

CAT-5 Component+Audio Extender

SB-6330 TRANSMITTER

- Input : 1x Component Video (YPbPr)
1x Digital(Composite Video)-Stereo Audio
- Output: 2x CAT5 (Tx) Transmitter Distribution

Front View



Rear View



SB-6330R RECEIVER

- Input : 1x CAT5 Video (Rx), 1x CAT5 Audio (Rx)
- Output: 1x Component Video (YPbPr)
1x Digital(Composite Video)+Stereo Audio
1x CAT5 (Rx) Receiver

Front View



Rear View



Input : Component + Digital (Composite)-Audio

Power Input : SB-6330 +12V DC @300mA
SB-6330R +12V DC @300mA



Safety Notice!

To prevent damage to your television equipment use only the supplied AC Adaptor and make the power connections to your television.

Instruction Manual

SHINYBOW™ USA

CAT-5 COMPONENT+AUDIO EXTENDER

CAT-5 YUV+AUDIO

Video : Component Video(YPbPr)
Audio : Digital(Composite)+Audio

TRANSMITTER

SB-6330



RECEIVER

SB-6330R



CAT-5 YUV Series

CAT-5 Transmitter/Repeater/Receiver Series

Thank you for purchasing the YUV CAT5 SB-6330 Transmitter, SB-6330R Receiver. You will find this unit easy to install and highly reliable but it is essential that you read this manual thoroughly before attempting to use Extender.



Introduction

Congratulations on your purchase of one the The SB-6330 is CAT-5 Component and Audio TRANSMITTER via simple Category 5 (CAT5) UTP cable to transmit Component Video and Digital Audio or Composite Video and Stereo Audio for long distance connect to Component Video :

* Repeater of SB-6230R & SB-6340R

* Receiver of SB-6130R & SB-6330R. When connect To

Digital Audio(Composite Video) : * Repeater of SB-6235R or SB-6345R.

* Receiver of SB-6330R.

Transmitter(Tx) provide excellent overall performance and versatility. Its define a major advancement beyond using discrete op amps for transmit differential Component/Audio signals over twisted pair category cable. Use a triple, differential or single-ended input to differential output transmit. Specifically designed for YUV signals but can be used for any type of Video signals or high speed data transmission. Auto Tint and brightness control design on board. High speed amplifiers designed to operate three group signals with high performance quality of HDTV signals. The length to 1000 feet extend to REPEATER or RECEIVER for output to multiple high definition HDTV/plasma display. Use category 5 cable. Transmitter support double CAT5 outputs and one loop(Repeater) out port for preview AV sources by HDTV display on the same time. The terminators are Rj45 (Category 5) jack and Component-Digital-Audio sockets.

Before you make any connections

Make sure all Video devices to be connected to the CAT5 Transmitter/Repeater/Receiver are functioning according to their respective operation manuals before connecting them. Always connect the YUV devices to the CAT5 Tx/Rx one at a time and make sure each works just as it did before it was connected.

Supplied Accessories

Check that you have the following components in your converter pack ;

- (1) 1 x Instruction Manual
- (2) 1 x Transmitter or Repeater or Receiver
- (3) 1 x AC Adaptor : 12VDC, @300mA



Specifications :

Model Number	SB-6330 (Tx), SB-6330R (Rx)	
Tx, Rx Input/output	Transmitter & Receiver	
Type of Signals	Component Video (YPbPr) / Digital (Composite) / Stereo Audio	
Cable for CAT5,5e	YUV Resolution	Distance
	1080i (1920 x 1080)	450 feet
	720p (1080 x 720)	600 feet
	480p (720 x 480)	1000 feet
Video Bandwidth	Tx : 400 Mhz, 13dB full power, Rx : 270MHz 1090V/us@G=+1	
Tx slew rate	2000 V/us	
Video Maximum input levels	1.45 Vp-p	
Rx High input impedance	1 MΩ differential	
Audio Frequency response	20Hz to 20KHz, +/-1db	
Audio Maximum input levels	3.1 Vp-p(line level)	
Low distortion	Tx: 68dB SFDR@5 Mhz 200Ω load. Rx: 1 Vp-p@5MHz	
In/Out Terminal	Rj45 Jack, HD-15 and Ear phone Jack female connectors.	
Size (L,W,H)	2.75 in x 2.60 in x 1 in (70x66x26mm)	
Net Weight (Unit only)	0.4 lbs. (0.24kg) Approx.	
Power Consumed	SB-6330(@300mA), SB-6330R(@300mA)	
Power Source	DC 12 Volts, SB-6330(@300mA), SB-6330R(@300mA)	

Safeguards and Precautions

- A. Keep this unit away from fire, extremely hot areas, water or moisture of any Kind.
- B. Do not place this unit on any support that is not firm, level and strong.
- C. Do not service the unit yourself. Opening the unit's housing will void the warranty.
- D. Servicing must be by Shinybow or by an authorized technician.
- E. Illegal duplication of copyrighted material is strictly prohibited by Federal Laws.

Typical Hookup and Operation

SB-6330

Front View



Rear View



TRANSMITTER

Front:
Input : 1x Component Video(YPbPr)
1x Digital or (Composite)+Stereo audio

Rear :
Output : 1x CAT5 (Tx) Transmitter
1x CAT5 (Tx) Transmitter
Power Input : DC 12V, @300mA

SB-6330R

Front View



Rear View



RECEIVER

Front :
Input : 1x CAT5 (Rx) Receiver
1x CAT5 (Rx) Receiver
Power Input : DC 12V, @300mA

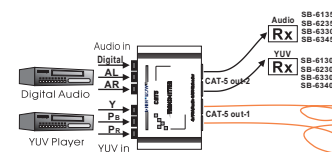
Rear :
Output : 1x Component Video(YPbPr)
1x Digital(Composite)+Stereo audio

Component Video-Digital(c omposite Video)-Stereo Audio Transmitter signals : 480p(720x480), 720p(1080x720), 1080i(1920x1080)

Installing

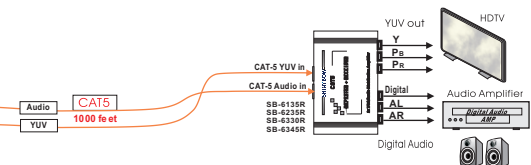
TRANSMITTER

SB-6330



RECEIVER

SB-6330R



APPLICATIONS:

TX : Video line driver, Digital line driver, Low power differential ADC driver, Signal-ended input to differential output driver
RX : High speed differential line receivers, Differential-to-single-ended converters, High speed instrumentation amps, level shifting.