

Component Video/Stereo Audio Balun Extender

Operating Instructions

Overview

The Component Video/Stereo Audio Balun (COVSAB) allows one component video (YPbPr or RGB) signal and one Stereo Audio channel to be transmitted via one Cat5e/6 twisted pair cable for more cost-efficient cabling. Used in pairs or in conjunction with the COVSAB, the Component Video/Stereo Audio Balun supports high definition resolution and true left/right stereo audio for hi-fidelity commercial and residential AV applications and so on.

Applications

Rental & staging, venues
Camcorder connections
Mobile video production
Podium presentation systems.

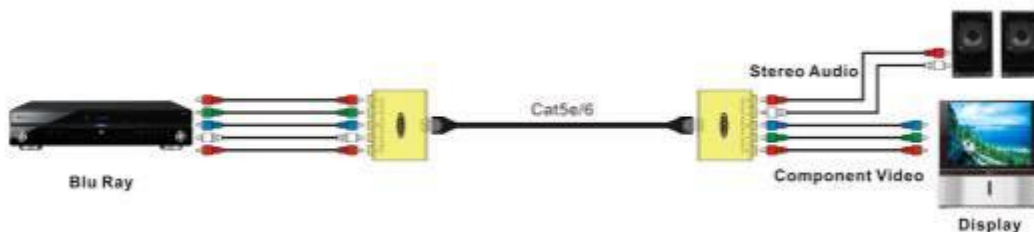
Features & Benefits

Supports 720p/1080i/p up to 500 ft (152m) via Cat5E/6
Supports true Hi-Fi left/right analog stereo audio up to 2,000 ft (667m) via Cat5E/6
More cost efficient cabling
Quicker moves, adds and changes

Quick Setup Guide:

Plug the RCA connectors of the transmit Balun into the Video and Audio outputs of the source component you wish to transmit. Plug the Video and Audio connectors from the receive Balun into your desired input component. Insert the CAT5 cable into both ends of the Baluns. You may use standard EIA 568A/B termination.

Typical Application



Specifications:

Environment	Component Video (YPbPr), RGB Video (sync on green). 480i/p, 720p, 1080i/p. Line level Stereo Audio.
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	Video: 1.1Vp-p, Audio : 1.1Vp-p
Insertion Loss per Pair (Y channel)	0.1 dB for 0.1 MHz. Gradually increasing to 2.5 dB over the frequency range
Insertion Loss per Pair (Audio)	Less than 2 dB over the frequency range per pair of baluns
THD	Less than 0.01% 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
Max. Distance Color 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: 2,000 ft (667m)
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: Coax	Impedance: 75 ohms at 1 MHz
Connectors	Three RCA-F connectors: Green (Y), Blue (Pb), Red (Pr) One RCA-F connector for analog audio RJ45 for twisted pair
Pin Configuration <i>Reverse polarity sensitive</i>	Red (Pr): Pins 7(R) & 8(T) Green (Y): Pins 4(R) & 5(T) Blue (Pb): Pins 1(R) & 2(T) analog Audio: Pins 3(R) & 6(T)
Temperature	Operating: 0° to 55°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
Enclosure	Aluminum alloy
Dimensions(packaging)	155mm*80mm*30mm (including one pair of Balun)
Weight(packaging)	250g

NOTE: Baluns are interchangeable for transmit or receive functions.