

# Audio & Video Multi-Port Active CAT5e/6 Ext. Kit



## USER MANUAL

Read this manual thoroughly, and follow the installation and operation procedures carefully to prevent any damage to the unit, and/or any of the devices connected to it.

### VA-EXK Starter Kit:

- (1) 4-Port Transmitter Module
- (1) Receiver/Repeater Module
- (2) DC 12v 1.2A Universal Power Adaptor
- User Manual

### VA-EXR RX Expansion Module:

- (1) Receiver/Repeater Module
- (1) DC 12v 1.2A Universal Power Adaptor
- User Manual

[SOLID CAT5E IS REQUIRED. CAT6 IS RECOMMENDED]

## OVERVIEW

Broadcast audio & video to multiple locations simultaneously using AV Multi-Port Active CAT5e/6 Distribution Amplifier (D/A) Extender Kit. Its built-in video extender ensures clear and sharp images as far as 1,000ft away from your CPU. Use it to enhance your presentations as well as broadcasting of real-time data. It is ideal for classrooms and training facilities, remote security monitoring and digital signage applications. To ensure the best video integrity, it has a 150MHz video bandwidth that supports resolution of up to 1600x1200 @ 60Hz.

In addition, the D/A Extender Kit can be daisy chained up to three levels to connect as many as 17 monitors and speakers, making it an excellent solution for public broadcast systems.

## FEATURES

- Economical A/V extender in wall mountable modules
- Provides pass-thru port for local monitor and speaker
  - TX also provides 4 expansion port
  - RX has built-in 2-Port D/A and daisy chain port
  - RX provides equalization and gain control
- Works with flat panels, projectors and HDTV's
- Connect large monitors with HD15 input port
- Supports VGA/UXGA up to 1600x1200 @ 60Hz
- Cascade capability provides for future expansion
- Compact design with shielded metal casing
- One Year Limited Warranty

## Note:

1. If you connect a DDC type monitor to Video-Out Port 1, all other monitors must be able to support the highest resolution of that DDC monitor.
2. This designed for VGA/UXGA, and Multisync monitors. It is not suitable for CGA, EGA, or MONO-type monitors, or those that use digital video signals like DVI-D or DFP.
3. For maximum performance, install it away from devices that produce high heat or electrical noise. Keep well ventilated.

## RECOMMENDED CABLES

CC388MA Series - an HD15M/M triple shielded high quality video cable with audio to connect your computer to distribution amplifier/extender. It is available in standard lengths of 3, 6, 10, 15, 25, 35 & 50ft. (Must be purchase separately.)



## SPECIFICATIONS

Function	Specification
Cable Distance (D/A to Display)	1,000ft max.
Max Resolution	1600x1200 60Hz
Max Bandwidth	150 MHz
Signal Type	VGA/UXGA, Multisync
Horizontal Frequency	30 – 110KHz
Vertical Frequency	56 – 85Hz
Operating Temperature	5 – 40° C
Storage Temperature	-20 – 60° C
Humidity	0 – 80% RH, Non-condensing
Housing	Metal

## INSTALLATION

1. Use a high density HD15 male/male video and 3.5mm audio cable (CC388MA) to connect the PC's audio & video port to the Audio-In and Video-In port of the distribution amplifier.
2. Use a high density HD15 male/male video and 3.5mm audio cable (CC388MA) to connect the display and speaker to receiver's Audio-Out and Video-Out ports.
3. Connect the TX module to the RX module using a solid CAT5e or CAT6 cable with **T568B wiring termination**.
4. Plug the power adaptors into an AC source
5. Turn on the monitors and the PC.
6. Adjust Gain (brightness) and EQ (cable equalization) as needed.

## DISTANCE RESOLUTION MATRIX

Please use the listed resolution matrix as a guide for setting the monitors. Some results may vary depending on the frequency, type and size of displays.

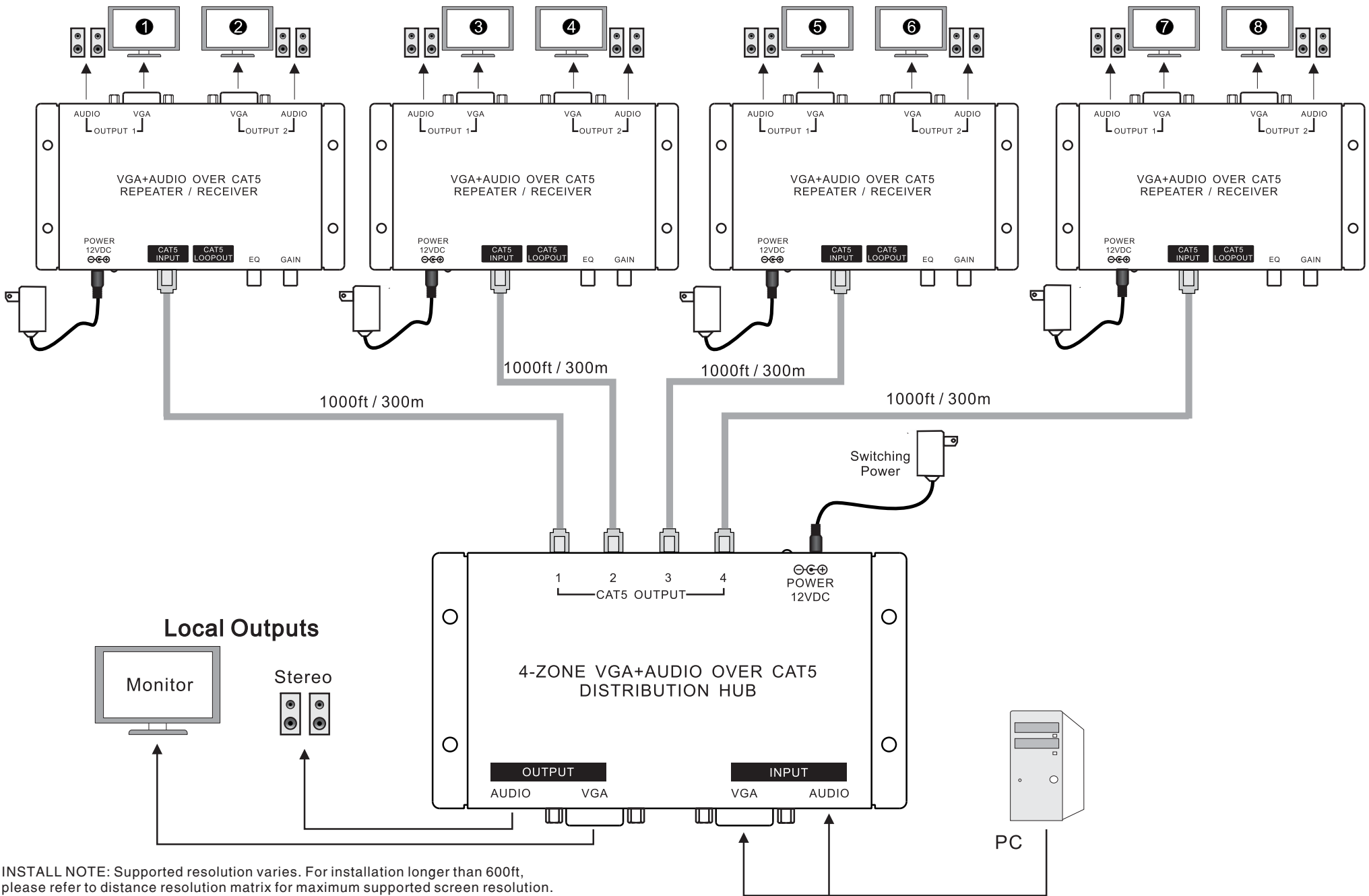
Up to 1600 x 1200 @ 60Hz	Up to 330ft
Up to 1280 x 1024 @ 60Hz	Up to 395ft
Up to 1024 x 768 @ 60Hz	Up to 590ft
Up to 800 x 600 @ 60Hz	Up to 660ft
Up to 640 x 480 @ 60Hz	Up to 1,000ft

## DAISY CHAINING

Connect additional RX modules to an existing RX module's CAT5 loop-out port. You can expand up to 3 levels.

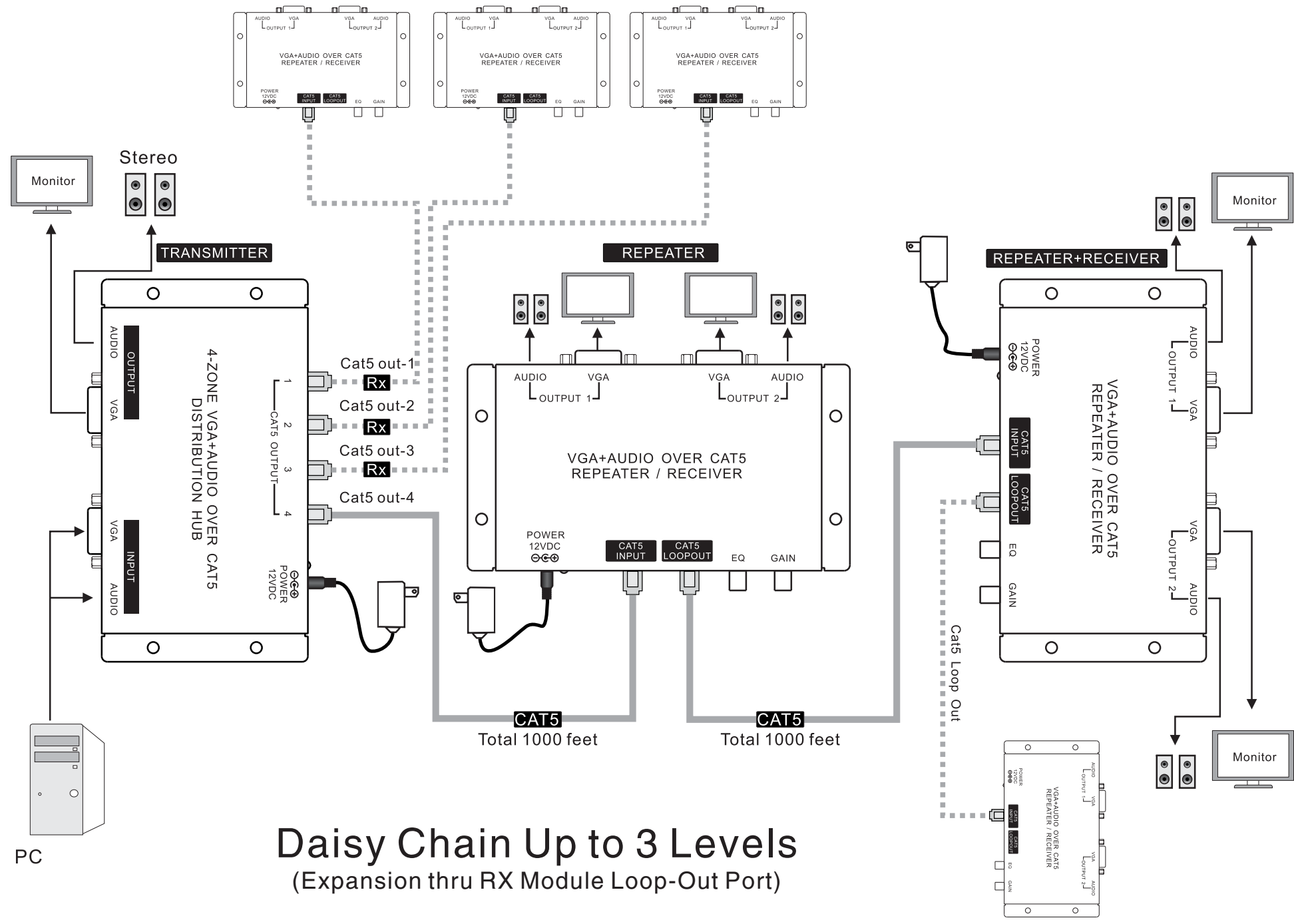
**For additional technical support, send an email to: [support@qvs.com](mailto:support@qvs.com).**

# INSTALLATION DIAGRAM:



INSTALL NOTE: Supported resolution varies. For installation longer than 600ft, please refer to distance resolution matrix for maximum supported screen resolution. Solid CAT5e cable is required, CAT6 cable is recommended.

# INSTALLATION DIAGRAM:



**Daisy Chain Up to 3 Levels**  
 (Expansion thru RX Module Loop-Out Port)