

CAT-5 AV-Digital Audio Extender

SB-6235 TRANSMITTER

- Input : 1x Digital Audio or Composite Video
1x Stereo Audio (AR/AL)
- Output: 2x CAT5 (Tx) Transmitter



SB-6235R REPEATER+RECEIVER

- Input : 1x CAT5 (Rx) Receiver
- Output: 1x Digital+Audio or AV(Composite Video)
1x CAT5 (Tx) Repeater



Input : Digital Audio or Composite Video

Power Input : SB-6235 +12V DC @300mA

SB-6235R +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 A/V-DIGITAL EXTENDER

CAT-5 AV

Digital Audio (PCM) or Composite Video
Stereo Audio (AL/AR)

TRANSMITTER

REPEATER+RECEIVER

SB-6235

SB-6235R



CAT-5 A/V Series

CAT-5 Transmitter/Repeater/Receiver Series

Thank you for purchasing the YUV CAT5 SB-6235 Transmitter, SB-6235R 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 most innovative CAT5 Transmitter/Repeater/Receiver product on the market Today. The SB-6235 is a transmitter its driving Digital PCM or Composite Video and Stereo Audio signals over long lines by category cable to SB-6235R CAT5 receiver. high performance for Digital Audio (PCM) or Composite Video with Stereo Audio driving with a ADCs digital signal. Signals AV with a maximum extension of 1000ft between transmitter and receiver. And use category 5 cable. The terminators are RJ45 (Category 5) jack and Digital or composite video RCA jack.

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 digital Audio devices to the CAT5 Tx/Rx one at a time and make sure each works just as it did before it was connected.

Safeguards and Precautions

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

Supplied Accessories

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

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



Specifications :

Model Number	SB-6235 (Tx), SB-6235R (Rx+Tx)	
Tx, Rx Input/output	Transmitter & Repeater+Receiver	
Type of Signals	Digital Audio(PCM) or Composite Video / Stereo Audio (AR/AL)	
Cable for CAT5,5e	Driving Signals	Distance
	Digital Audio (PCM)	1000 feet
	Composite video	1000 feet
	Stereo Audio (AR/AL)	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 3.07 in x 1 in (70x78x26mm)	
Net Weight (Unit only)	0.4 lbs. (0.24kg) Approx.	
Power Consumed	SB-6235(@300mA), SB-6235R(@300mA)	
Power Source	DC 12 Volts, SB-6235(@300mA), SB-6235R(@300mA)	

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Typical Hookup and Operation

SB-6235

Front View



Rear View



TRANSMITTER

Front:
Input : Digital+Audio or Composite+Audio

Rear :
Output : 2x CAT5 (Tx) Transmitter
Power output : DC12V, @300mA

SB-6235R

Front View



Rear View



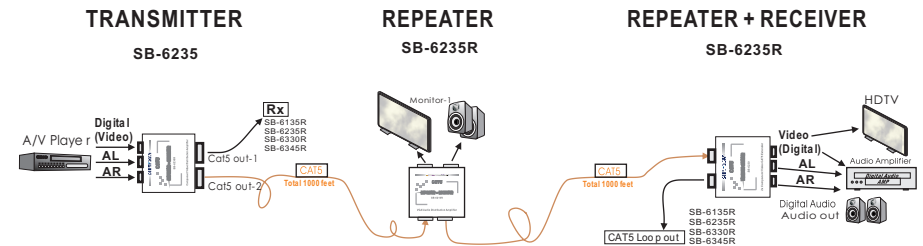
RECEIVER

Front :
Input : 1x CAT5 (Rx) Receiver
Output: 1x CAT5 (Tx) Repeater (Loop out)
Power Input : DC 12V, @300mA

Rear :
Output : Digital+Audio or Composite+Audio

Transmitter and Receiver signals : Digital Audio (PCM) or Composite Video, Stereo Audio(AR/AL)

Installing



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.