

# Long Range VGA & Speaker Receiver

## Model: VGAE1R

The VGAE1R VGA video and audio receiver is the remote device in the VGA and audio transmission system that allows transmission of VGA video and audio signal via Unshielded Twisted Pair (UTP) cable. VGAE1R receives one channel of VGA & Audio via UTP and provides two pairs of VGA & audio outputs. The unit is compatible with VGAE1T and VGAE4T transmitters with a transmission distance up to 1000ft / 300m. With brightness and contrast adjustments, the video quality can be assured in different distances with a standard resolution of 1024x768 and up to 1600x1200 @ 60Hz for 500ft / 150m.

### Features:

- Transmission Distance up to 1000ft / 300m
- VGA video & audio signal transmission via UTP cable (CAT5 / CAT5e).
- Built-in brightness and contrast adjusters
- Provides two sets of VGA video & audio outputs
- Quality stereo audio
- High video resolution depends on the length and quality of UTP cable with standard resolution 1024x768 and up to 1600x1200 @ 60Hz
- Exceptional interference rejection
- Built-in transient protection
- Multi-platform support; supports PC, Mac, Sun, and Linux systems
- Supports VGA, SVGA, XGA, SXGA, and Multi-sync monitors
- OS Support: Windows 2000 / XP / Linux / Mac / Sun
- 12V DC Power

### Components are Made In USA for this product:

Name of Component	Manufacturer
Video Signal Disposal IC Audio Signal Disposal IC	Intersil
DCDC Power IC	National Semiconductor
LDO Power IC	ST Microelectronics

**R&D Designed in Taiwan**  
**Assembled in China**

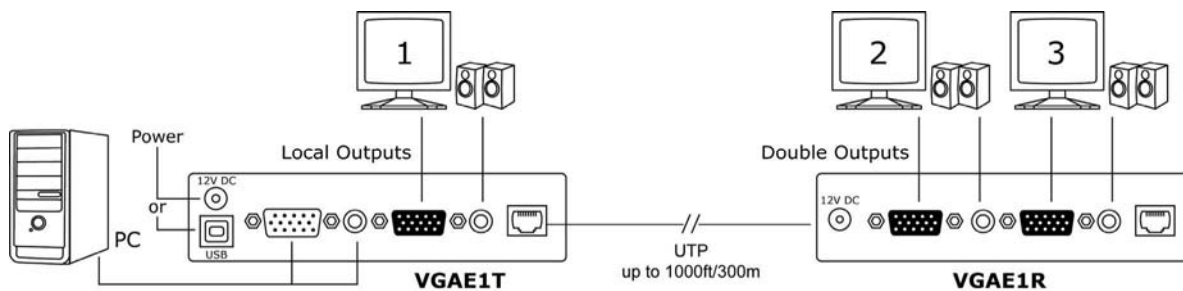


Front



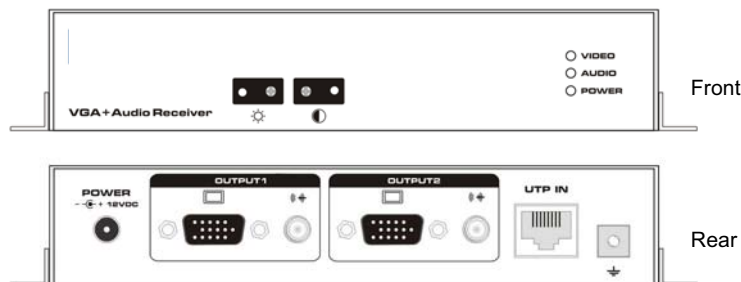
Rear

### Application Diagram:



VGAE1R	Max. Distance via UTP Cable	Hz
800x600 pixels	1148ft / 350m	60Hz
1024x768 pixels	1000ft / 300m	60Hz
1280x1024 pixels	650ft / 200m	60Hz
1600x1200 pixels	500ft / 150m	60Hz

## Panel View:



## Specification:

Model		VGAE1R
Power Properties	Voltage	12V DC
	Power Consumption	5W
	Connectors	DC Jack
Video Properties	Output Connectors	15-pin HDB Female (Black) Resistance: 75 Ohms
	Signal Input Connector	RJ45
	Signal Transmission Band	<350 MHz (-3dB)
	Linear Distortion	< 3%
	Synchronous Signal	0V ~ 5V, TTL PWL
	Synchronous Signal Band	1K~200 KHz
Audio Properties	Connectors	3.5mm Audio Jack
	Output Resistance	600 Ohms
	Band	10 ~ 20 KHz
Indicators	Video / Audio / Power LED	Green / Yellow / Red
Stability	MTBF	> 20,000h
Physical Properties	Dimensions (LxWxH)	6.30" x 3.35" x 1.26" 160mm x 85mm x 32mm
	Housing Material & Color	Metal, Black
Weight	Net Weight	0.96 lbs / 435g
Environment	Operating Temperature	32°F ~ 122°F / 0°C ~ 50°C
	Relative Humidity	10 ~ 85%
	Storage Temperature	14°F ~ 176°F / -10°C ~ 80°C
Accessories	Power Adaptor	Outputs 12V DC, 1Amp Inputs 90V ~ 250V AC
	Others	2x Mounting Bracket, 4x screws

\*Specifications are subject to change without notice.

**FCC CE RoHS**

**R&D Designed in Taiwan**

**Components are Made in USA:** Video Signal Disposal IC & Audio Signal Disposal IC (Intersil), DCDC Power IC (National Semiconductor), LDO Power IC (ST Microelectronics)

**Assembled in China**



### Caution:

- All devices must be properly grounded.
- Do not handle the unit with wet hands.
- The unit is not waterproof and should not be used outdoors.