

## Overview

The Component Video/Digital Audio Balun (MB-COVDAB) allows one component video (YPbPr or RGB) signal and one Digital Audio signal to be transmitted via one Category 5e/6 twisted pair cable for more cost-efficient cabling. Used in pairs, the Component Video/Digital Audio Balun supports 480i/p, 720p and 1080i/p video formats for commercial and residential hi-definition (HDTV) video applications and so on.

## Applications

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

## Features & Benefits

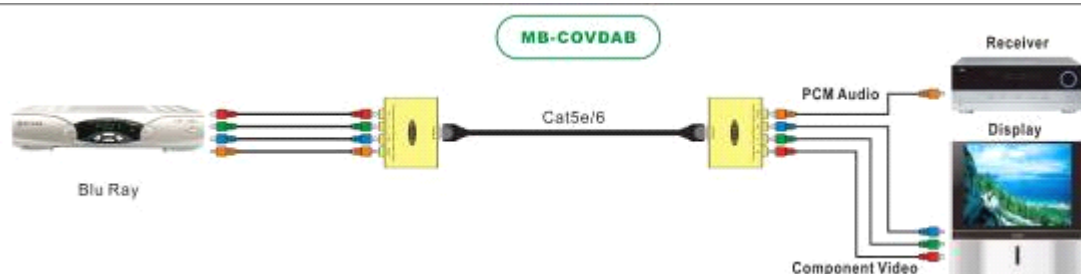
Supports 480i/p, 720p, 1080i/p  
Supports 480i/p up to 1,000 ft (305m) via Cat5E/6  
Supports 720p/1080i/p up to 500 ft (152m) via Cat5E/6  
Supports Digital audio on Third twisted pair up to 600 ft(200m)  
Cost-efficient cabling  
Quicker moves, adds and changes



## 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:

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Environment	Component Video (YPbPr), RGB Video (sync on green). 480i/p, 720p, 1080i/p. Line level Digital 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 Digital audio.
Transmission	Transparent to the user.
Bandwidth	Video: 60 MHz, 3 dB roll off Digital Audio: 25M Hz
Maximum Input	Video :1.1Vp-p, Audio :1.1Vp-p
Insertion Loss per Pair (Video)	0.1 dB for 0.1 M Hz Gradually increasing to 3.0 dB over the frequency range
Insertion Loss per Pair (Audio)	Less than 2 dB per pair over the frequency range
Common Mode Rejection Ratio (Audio)	Greater than 60 dB @ 1K Hz Greater than 40 dB over the frequency and distance range
Max. Distance Color via Cat 5E/6 UTP/STP Cable	480i/p: 1,000 ft (305 m) 720p and 1080i/p: 500 ft (152 m) digital audio: 600 ft(200 m)
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 Digital audio RJ45 for twisted pair
Pin Configuration <i>Reverse polarity sensitive</i>	Red (Pr): Pins 7(R) & 8(T) Green (Y): Pins 3(R) & 6(T) Blue (Pb): Pins 1(R) & 2(T) Digital Audio: Pins 4(R) & 5(T)
Temperature	Operating: 0° to 55°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
Enclosure	Aluminum alloy
Dimensions(packaging)	7.5*26*151mm(including one pair of Balun)
Weight(packaging)	170g

NOTE: Baluns are interchangeable for transmit or receive functions.