

CAT5 VGA-Audio Extender

SB-6110

TRANSMITTER

- Input : 1x VGA(RGBHV) + Stereo Audio
- Output: 1x CAT5 (Tx) Transmitter

Front View



Rear View



SB-6110R

RECEIVER

- Input : 1x CAT5 (Rx) Receiver
- Output: VGA(RGBHV) + Stereo Audio

Front View



Rear View



- VGA : RGBHV
- Stereo Audio : AR, AL

Power Input : SB-6110 +12V DC @300mA
SB-6110R +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 VGA EXTENDER

CAT-5 VGA
VGA(RGBHV) & STEREO AUDIO

TRANSMITTER

SB-6110



RECEIVER

SB-6110R



CAT-5 VGA Series

CAT-5 Transmitter/Repeater/Receiver Series

Thank you for purchasing the VGA CAT5 SB-6110 Transmitter, SB-6110R 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.



RoHS
2002/95/EC

Introduction

Congratulations on your purchase of one the most innovative CAT5 Transmitter/ Repeater/Receiver product on the market Today. The SB-6110 is a transmitter its driving VGA signals over long lines by category cable to SB-6110R CAT5 receiver. high performance VGA(640x480), SVGA(800x600), XGA(1024x768), SXGA(1280 x1024), UXGA(1600x1200), WUXGA(1900x1200) driving with a ADCs digital signal. Signals VGA and stereo audio with a maximum extension of 1000ft between transmitter and receiver. And use category 5 cable. The terminators are RJ45 (Category 5) jack and VGA HD-15, Earphone 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 VGA 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.
- Service 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-6110 (Tx), SB-6110R (Rx)	
Tx, Rx Input/output	Transmitter & Receiver	
Type of Signals	VGA/Stereo Audio	
Cable for CAT5,5e,6	VGA Resolution	Distance
	SXGA (1280x1024)	450 feet
	XGA (1024 x 768)	600 feet
	VGA (640 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-6110(@100mA), SB-6110R(@100mA)	
Power Source	DC 12 Volts, SB-6110(@300mA), SB-6110R(@300mA)	

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Typical Hookup and Operation

SB-6110

Front View



Rear View



TRANSMITTER

Front:
Input : VGA+Stereo Audio

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

SB-6110R

Front View



Rear View



RECEIVER

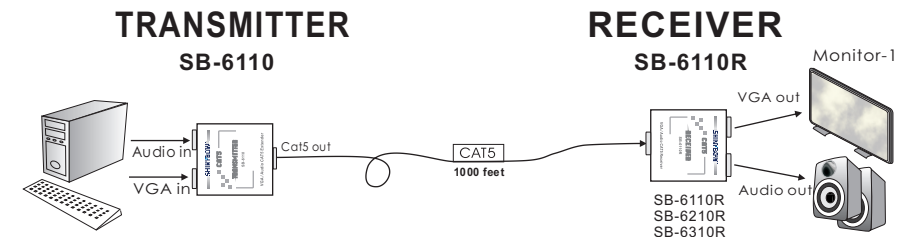
Front :
Input : 1x CAT5 (Rx) Receiver
Power Input : DC 12V, @300mA

Rear :
Output : VGA+Stereo Audio
Power output : DC12V, @300mA

VGA Transmitter signals :

VGA(640x480) , SVGA(800x600) , XGA(1024x768) , SXGA(1280x1024) , UXGA(1600x1200) , WUXGA(1900x1200)

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.