

CAT-5 VGA&Audio Extender

- SB-6310 TRANSMITTER**
 - Input : 1x VGA(RGBHV)+Stereo Audio
 - Outputs: 1x VGA(RGBHV)+Stereo Audio
 - 4x CAT5 (Tx) Transmitter Distribution



- SB-6310R REPEATER + RECEIVER**
 - Input : 1x CAT5 (Rx) Receiver
 - Output: 2x VGA(RGBHV)+Stereo Audio
 - Loop Output : 1x CAT5 (Tx) Repeater



- VGA : RGBHV
 - Stereo Audio : AR, AL

Power Input : SB-6210 +12V DC @300mA
 SB-6210R +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

CAT5 VGA EXTENDER

CAT-5 VGA

VGA(RGBHV) & STEREO AUDIO

TRANSMITTER

- SB-6310

REPEATER

- SB-6310R



CAT-5 VGA Series

CAT-5 Transmitter/Repeater/Receiver Series

Thank you for purchasing the VGA CAT5 SB-6310 Transmitter, SB-6310R 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 Extender.



Introduction

Congratulations on your purchase of one the most innovative CAT5 Transmitter/ Repeater/Receiver product on the market Today. The SB-6310 is a transmitter its driving VGA signals over long lines by category cable to SB-6310R CAT5 repeater and receiver two in one unit. High performance for VGA(640x480), SVGA(800x600), XGA(1024x768), SXGA(1280x1024), 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.
- 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-6310 Transmitter + 4 x CAT5 Distribution Amplifier	
	SB-6310R Repeater & Receiver	
Type of Signals	VGA-RGBHV & Stereo Audio (AR/AL)	
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 connect ors.	
Size (L,W,H)	2.75 in x 4.40 in x 1 in (70x78x26mm)	
Net Weight (Unit only)	0.48 lbs. (0.26kg) Approx.	
Power Consumed	SB-6310(@100mA), SB-6310R(@100mA)	
Power Source	DC 12 Volts, SB-6310(@300mA), SB-6310R(@300mA)	

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Typical Hookup and Operation

SB-6310



TRANSMITTER

Front:
Input : VGA & Stereo Audio
Output: VGA & Stereo Audio

Rear :
Output : 4x CAT5 (Tx) Transmitter
Power output : DC12V, @300mA

SB-6310R



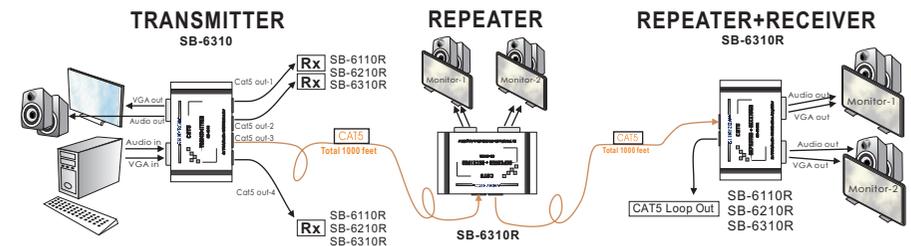
REPEATER +RECEIVER

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

Rear :
Output : 2x VGA/Stereo Audio Distribution
Power output : DC12V, @300mA

VGA Transmitter signals :

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



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.