



Switch analog video, audio and USB

Optional Accessories



RMT-2

USB Switcher

Switches between any combination of two USB computers. (PC or Mac)

Now you can switch easily and reliably between any combination of two computers using only one monitor, USB keyboard and mouse. The USB Switcher saves space - there's no need to work on a desk crowded with double monitors, keyboards and mouse devices. It saves time - there's no need to move from one monitor to another to access different computers. It saves money - there's no need to purchase additional monitors, mouse devices, keyboards etc. And, it switches the audio too.

How It Works

The USB Switcher alternates access between two computers located near each other. Simply plug your peripherals directly into the switch, connect the cables to the computers you want to control, select the computer you want to work on, and you're switching. To switch, press the button in the front of the USB Switcher or switch remotely using Gefen's RMT-2 remote control.

Note: The USB Switcher allows you to choose between a Macintosh or PC USB keyboard/video/mouse combination.

Features:

- Switches easily between any two VGA computers with USB 1.1 and audio
- Maintains highest 1920x1200 resolution video
- Use either PC or Mac USB 1.1 keyboard/mouse
- Front panel switching
- Parallel remote port (RMT-2 not included)
- Supports resolutions up to 1080p, 2K, and 1920 x 1200
- Rackmountable

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)
- Audio Connector: mini-phone stereo 3.5mm
- USB Input Connection: type "B"
- USB Output Connection: type "A"
- Power Supply: 12 V AC
- Power Consumption: 18 watts (max)
- Dimensions: 8.5"W x 1.75"H x 4"D
- Rackmountable: 1U half rack space
- Shipping Weight: 6 lbs.

Package Includes:

- The USB Switcher
- Two 6ft DVI-A to VGA Cable
- One DVI-A to VGA Adapter
- Two 6ft A to B USB Cable
- Two 6ft Audio Cables
- One 12V Transformer



EXT-USB-2X1



USB Switcher
USER MANUAL

ASKING FOR ASSISTANCE

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.

Write To:

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Notice

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

USB Switcher is a trademark of Gefen Inc.

TABLE OF CONTENTS

- 1 Introduction
- 2 Features
- 3 Panel Descriptions
- 4 Connecting and Operating the USB Switcher
- 5 RMT2-IR Installation
- 6 Specifications
- 7 Warranty

INTRODUCTION

Congratulations on your purchase of the ex•tend•it USB Switcher. Your complete satisfaction is very important to us.

Gefen's line of KVM (Keyboard Video & Mouse), DVI, ADC, USB, switches, extenders, converters and hubs is designed to make computer use more comfortable, more productive and less expensive. KVM switches allow access to multiple computers from a single keyboard, while the extenders give the user control over a computer up to 330 feet away from the work area. The ex•tend•it line offers solutions for noise, space and security concerns, data center control, information distribution, conference room presentation, and school and corporate training environments.

Our Commitment

Gefen will always offer the finest quality product at the best possible price. Included in that price is a lifetime of free support from a team of outstanding engineers.

Now you can switch easily and reliably between any combination of two VGA & USB 1.1 equipped computers (PC or Mac) - using only one keyboard, display and mouse. The VGA cross platform switcher saves space - there's no need to work on a desk crowded with double displays, 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 displays, mouse devices, keyboards etc.

FEATURES

Features

- Saves money on hardware costs
- Saves space on your desktop
- Save time and increase your productivity
- Maintains highest 1920 x 1200 x 60Hz resolution video
- No loss of quality
- Use either PC or Mac with USB keyboard/mouse
- Switches easily between any two VGA computers
- Switch between two VGA, USB 1.1 and Audio Sources
- Rackmountable

Includes:

- (1) USB Switcher
- (1) 12v Power Supply
- (2) 6ft DVI to VGA cables
- (1) DVI-A to VGA adapter
- (2) 6ft USB cables
- (2) Audio cables
- (1) User's Manual

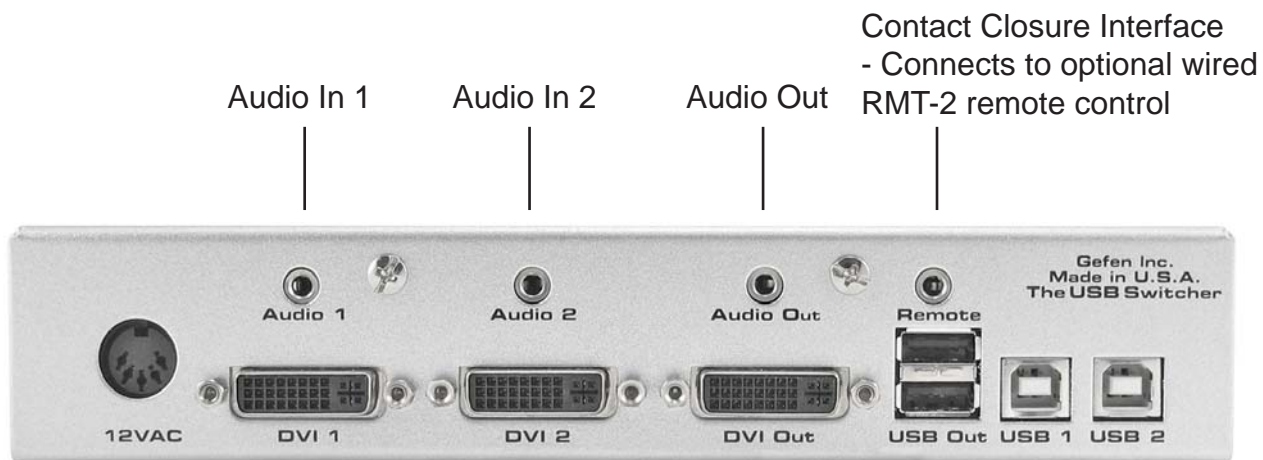
PANEL DESCRIPTIONS



Power Indicator

Indicates which input is selected

Selector



12VAC Input

DVI In 1

DVI Out

DVI In 2

USB Output

USB In 1

USB In 2

Contact Closure Interface - Connects to optional wired RMT-2 remote control

CONNECTING AND OPERATING THE USB SWITCHER

How to Connect the USB Switcher to your devices

- 1- Connect the supplied cables from your first computer into the DVI In 1, USB In 1, and Audio In 1 connection in the back of the USB Switcher.
- 2- Connect the supplied cables from your first computer into the DVI In 2, USB In 2, and Audio In 2 connection in the back of the USB Switcher.
- 3- Connect the monitor to the DVI Out connection. (use the DVI-A to VGA adapter if necessary)
- 4- Connect your USB devices (e.g. keyboard, mouse) into the USB Out.
- 5- Connect your speakers to the Audio Out.
- 6- Plug the 12VDC power supply into the USB Switcher.

How to Operate the USB Switcher

- 1- Use the front panel push button to switch between sources.
- 2- Use the optional RMT-2 wired remote control to remotely toggle between sources.

Operation Notes

When turning on or rebooting your computers, the USB Switcher must be selected to the computer that is booting until the computer completes the boot cycle.

SPECIFICATIONS

Video Amplifier Bandwidth	350 MHz
Input Video Signal.....	1.2 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Single Link Range	1920 x 1200 x 75hz
DVI Input/Output Connector Type	DVI-A
USB 1.1 Input Connection	Type "B"
USB 1.1 Output Connection	Type "A"
Power Consumption	18 Watts (max.)
Power Supply	12 VAC
Dimensions	4"D x 8"W x 1.75"H
Rackmountable	1 Rack Space
Shipping Weight	8 Lbs

WARRANTY

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 USB Switcher features and specifications is subject to change without notice.