

CAT-5 AV-Digital Extender

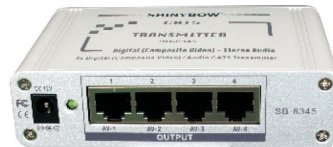
SB-6345 TRANSMITTER

- Input : 1x A/V Video(composite)+Stereo Audio
- Output: 1x A/V Video(composite)+Stereo Audio
4x CAT5 (Tx) Transmitter Distribution

Front View



Rear View



SB-6345R RECEIVER + REPEATER

- Input : 1x CAT5 (Rx) Receiver
- Output: 1x CAT5 (Tx) Repeater
2x A/V Video(c omposi te)+Ster eo Audi o Distributi on

Front View



Rear View



Input : Composite(Digital Audio)-Stereo Audio(AR/AL)

Power Input : SB-6345 +12V DC @300mA
SB-6345R +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 AV-DIGITAL EXTENDER

CAT-5 AV

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

TRANSMITTER

SB-6345

RECEIVER+REPEATER

SB-6345R



CAT-5 A/V Series

CAT-5 Transmitter/Repeater/Receiver Series

Thank you for purchasing the AV CAT5 SB-6345 Transmitter, SB-6345R Receiver+Repeater. 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 CAT5 Extender.



Introduction

Congratulations on your purchase of one the most innovative CAT5 Transmitter/Repeater/Receiver product on the market Today. The SB-6345 is a transmitter its driving AV signals (Composite Video or Digital Audio +Stereo Audio) over long lines by category cable to CAT5 component video receiver or repeater as model of SB-6135R, SB-6235R, SB-6330 and SB-6345R. There are use high performance HDTV A/V system for 480p-720p-1080i-1080p driving with a ADCs digital signal. Signals Composite Video as same path with Digital Audio (PCM) with a maximum extension of 1000ft between transmitter and receiver. And use category 5 cable. The terminators are Rj45 (Category 5) jack and Component video 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 AV 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-6345 (Tx), SB-6345R (Rx+Tx)	
Type of Signals	AV system , Composite video=Digital Audio(PCM)	
SB-6345 connect to Receivers list	SB-6135R, SB-6235R and SB-6345R	
Cable for CAT5,5e	AV Resolution	Distance
	1080i (1920 x1080)	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 connect ors.	
Size (L,D,H)	2.75 in x 4.40 in x 1 in (70x112x26mm)	
Net Weight (Unit only)	0.4 lbs. (0.24kg) Approx.	
Power Consumed	SB-6345(@150mA), SB-6345R(@150mA)	
Power Source	DC 12 Volts, SB-6345(@300mA), SB-6345R(@300mA)	

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Typical Hookup and Operation

SB-6345 TRANSMITTER



Front:
Input : 1x AV (Composite or Digital Audio)



Rear :
Output : 1x AV (Composite or Digital Audio)
4x CAT5 (Tx) Transmitter
Power output : DC12V, @300mA

SB-6345R RECEIVER + REPEATER



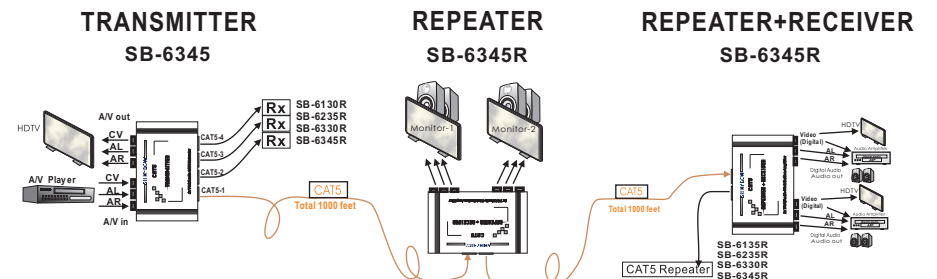
Front :
Input : 1x CAT5 (Rx) Receiver
1x CAT5 (Tx) Repeater
Power Input : DC 12V, @300mA



Rear :
Output : 2x AV (Composite or Digital Audio)
Distribution Amplifier

Transmitter signals : AV system as Composite Video=Digital Audio(PCM) + Audio 480p(720x480), 720p(1080x720), 1080i(1920x1080)

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.