

VGA switch & extender with Audio & Remote User's Manual

VS-221AR/VS-441AR

Version 1.1 2008/02/22

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1. Introduction

Thank you for purchasing the **2/4 port Matrix VGA Switch & Extender with Audio & Remote!** We recommend that you read this manual thoroughly and retain for future reference.

1.1 Features

The **2/4 port Matrix VGA Switch & Extender with Audio & Remote** allows you to display up to four computer's video inputs on two or four monitors or projectors. Daisy-chain more than one switcher to expand the number of computers you can connect. With the built-in video signal enhancement, you can place the monitor up to 210 feet away while maintaining your video quality .No software is required and PC selection is easy. Switch between computers via push buttons or use the remote control for PC selection from up to 6 feet away. From use in test bench facilities, data centers and help desks, to classrooms, and multi-media centers, the **2/4 port Matrix VGA Switch & Extender with Audio & Remote** delivers both performance and value.

- 1. Display up to four video inputs from two or four computers on two or four monitors or projectors.**
- 2. PC selection via push buttons or IR remote control**
- 3. IR remote control allows you to switch outputs from up to 6 feet away**
- 4. Support Daisy-chain to expand the number of computers connection up to 3 layers.**
- 5. Enhance video signal enhancement allows monitor to be placed up to 210 feet away**
- 6. Supports video resolutions up to 2048x1536**
- 7. Suitable for VGA, SVGA, XGA, SXGA, UXGA, and Multisync monitors**

1.2 Package Contents

- 1. VGA switch & extender**
- 2. Power Adaptor DC5V1A**
- 3. IR Remote controller**
- 4. User manual**

2. Specifications

2.1 General

| VS221AR/VS441AR Specification | | |
|--------------------------------|---------|--|
| Number Of Computers Controlled | | 2 or 4 computers |
| Selection Method | | Push Button or IR Remote Control |
| LED indicators | | Green for PC Selected Green for PC ON-Line |
| PC connector ports | Video | 2 or 4 x HDB-15 female |
| | Speaker | 2 or 4 x Stereo speaker jacks |
| Console Ports | Video | 2 or 4 x HDB-15 female |
| | Speaker | 2 or 4 x Stereo speaker jacks |
| DDC, DDC2 monitor | | Yes (Max. Resolution: 2048x1536)@85Hz |
| Maximum Bandwidth | | 450 MHz |
| Power | | DC 5V 2A |
| Dimensions (LxWxH) | | VS-221AR:14 x 8.5 x 4.5 (cm) VS-441AR:21.5 x 8.8 x 4.5 (cm) |
| Unit Weight | | 400 g (VS-221AR) /620 g (VS-441AR) |

3. Connecting the VGA Switch

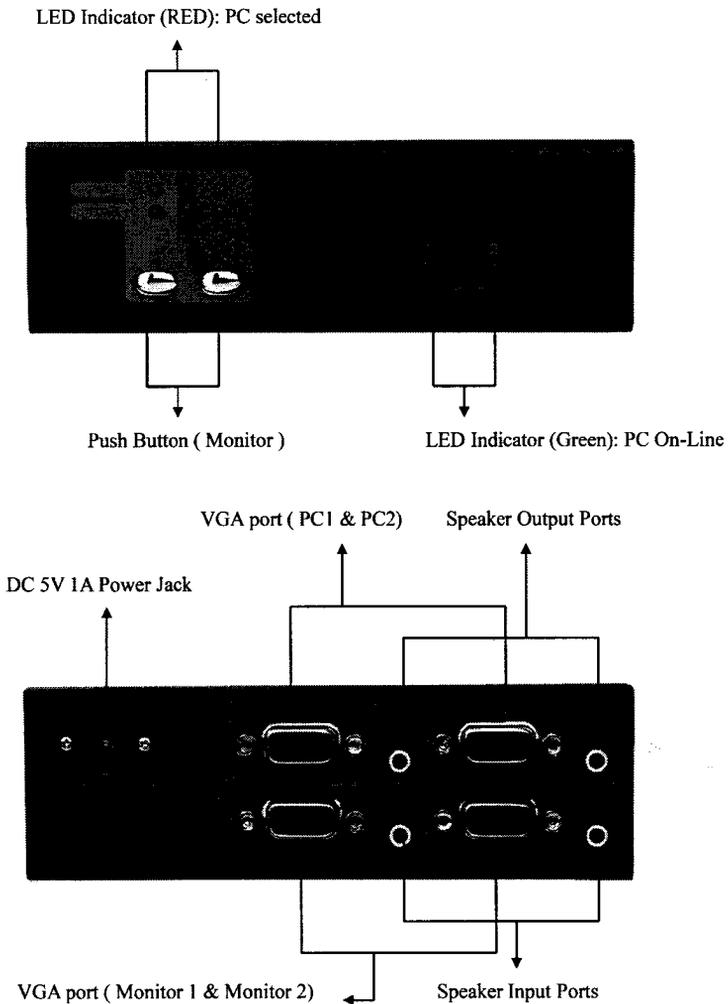
3.1 System Requirements

1. Requires two or four HDB15 male to male cables to connect your monitors or projectors through HDB15 female ports
2. Requires two or four HDB15 male to male cables to connect your computers through HDB15 female ports

3.2 Connection

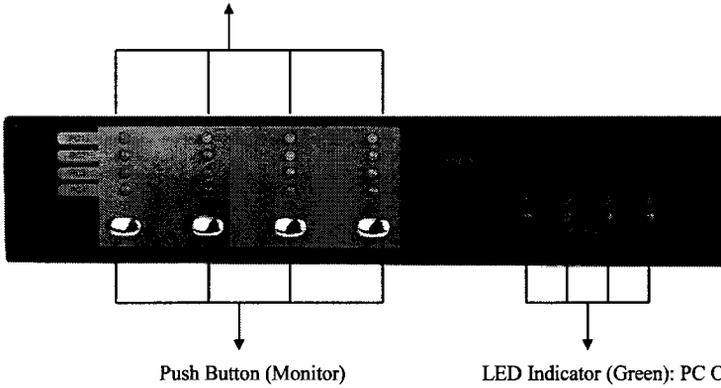
3.2.1 Diagram of connections

VS-221AR



VS-441AR

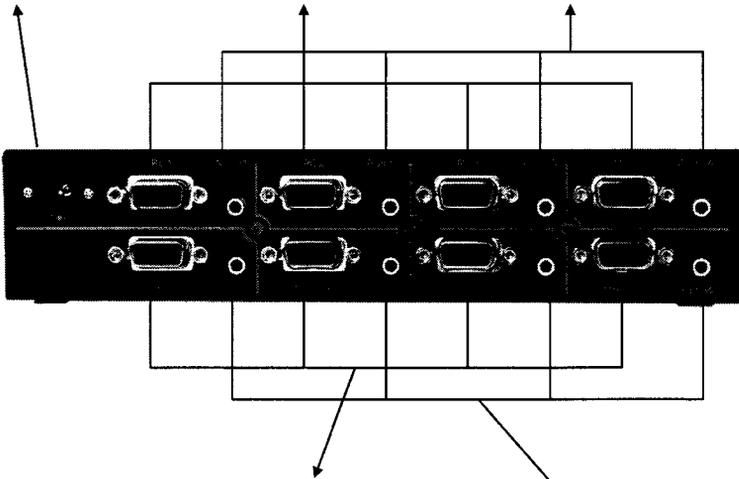
LED Indicator (Green): PC (Audio Inputs) selected for each monitor connected



DC 5V 1A Power Jack

VGA port (PC1, PC2, PC3 & PC4)

Speaker Input Ports



VGA port (Monitor 1, Monitor 2 , Monitor3 & Monitor 4)

Speaker Output ports

3.2.2 Matrix VGA switch installation

1. Plug in via DC 5V 1A adaptor.
2. Use HDB15 male to male cables to connect the VGA ports of your monitors or projectors to the VGA ports of VGA switches.
3. Use HDB15 male to male cables to connect the VGA port of your computer to the VGA ports of VGA switches.
4. Connect the speaker to the audio output ports.

4. Operation

4.1 Push Button (Monitor) :

- Each Push Button corresponds to a certain display output source (Monitor or Projector).
- Press Push Button to select the input sources of Video and Audio signal from the computers connected for the certain monitor or projector which you want to display the video outputs.
- The selected computer will be switched to the next one when you press the push button again.

4.2 IR Remote Control

VS-221AR Remote controller



VS-441AR Remote controller



Please remove the Isolation Mylar before using

- Remove the isolation mylar from the IR remote controller before using the IR remote controller.
- Press Monitor 1,2 ,3 and 4 on IR remote controller to select the connected monitors to display the video outputs.
- Press PC 1,2 ,3 and 4 on IR remote controller to select the input source of Video and Audio signal from computers connected.

Disclaimer

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FCC Statement

This device generates and uses radio frequency and may cause interference to radio and television reception if not installed and used properly. This has been tested and found to comply with the limits of a Class B computing device in accordance with the specifications in Part 15 of the FCC Rules. These specifications are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by plugging the device in and out, the user can try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the device and receiver.
- Connect the computer into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

