Overview

The S-Video/Hi-Fi Wall Balun (500038-WP-US) allows a single S-Video signal to be transmitted via unshielded twisted pair (UTP) cable up to 1000 ft (305m) in a point-to-point connection.

The S-Video/Hi-Fi Wall Balun features full audio bandwidth response for high fidelity applications and is Decora™ compatible for ease of installation.

The S-Video/Hi-Fi Wall Balun works in pairs or in conjunction with the 500038 or 500017. Application include; classroom video distribution, commercial and home audio/video systems, hospital video training, video conferencing, and video kiosks.



Features & Benefits

- Up to 1,000 feet (305m) via Cat5e/6 UTP
- 20 Hz to 20 kHz audio bandwidth
- Decora™ compatible
- Lifetime warranty

Specifications		
Environment	S-Video equipment	
Devices	DVD players, VCR, satellite receivers, MPEG players, laptops, notebooks, monitors, LCD projectors, CCD cameras, video switchers, sequencers, digital video servers, video multiplexers, S-Video splitters, S-Video converters and other S-Video equipment.	
Transmission	Transparent to the user.	
	S-Video	Audio
Bandwidth	DC to 6 MHz	20 Hz to 20 kHz
Impedance	75 ohms	600 ohms min.
Maximum Input	1.1 Vp-p	1.1 Vp-p
Insertion Loss	Less than 2 dB per pair over the frequency range from DC to 6 MHz	Less than 2 dB per pair over the frequency range
Return Loss	Better than 15 dB over the frequency range	N/A
Common Mode Rejection Ratio (CMRR)	Greater than 40 dB over the frequency range	Greater than 60 dB at 1 kHz Greater than 40 dB over the frequency and distance range
Max. Distance via Cat 5E/6 UTP/STP Cable	1,000 ft (305 m)	3,250 ft (990 m)
Pin Configuration (RJ45) EIA 568 A or B	S-Video Luma: Pins 7(R) & 8(T) S-Video Chroma: Pins 4(R) & 5(T) <i>Reverse Polarity Sensitive</i>	Audio 1: Pins 1(R) & 2(T) Audio 2: Pins 3(R) & 6(T)
Cable: Cat 5E/6 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	
Connectors	One (1) 4-pin Mini DIN jack for S-Video Two (2) RCA audio jacks for stereo audio One (1) RJ45 for Cat 5E/6	
Temperature	Operating: 0° to 55°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing	
Enclosure	ABS fire retardant plastic, Color white, Finish glossy.	
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.	
Weight	4.1 oz (115 g)	
Compliance	FCC, CE, Decora® faceplate.	
Warranty	Lifetime	
Order Information	500038-WP-US S-Video/Hi-Fi Wall Balun UPC: 6-27699-92038-1	

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Typical Applications

