

# CAT-5 VGA REPEATER+RECEIVER

## CAT-5 VGA-Stereo Audio Repeater(Rx)+Receiver(Rx) & 4x CAT-5 Distribution Amplifier

Receive from CAT-5 (Tx) > Output VGA(RGBHV) & Stereo Audio(AR/AL) and Support CAT-5 Repeater

### SB-6310R



### Input : CAT-5 (Rx)

### Output : 2x VGA & Stereo Audio + CAT-5 (Tx)

The SB-6310R is 2x VGA & Stereo Audio Distribution Amplifier CAT-5 Repeater+Receiver via simple Category 5 (CAT5) UTP cable to receive VGA/Audio signals for long distance connect from Transmitter of SB-6110, 6210, 6310. Rx provide excellent overall performance and versatility. For PC Resolution VGA(640x480), SVGA(800x600), XGA (1024x768), SXGA(1280x1024), UXGA(1600x1200), WUXGA(1900x1200). Its define a major advancement beyond using discrete op amps for transmit differential VGA/Audio signals over twisted pair category cable. Use a triple, differential or single-ended input to differential output transmit. Specifically designed for AV signals but can be used for any type of Video signals or high speed data CAT-5 receiver. Tint and brightness control are adjustable. High speed amplifiers designed to operate three group signals with high performance quality of HDTV signals. The length to 1000 feet extend from Transmitter and output to multiple high definition HDTV/plasma VGA display. Use category 5 cable. Repeater support double Component outputs and one loop out(Repeater) port for preview VGA sources by another place HDTV display on the same time. The Receiver are RJ45 jack.

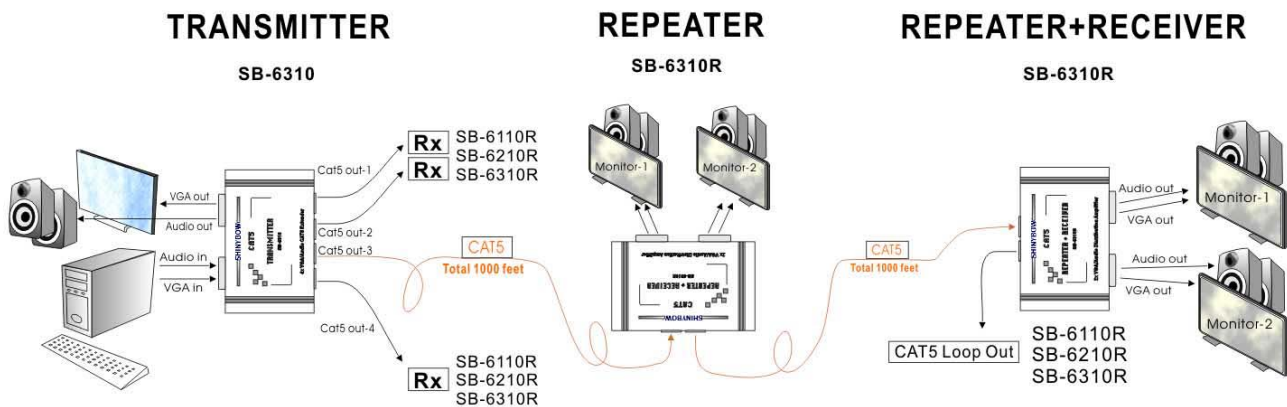
### Key Features

- Support VGA+Audio CAT-5 Repeater + Receiver
- Support 2x VGA+Audio Distribution Amplifier
- TINT & BRIGHTNESS control are Adjustable
- Support a Loop out function to Repeater or Receiver
- Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1900x1200)
- Long distance extend via CAT5
  1. 1000 feet for VGA resolution 640 x 480
  2. 600 feet for SVGA resolution 800 x 600
  3. 450 feet for XGA resolution 1024 x 768
- Reduce overall installed cost about 40%
- Transmitter/Receiver Support HDTV resolution 480p, 720p, 1080i
- Modular Component Video I/O configurations available in a variety of sizes
- Route and distribute VGA over CAT-5 Twisted-pair instead of costly individual cables
- Category UTP cable maximum length to 1000 ft
- Enclosure type : wall mount metal case with a pair of Ear mount racks
- Regulatory Approvals CE, FCC, RoHS(2002/95/EC)
- Support Lower power consumed full load under 150 mA

### Specifications

Type of CAT-5	Repeater & Receiver
Type of Signals	VGA & Stereo Audio
Video Bandwidth	225 Mhz, -3dB large signal bandwidth
	450 Mhz, -3dB small signal bandwidth
Support PC Resolution	VGA 640x480, SVGA 800x600 & XGA 1024x768
Slew Rate	1600V/μs
High isolation	Between Amplifier 80 dB @ 10 Mhz
Video in/out impedance	75 Ohms
Video Maximum in Levels	1.45 Vp-p
Settling time	50ns to 0.1%
Gain Flatness	0.1 dB to 20 Mhz; R=150Ω
Differential Gain Error	0.01%, Differential Phase Error 0.02°
Loop out function	Support one Loop Output port (Repeater)
Low distortion	-80 dBc total harmonic @ 1 Mhz; RL=100Ω
In/Out Terminal	Rj-45 Jack, Color-coded RCA female connectors.
Dimensions (W.D.H.)	4.40 " (112mm) x 2.75 " (70mm) x 1 " (26mm)
Net Weight (Unit Only)	About 625 gwm (with metal case)
Power Voltage Input	DC 12V @ 300 mA or up to ~ 1 A accepted

### Installing



### Order Information

Item Number	Accessories (Packaged)	Part Number	Accessories (non - Packaged)
• SB-6310R	Repeater&Receiver-VGA+Audio CAT-5		
• MPA-SW300CAS	Switch Adaptor : 12VDC.@300mA.		