

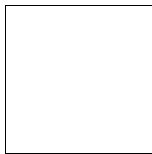
# Switch between two dual display VGA sources

## Optional Accessories



RMT-4 (2 Button)

## Related Products



## 2x2 VGA Switcher

### Switches extended desktop dual VGA displays, USB 1.1 & audio between any two computers

Our 2x2 VGA Switcher enables you to connect and access two computers using one workstation equipped with dual VGA monitors and one USB keyboard/mouse. Analog video, keyboard/mouse control and audio are "switched" for each computer, providing you with an easy and effective way to alternate access to greater amounts of data at the touch of a button.

Dual monitors, in this case, refers to the use of two monitors that are running an extended desktop setup so that the entire digital image is extended over two monitors providing a greater digital desktop on which to work. The 2x2 switcher will not mirror the same desktop but will provide support for dual displays.

The 2x2 switcher will NOT switch between four computers and two displays or four computers and one display.

### How It Works

You simply connect both computer's VGA video, USB and audio ports to the 2x2 VGA Switcher's inputs using the supplied cables. Then you connect both VGA displays, the USB keyboard/mouse and an optional audio device to the Switcher's outputs. Once powered and connected, you switch between computers by key switch or remotely using contact closure remote control.

### Note:

### Features:

- Switches easily between any two dual VGA computers with USB 1.1 and audio
- Output to two extended desktop VGA displays
- Maintains highest 1920 x 1200 resolution video
- Use either PC or Mac USB 1.1 keyboard/mouse
- Front panel switching
- Parallel remote port (RMT-4 not included)
- Supports resolutions up to 1080p, 2K, 1920 x 1200
- Includes rack ears

### Specifications:

- Video Amplifier Bandwidth: 350 MHz
- Input Video Signal: 1.2 volts p-p
- Input Sync Signal: 5 volts p-p (TTL)
- Horizontal Frequency Range: 15 - 70 KHz
- Vertical Frequency Range: 30 - 170 Hz
- Video Connector: DVI-I 29 pin female (analog only)
- USB Input Connection: type "B"
- USB Output Connection: type "A"
- Power Supply: 12V AC
- Power Consumption: 18 watts (max)
- Dimensions: 17"W x 1.75"H x 4.375"D
- Rackmountable: 1U Rack space
- Shipping Weight: 10 lbs.

### Package Includes:

- 2x2 VGA Switcher
- 12V power supply
- Four 6ft DVI-A to VGA cables Male to Male
- Two DVI-A to VGA Adapter Male to Female
- Two 6ft USB cables
- Two audio cable
- Rack Ears

### Product Options:

ext-vga-422



EXT-VGA-422



**2x2 VGA Switcher**  
USER MANUAL

## ASKING FOR ASSISTANCE

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### Technical Support:

Telephone (818) 772-9100  
(800) 545-6900

Fax (818) 772-9120

### Technical Support Hours:

8:00 AM to 5:00 PM Monday through Friday PST

### Write To:

Gefen Inc.  
c/o Customer Service  
20600 Nordhoff St  
Chatsworth, CA 91311

[www.gefen.com](http://www.gefen.com)  
[support@gefen.com](mailto:support@gefen.com)

### Notice

Gefen Inc. reserves the right to make changes in the hardware, packaging and any accompanying documentation without prior written notice.

**The 2x2 VGA Switcher** is a trademark of Gefen Inc.

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- 1 Introduction
- 2 Front Panel Descriptions
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## OPERATION NOTES

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### **READ THESE NOTES BEFORE INSTALLING OR OPERATING THE 2X2 VGA SWITCHER**

- The 2x2 VGA Switcher is housed in a metal box for better RF shielding.

# INTRODUCTION

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Thank you for purchasing Gefen' s extend•it 2x2 VGA Switcher series. The 2x2 VGA Switcher switches VGA, USB and Audio between any combination of two computers. Now you can switch easily and reliably between any combination of two computers using two VGA displays, USB keyboard and mouse.

The 2x2 VGA Switcher saves space – there's no need to work on a desk crowded with four monitors, keyboards and mouse devices. It saves time – there's no need to move from one monitor to another to access different computers. And it saves money – there's no need to purchase additional monitors, mouse devices, keyboards etc.

The 2x2 VGA Switcher allows you to choose between any combination of Macintosh or PC computers and switching two monitors side by side.

## **CONTENTS**

The 2x2 VGA Switcher system consists of:

- (1) 2x2 VGA Switcher
- (1) 12 VAC power supply
- (4) DVI to VGA cables (6FT)
- (2) DVI to VGA Adapters
- (2) USB cables (6FT)
- (2) Audio cables (6FT)
- (1) User Manual

# FRONT PANEL DESCRIPTIONS



1-2 Indicator LED

1-2 Switch Buttons

Power LED

# BACK PANEL DESCRIPTIONS

AUDIO IN 1      AUDIO IN 2      AUDIO OUT



POWER INPUT

DVI IN 1-1

DVI IN 1-2

DVI IN 2-1

DVI IN 2-2

DVI OUT 1

DVI OUT 2

USB OUT 2

USB IN 1

USB IN 2

REMOTE - RJ-45 Connector For RMT-4 Wired Remote



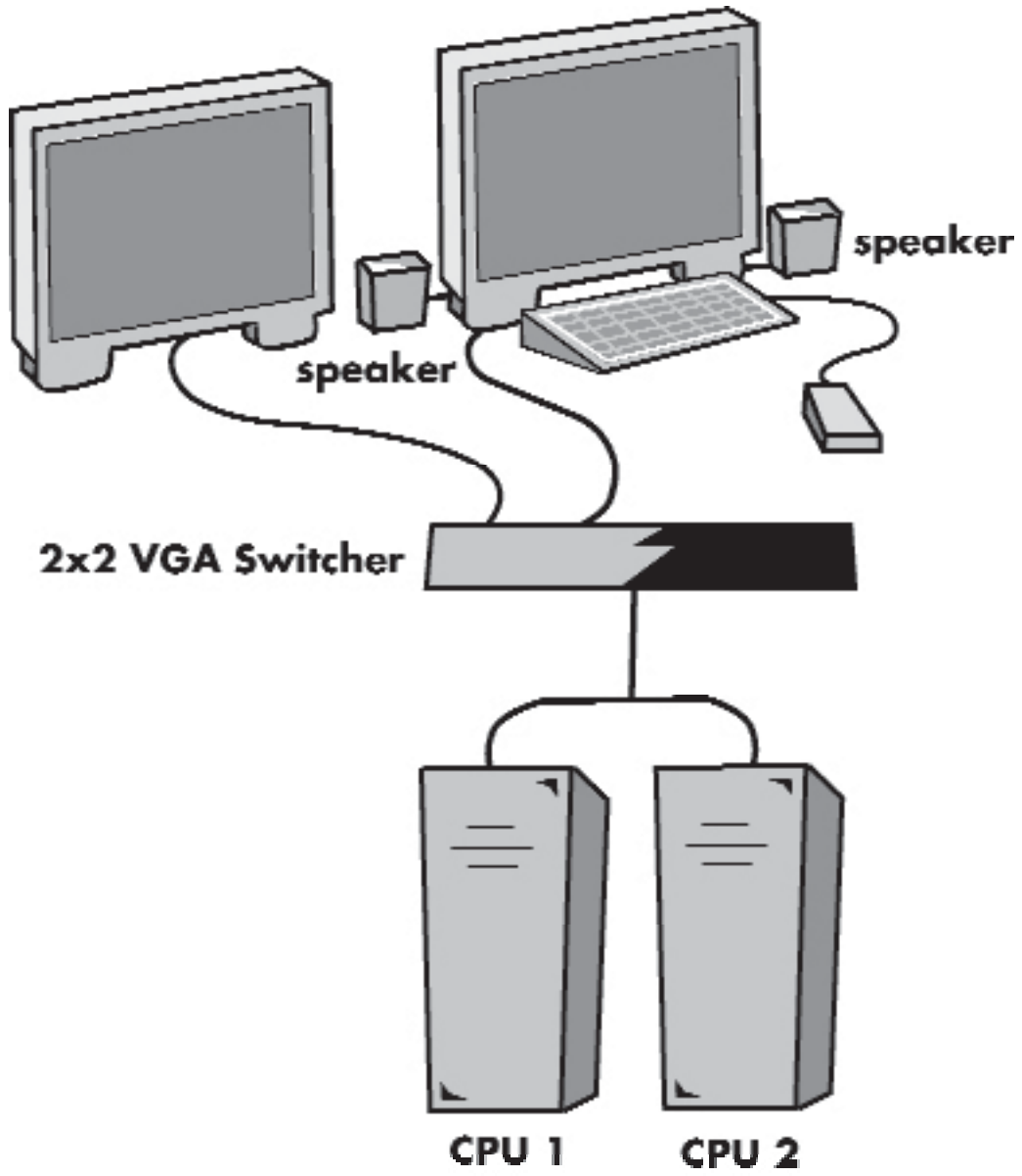
## HOW TO CONNECT THE 2x2 VGA Switcher

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- 1- Connect the cables from your first computer into the VGA-1 1, VGA-1 2, USB and Audio connection in the back of the 2x2 VGA Switcher.
- 2- Connect the cable from your second computer into the VGA-2 1, VGA-2 2, USB and Audio connection in the back of the 2x2 VGA Switcher.
- 3- Connect the monitors to the VGA Out (1 and 2) connections.
- 4- Plug the 12v power supply into the 2x2 VGA Switcher.
- 5- Plug the 12v wallmount power supply into the wall outlet.
- 6- Start your computers only after you've made all the connections.
- 7- Press select, to switch between Computer 1 or Computer 2 or switch remotely using the optional contact closure remote control.

# 2x2 VGA WIRING DIAGRAM

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## SPECIFICATIONS

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Video Amplifier Bandwidth .....	350 MHz
Single Link Range .....	1920 x 1200
Vertical Frequency Range .....	60 Hz
DVI Input/Output Connector Type .....	DVI-I
USB Input Connector .....	Type "B"
USB Output Connector .....	Type "A"
Power Consumption .....	18 Watts (max.)
Power Supply .....	12 VAC
Dimensions .....	16"W x 1.75"H x 4"D
Rackmountable .....	1 Rack Space
Shipping Weight .....	12 Lbs

## WARRANTY

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Gefen Inc. warrants the equipment it manufactures to be free from defects in material and workmanship.

If equipment fails because of such defects and Gefen Inc. is notified within two (2) year from the date of shipment, Gefen Inc. will, at its option, repair or replace the equipment, provided that the equipment has not been subjected to mechanical, electrical, or other abuse or modifications.

Equipment that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for ninety (90) days from the day of reshipment to the Buyer.

This warranty is in lieu of all other warranties expressed or implied, including without limitation, any implied warranty or merchantability or fitness for any particular purpose, all of which are expressly disclaimed.

1. Proof of sale may be required in order to claim warranty.
2. Customers outside the US are responsible for shipping charges to and from Gefen.
3. Copper cables are limited to a 30 day warranty and cable must be free from any scratches, markings, and neatly coiled.

The information in this manual has been carefully checked and is believed to be accurate. However, Gefen Inc. assumes no responsibility for any inaccuracies that may be contained in this manual. In no event will Gefen Inc., be liable for direct, indirect, special, incidental, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. The technical information contained herein regarding the 2x2 VGA Switcher features and specifications is subject to change without notice.