

## CAT-5 VGA-AUDIO Transmitter (Tx) + 2x CAT-5 (Tx) Distribution Extender

Distribution signal VGA(RGBHV) & Stereo Audio(AR/AL) for 1000 feet distance

### SB-6210



**Input : VGA+Stereo Audio**  
**Output : 2x CAT-5 (Tx)**

The SB-6210 is 2x VGA/Audio CAT-5 Extender TRANSMITTER(Tx) via simple Category 5 (CAT5) UTP cable to transmit VGA/Audio for long distance connect to Repeater of SB-6210R & SB-6310R or to Receiver of SB-6110R.  
Transmitter(Tx) provide excellent overall performance and versatility. The 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 and Stereo Audio signals over twisted pair category cable. Use a triple, differential or single-ended input to differential output transmit. Specifically designed for VGA and Stereo Audio signals but can be used for any type of Video signals or high speed data transmission. Auto TINT and BRIGHTNESS control design. High speed amplifiers designed to operate three group signals with high performance quality of HDTV signals.  
The length to 1000 feet extend to REPEATER or RECEIVER for output to multiple high definition HDTV/plasma VGA display. Use category 5 cable. Transmitter support double CAT5 outputs and one loop(Repeater) out port for preview VGA sources by HDTV display on the same time. The terminates are RJ45 (Category 5) jack.

### Key Features

- Support VGA-RGBHV & Stereo Audio CAT-5 Transmitter Extender
- Support 2x VGA/Audio CAT5 Distribution Amplifiers
- Support PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1900x1200)
- Transmitter/Receiver Modules provide high-quality signal transmission of AV or Digital Audio over 1000 feet on each side of Player and display
- 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 rack
- Regulatory Approvals CE, FCC, VCCI & RoHS(2002/95/EC)
- Support Lower power consumed full load under 120 mA

### Specifications

Type of CAT-5	Transmitter
Type of Signals	VGA (RGBHV) & Stereo Audio(AR/AL)
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
Output balance error	-60 dB @ 50 Mhz
High isolation	Between Amplifier 80 dB @ 10 Mhz
Video Maximum in Levels	1.45 Vp-p
Audio in impedance	10K Ohms
Audio Frequency response	20Hz to 20KHz, +/-1db
Audio Maximum in levels	3.1 Vp-p(line level)
Loop out function	Support one Loop Output port
Low distortion	-80 dBc total harmonic @ 1 Mhz; RL=100Ω
In/Out Terminal	Rj-45 Jack, VGA DB-15P female connectors & Ear phone jack.
Dimensions (W.D.H.)	3.07" (78mm) x 2.75" (70mm) x 1" (26mm)
Net Weight (Unit Only)	About 610 gwm (with metal case)
Power Voltage Input	DC 12V @ 300 mA or upto ~ 1 A accepted

### Installing



### Order Information

Item Number	Accessories (Packaged)	Part Number	Accessories (non - Packaged)
• SB-6210	Transmitter - VGA-Audio CAT-5 Extender		
• MPA-SW300CAS	Switch Adaptor : 12VDC, @300mA.		