

Overview

The Component Video/Stereo Audio Balun (500058) allows one component video (YPbPr or RGB) signal and one (1) Stereo Audio channel to be transmitted via one (1) Cat5E/6 twisted pair cable for more cost-efficient cabling. The product features Ground Loop Coupling (GLC) to help eliminate hum bars.

Used in pairs, the Component Video/Stereo Audio Balun supports high-definition resolution and true left/right stereo audio for hi-fidelity commercial and residential AV applications.

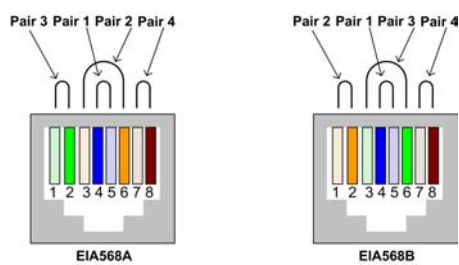
Benefits

More cost efficient cabling
Quicker moves, adds and changes
Neater wiring



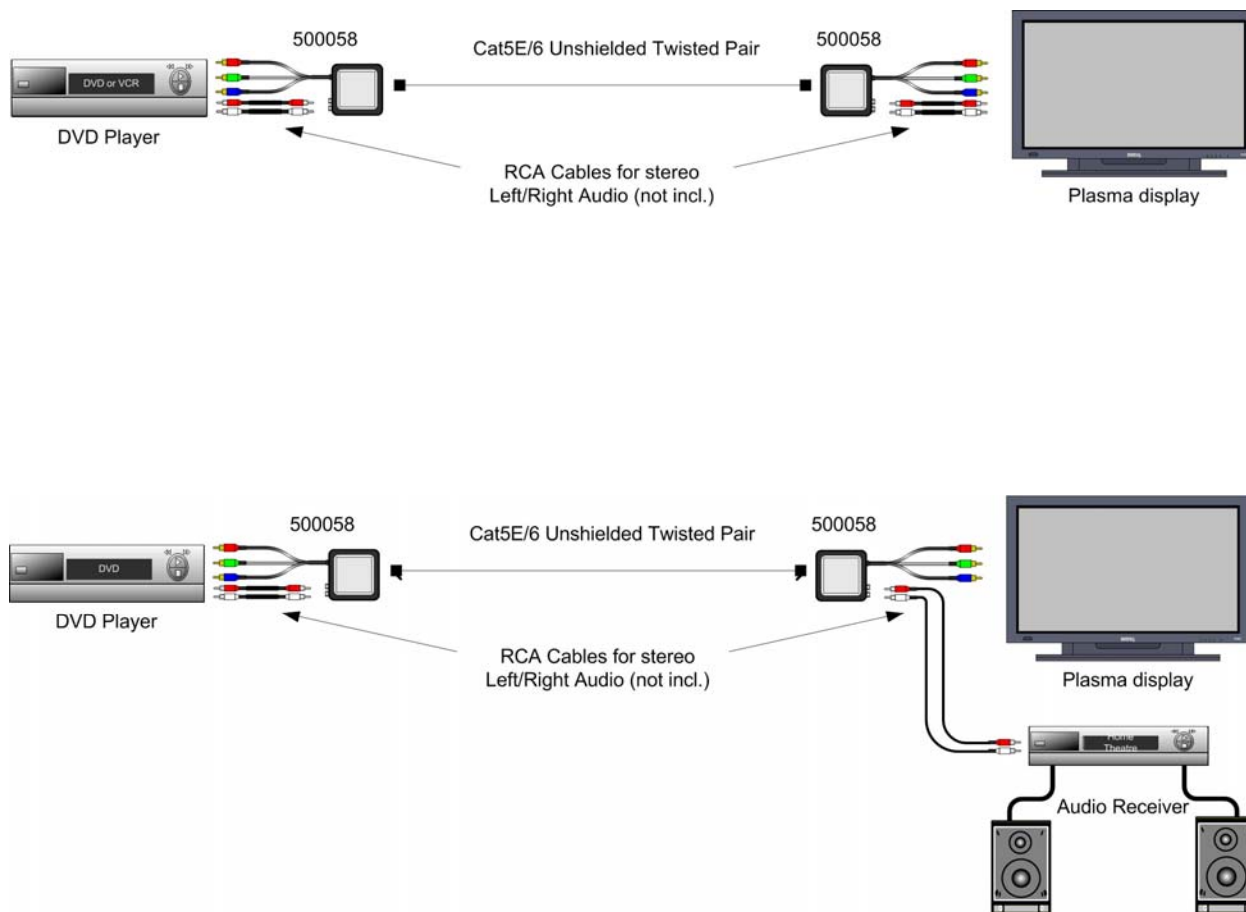
Features

Supports 480i/p up to 1,000 ft (305m) via one Cat5E/6*
Supports 720p/1080i/p up to 500 ft (152m) via Cat5E/6
Supports true Hi-Fi left/right analog stereo audio
Ground Loop Coupling (GLC) (*US Patent pending*)
Modular shielded RJ45 connector
* Not compatible with 500050/51/52/53/54/55/56/57

Specifications	
Environment	Component Video (YPbPr), RGB Video (sync on green). 480i/p, 720p, 1080i/p. Stereo line level analog audio.
Devices	DVD players, satellite receivers, plasma displays, projectors, monitors, up-converters, amplifiers, switchers, home theatre and other equipment supporting HDTV component video and/or analog audio.
Transmission	Transparent to the user.
Bandwidth	Video: DC-60 MHz, 3 dB roll off. Analog audio: 20 Hz to 20 KHz
Maximum Input	1.1Vp-p
Insertion Loss per pr (Y channel)	.1 dB for 0.1 MHz. Gradually increasing to 2.5 dB over the frequency range
Insertion Loss per pr (audio)	Less than 2 dB per pair over the frequency range.
THD	Less than 0.007% @ 1KHz
Return Loss (Y channel)	Greater than 15 dB over the frequency range
Common Mode Rej. (Y channel)	-55 dB @ 0.1 MHz. Gradually increasing to -20 dB @ 60 MHz.
Ground Loop Coupling (GLC)	Proprietary technique helps eliminate hum bars. <i>US Patent Pending.</i>
Max. Distance –Cat 5E/6 UTP/STP	480i/p: 1,000 ft (305m) 720p and 1080i/p: 500 ft (152m) Analog Stereo Audio: 3,250 ft (990m)
Cable – Cat5E/6 UTP/STP	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
Cable – Coax	Impedance: 75 ohms at 1 MHz
Connectors	Three (3) RCA-M connectors: Green (Y), Blue (Pb), Red (Pr), 6" leads Two (2) RCA-F connectors for left/right stereo audio RJ45S for twisted pair
Pin Configuration <i>EIA 568 standard Either 568A or 568B Straight-through pinning Reverse polarity sensitive Four (4) twisted pairs required</i>	 The diagram illustrates the pin configurations for EIA568A and EIA568B standards. EIA568A shows pairs 1, 2, 3, and 4 connected in a specific sequence to pins 1 through 8. EIA568B shows a different sequence for the same pairs. The labels 'Pair 3', 'Pair 1', 'Pair 2', and 'Pair 4' are used to identify the specific twisted pairs in each configuration.
Temperature	Operating: 0° to 55°C. Storage:-20° to 85°C. Humidity: up to 95%
Enclosure	ABS fire retardant plastic
Dimensions	2.40" x 2.25" x 1.0" (6.1 x 5.7 x 2.54 cm) plus 6" (15.24cm) cable lead for video
Weight	4.4 oz/ 122 gms
Regulatory	FCC, CE, RoHS.
Warranty	Lifetime
Order Information	500058 Component Video/Stereo Audio Balun

Component Video/Stereo Audio Balun 500058

Typical Application



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