

# CAT5 VGA & Audio Long Range Distribution Amplifier SERIES

ITEM NO.: VE02A , VE05A, VE02AR

VE02A, VE05A are designed for long range VGA & Audio distribution over cost effective CAT5 UTP cable. One or multi video input to multi output, with one VGA LOOP output (VGA cable) for local side, others are RJ45 output (CAT5 UTP cable) at remote side. All of them built in amplifiers for long- range VGA signal transmission up to 300 meters when work with VE02AR VGA receiver at remote side. Ideal for classrooms video distribution, lecture halls, retail kiosks, video information displays, overhead projector systems, PC-training systems, and tradeshows PC demo systems.

## Features:

### VE02A 1 Input to 2 Output VGA & Audio CAT5 Distribution Amplifier

- Each set including one piece VE02AT transmitter and one piece VE02AR receiver.
- **Dual output: 1 x VGA loop output for local, plus 1 x CAT5 RJ45 output for remote side.**
- Use **CAT5 cable** instead of VGA and audio cable.
- **Long range transmission up to 300 meters (Max.)**
- Built in contrast, brightness adjustment at receiver.
- Supports up to 1600x1200 @85Hz.

### VE05A 1 Input to 5 Output VGA & Audio CAT5 Distribution Amplifier

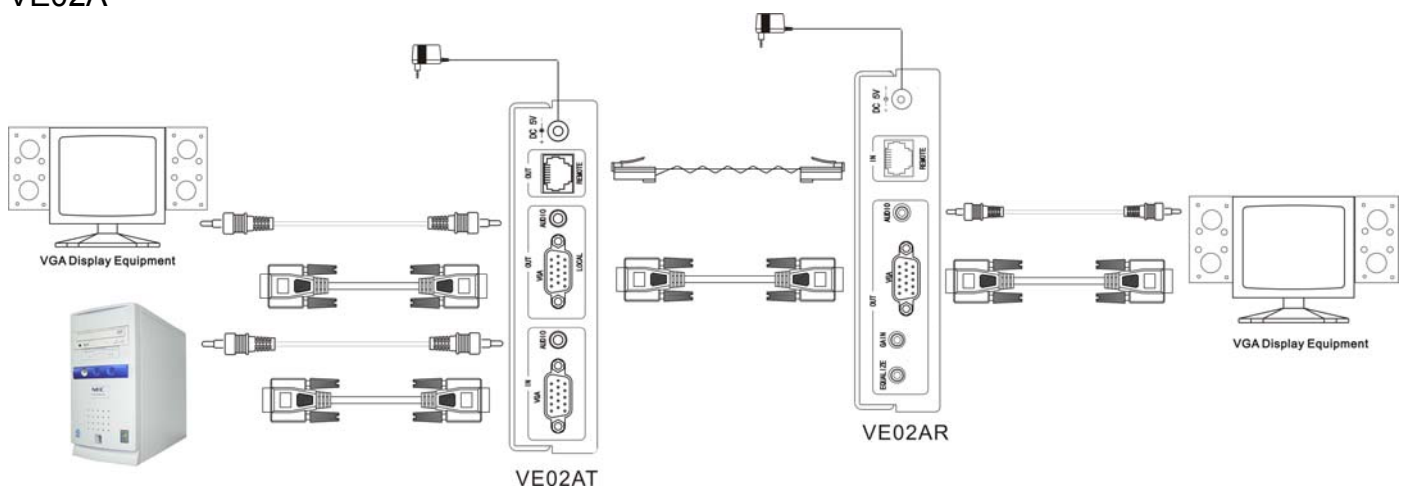
- Each set including one piece VE05AT transmitter and one piece VE02AR receiver.
- **Dual output: 1 VGA loop output for local, plus 4 x CAT5 RJ45 output for remote side.**
- **Each VGA display equipment request one VE02AR receiver at remote side. (Order separately).**
- Use **CAT5 cable** instead of VGA cable.
- **Long range transmission up to 300 meters (Max.)**
- Built in contrast, brightness adjustment at VE02AR receiver.
- Supports up to 1600x1200 @85Hz.

### VE01AR VGA & Audio CAT5 Receiver (VE05A Option model)

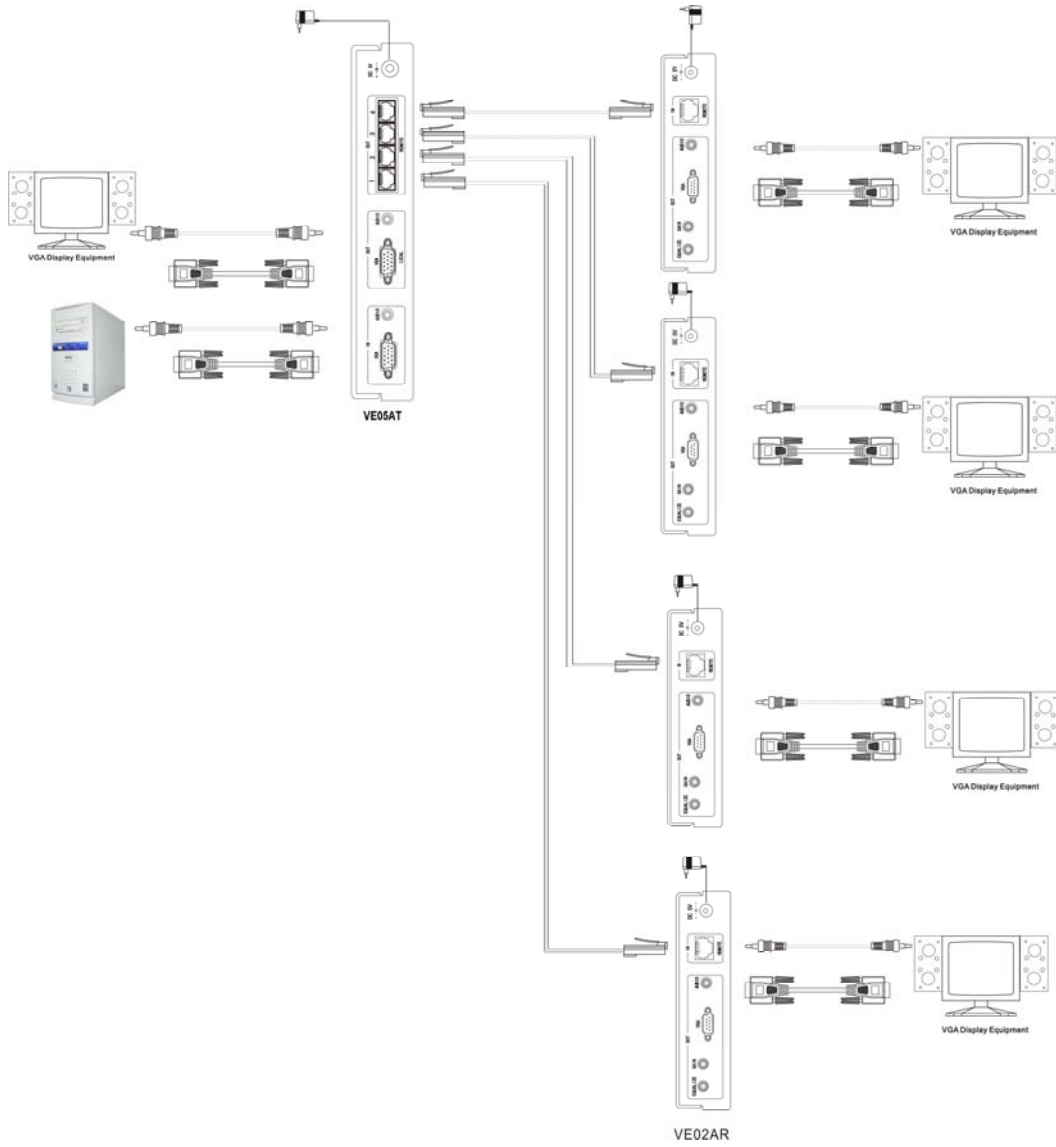
- **Work with VE05AT as receiver for extra remote VGA display equipment.**
- Built in contrast, brightness adjustment
- Supports up to 1600x1200 @85Hz.
- Long range transmission up to 300 meters (Max.)

## Installation View:

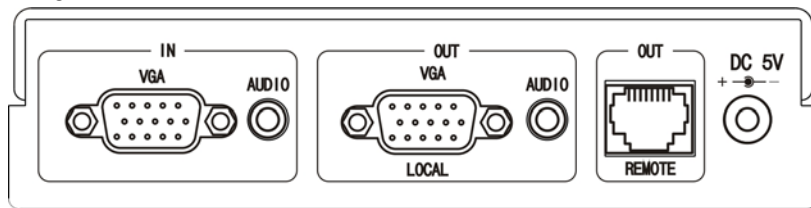
VE02A



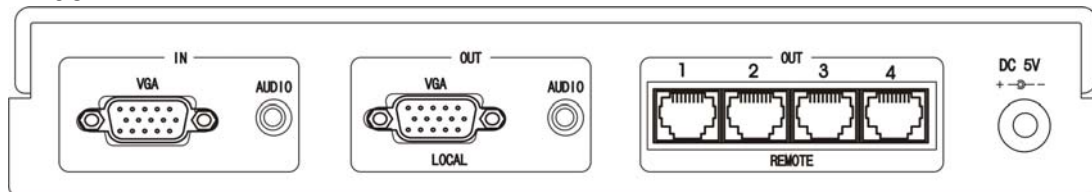
# VE05A



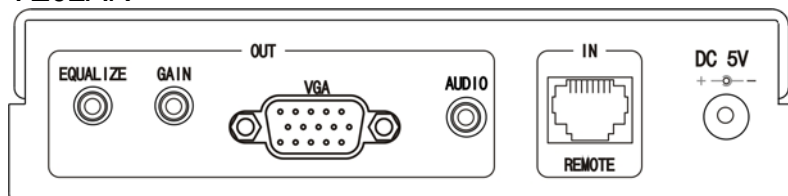
## Panel View: VE02AT



## VE05AT



## VE02AR

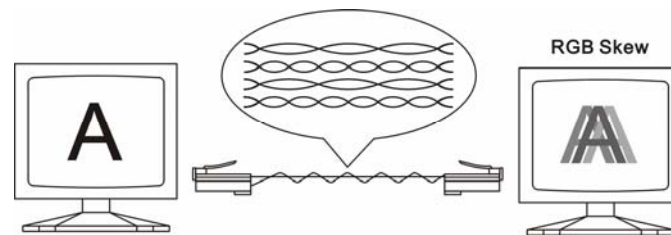


## Specification:

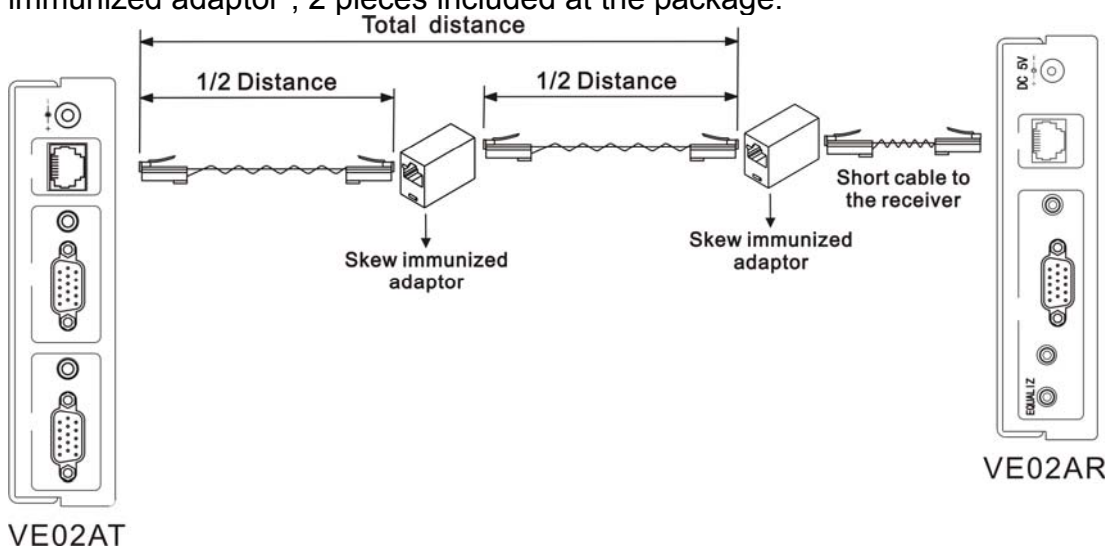
ITEM NO.	VE02A	VE05A
Support Resolution	Up to 1600 x 1200 @ 85 Hz	
Transmission Distance	Up to 1000 ft. (300 m)	
Video Amplifier Bandwidth	Local : 750MHz	Remote : 350MHz
Video Input Signals	RGB Analog (75Ω, 0.7Vp-p) Sync Signal H/V Separated (TTL)	
Horizontal Frequency Range	30-95KHz	
Vertical Frequency Range	50-180Hz	
VGA Connector	15-pin Mini D-Sub (High Density)	
Link Connector	1 x RJ-45	4 x RJ45
Power Supply	5V DC 1200mA	
Power Consumption	VE02AT 350mA (Max) , VE05AT 700mA (Max), VE02AR 500mA (Max)	
Temperature	Operation: 0 to 55°C, Storage: -20 TO 85°C, Humidity: up to 95%	
Dimensions W x H x D mm	VE02AT: 145 x 96 x 37, VE05AT: 225 x 165 x 40, VE02AR: 145x96x37	

## Installation Tips:

1. Due to the inside of CAT5 cable that the pairs of wires are twisted at different rates, AND the different quality on cable itself and installation that will cause different signal arrival time at each pair. If there are big different at arrival time, that will cause RGB skew status.. This is seen on the monitor as separation, or lack of convergence in colors. Normally it happens on long CAT 5 cable runs.



2. Recommend to use following cabling way to reduce skew status, to add special made "skew immunized adaptor", 2 pieces included at the package.



**CAUTION:** to avoid display equipment damaged, be sure to make correct cable connection and power for both VE02AT, VE05AT , VE02AR before connecting VE02AT, VE05AT, VE02AR.