

### 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

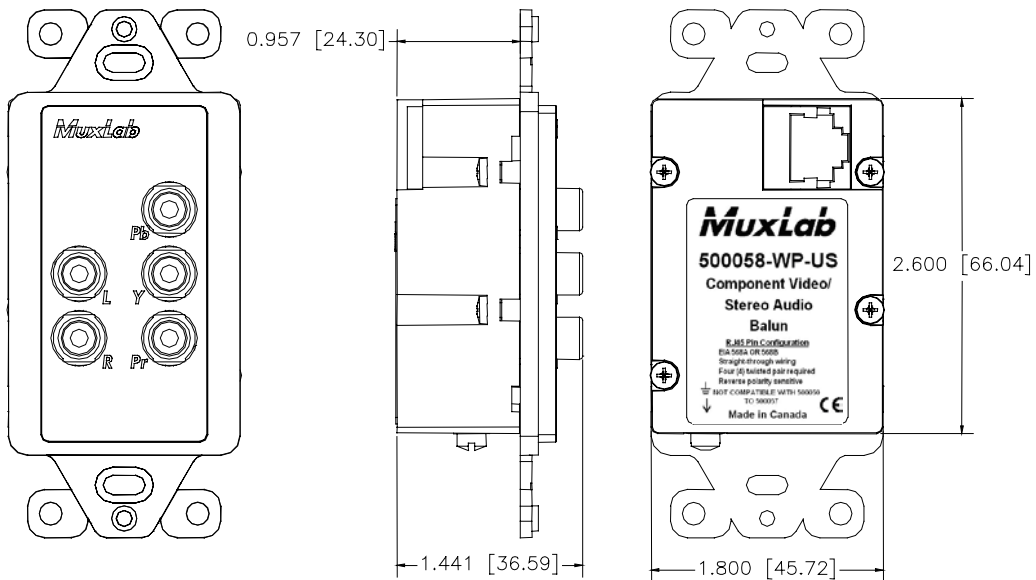
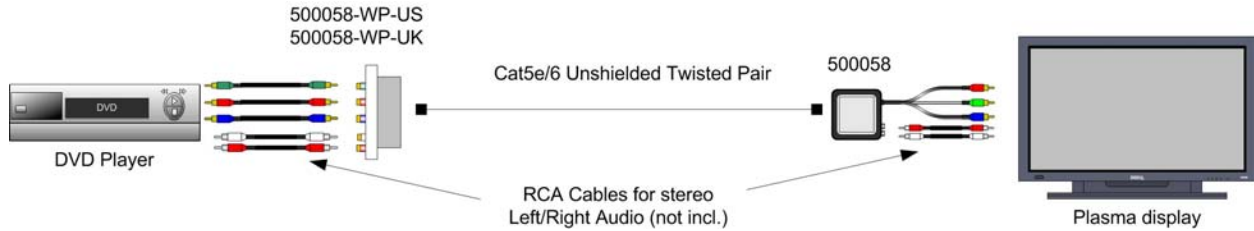
- Supports 720p/1080i/p up to 500 ft (152m) via Cat5E/6
- Supports true Hi-Fi left/right analog stereo audio
- Ground Loop Coupling (GLC) (*US Patent pending*)
- Decora™ compatible wall plate standard
- Modular shielded RJ45 connector

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

Specifications	
<b>Environment</b>	Component Video (YPbPr), RGB Video (sync on green). 480i/p, 720p, 1080i/p.
<b>Devices</b>	DVD players, satellite receivers, plasma displays, projectors, monitors, up-converters, amplifiers, switchers, home theatre & other equipment supporting HDTV component video and/or stereo audio.
<b>Transmission</b>	Transparent to the user
<b>Bandwidth</b>	Video (Y): DC to 60 MHz, 3 dB roll off Analog audio: 20 Hz to 20 kHz
<b>Maximum Input</b>	1.1 Vp-p
<b>Insertion Loss (Y channel)</b>	0.1 dB for 0.1 MHz. Gradually increasing to 2.5 dB over the frequency range
<b>Insertion Loss (Audio)</b>	Less than 2 dB over the frequency range per pair of baluns
<b>THD</b>	Less than 0.007% at 1 kHz
<b>Return Loss (Y channel)</b>	Greater than 15 dB over the frequency range
<b>Common Mode Rejection Ratio (Y channel)</b>	-55 dB at 0.1 MHz Gradually increasing to -20 dB at 60 MHz
<b>Ground Loop Coupling (GLC)</b>	Proprietary technique helps eliminate hum bars <i>US Patent Pending</i>
<b>Max. Distance via Cat 5E/6 UTP/STP Cable</b>	Video: 480i/p: 1,000 ft (305 m). 720p and 1080i/p: 500 ft (152 m) Stereo Audio: 3,250 ft (1 km)
<b>Cable: Cat 5E/6 UTP/STP</b>	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
<b>Cable: RCA</b>	Impedance: 75 ohms at 1 MHz
<b>Connectors Video</b>	Three (3) RCA jacks: Green (Y), Blue (Pb), Red (Pr). RCA shields are on common ground. Grounding screw available. RJ45 Shielded for twisted pair.
<b>Connectors Audio</b>	Two (2) RCA jacks for analog audio. RCA shields are on common ground
<b>Pin Configuration</b> <i>Reverse polarity sensitive</i>	Use EIA 568 A or B wiring standard and straight-through wiring
<b>Compatibility</b>	Not compatible with 500050/51/52/53/54/55/56/57/250/251/252/ 253
<b>Temperature</b>	Operating: 0° to 55°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
<b>Enclosure</b>	ABS fire retardant plastic, Color white, Finish glossy.
<b>Dimensions</b>	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.
<b>Weight</b>	4.1 oz (115 g)
<b>Compliance</b>	FCC, CE, Decora® faceplate.
<b>Warranty</b>	Lifetime
<b>Order Information</b>	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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