

## Overview

The Component Video/Stereo Audio Wall Balun (500058-WP-UK) 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 UK 86x86mm back boxes for neater wall mount installation.

Used in pairs or in conjunction with the 500058, the Component Video/Stereo Audio Wall 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

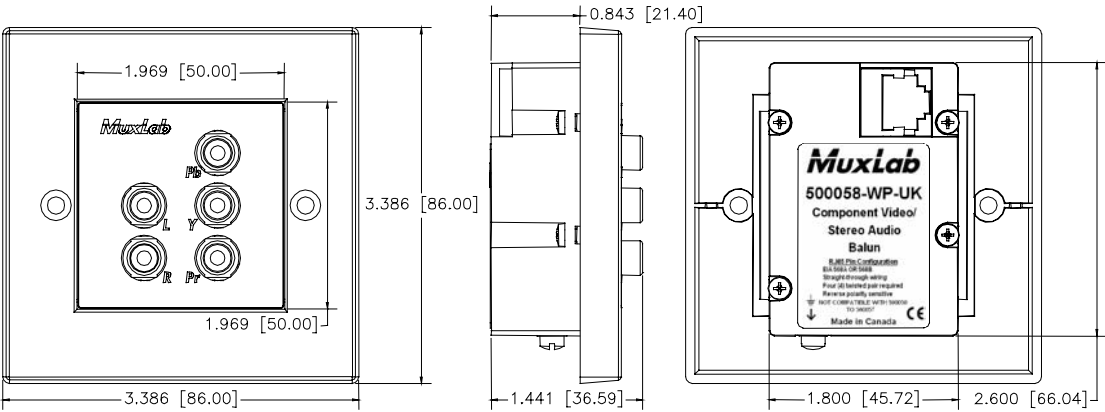
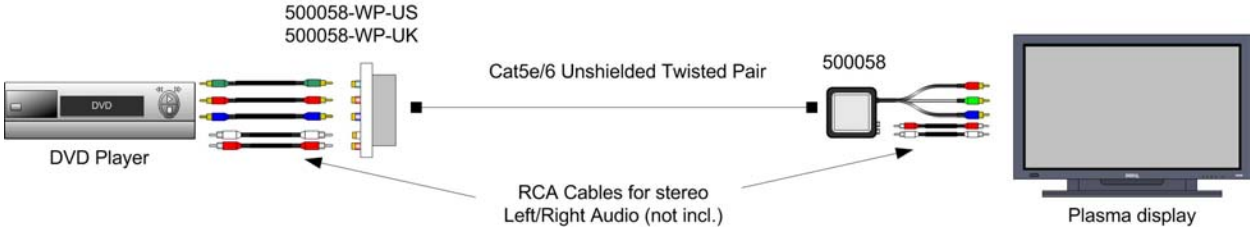
- Supports 720p/1080i/p up to 500 ft (152m) via Cat5e/6
- Supports true Hi-Fi left/right analog stereo audio
- Ground Loop Coupling (GLC) (*US Pat. # 8,299,649*)
- Compatible with UK 86x86mm back boxes
- Compatible with 50x50mm faceplate opening
- Modular shielded RJ45 connector

\* 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 # 8,299,649</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>	86 mm x 86 mm x 36 mm. Choose 40 mm deep back box to allow for Cat5e/6 wiring connection.
<b>Weight</b>	4.1 oz (115 g)
<b>Compliance</b>	FCC, CE, European Standard for 86 mm faceplate
<b>Warranty</b>	Lifetime
<b>Order Information</b>	500058-WP-UK Component Video/Stereo Audio Wall Balun UPC: 6-27699-91058-0

# Component Video/Stereo Audio Wall Balun 500058-WP-UK

**Typical Application**



**Head Office**  
 8495 Dalton Road, Mount Royal, Quebec, Canada, H4T 1V5  
 Tel: 514-905-0588 Fax: 514-905-0589  
 Toll-free: 877-689-5228  
 E-mail: [videoease@muxlab.com](mailto:videoease@muxlab.com)  
 URL: [www.muxlab.com](http://www.muxlab.com)