

Overview

The Component Video/Stereo Audio Wall Plate Balun (500058-WP-US) 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 fits Decora™ compatible outlet boxes for neater wall mount installation.

Used in pairs or in conjunction with the 500058, 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

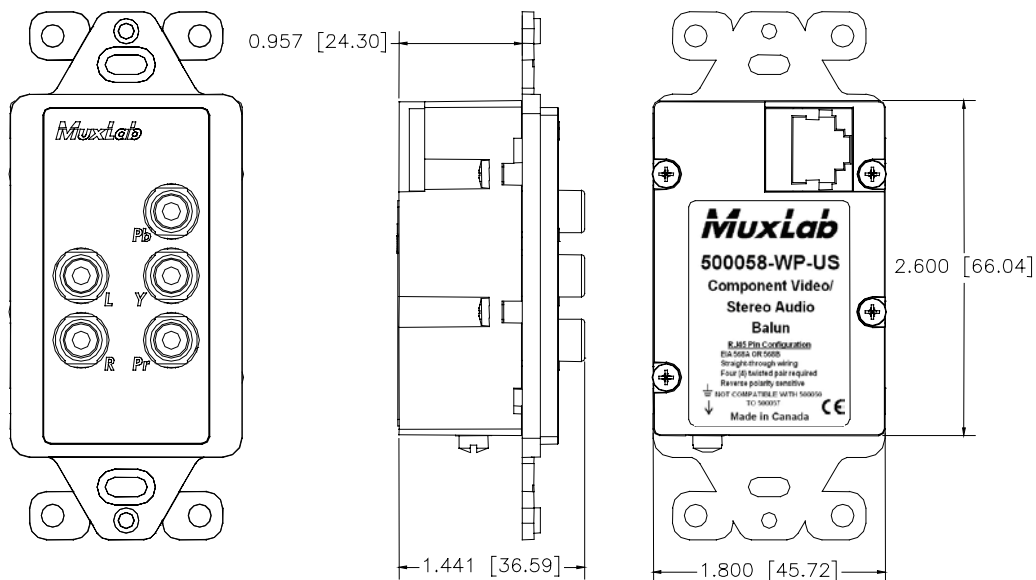
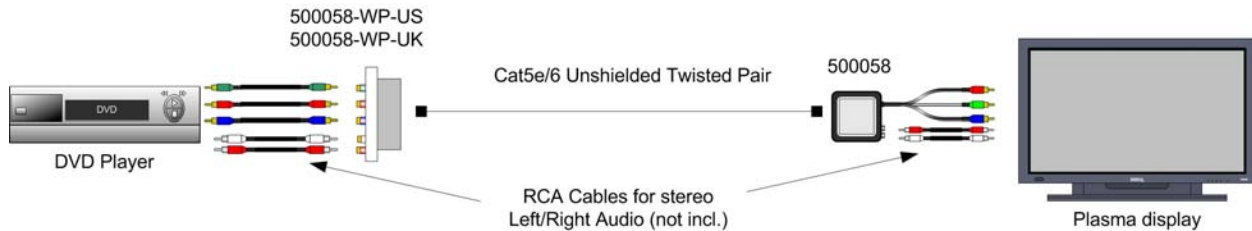
Supports 720p/1080i/p up to 500 ft (152m) via Cat5E/6
Supports true Hi-Fi left/right analog stereo audio
Ground Loop Coupling (GLC) (*US Pat. # 8,299,649*)
Decora™ compatible wall plate standard
Modular shielded RJ45 connector

* Not compatible with 500050/51/52/53/54/55/56/57/250/251/252/253

Specifications	
Environment	Component Video (YPbPr), RGB Video (sync on green). 480i/p, 720p, 1080i/p.
Devices	DVD players, satellite receivers, plasma displays, projectors, monitors, up-converters, amplifiers, switchers, home theatre & other equipment supporting HDTV component video and/or stereo audio.
Transmission	Transparent to the user
Bandwidth	Video (Y): DC to 60 MHz, 3 dB roll off Analog audio: 20 Hz to 20 kHz
Maximum Input	1.1 Vp-p
Insertion Loss (Y channel)	0.1 dB for 0.1 MHz. Gradually increasing to 2.5 dB over the frequency range
Insertion Loss (Audio)	Less than 2 dB over the frequency range per pair of baluns
THD	Less than 0.007% at 1 kHz
Return Loss (Y channel)	Greater than 15 dB over the frequency range
Common Mode Rejection Ratio (Y channel)	-55 dB at 0.1 MHz Gradually increasing to -20 dB at 60 MHz
Ground Loop Coupling (GLC)	Proprietary technique helps eliminate hum bars <i>US Patent # 8,299,649</i>
Max. Distance via Cat 5E/6 UTP/STP Cable	Video: 480i/p: 1,000 ft (305 m). 720p and 1080i/p: 500 ft (152 m) Stereo Audio: 3,250 ft (1 km)
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
Cable: RCA	Impedance: 75 ohms at 1 MHz
Connectors Video	Three (3) RCA jacks: Green (Y), Blue (Pb), Red (Pr). RCA shields are on common ground. Grounding screw available. RJ45 Shielded for twisted pair.
Connectors Audio	Two (2) RCA jacks for analog audio. RCA shields are on common ground
Pin Configuration <i>Reverse polarity sensitive</i>	Use EIA 568 A or B wiring standard and straight-through wiring
Compatibility	Not compatible with 500050/51/52/53/54/55/56/57/250/251/252/ 253
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	500058-WP-US Component Video/Stereo Audio Wall Balun UPC: 6-27699-92058-9

Component Video/Stereo Audio Wall Balun 500058-WP-US

Typical Application



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