



DVI, USB and audio switching at your fingertips

Optional Accessories



RMT-2

2x1 DVI KVM Switcher

Switches DVI, USB 2.0 & Audio between any Two Computers with a DVI port (PC or Mac).

Digital Video, USB 2.0 and Audio Switching at Your Fingertips

Now you can switch easily and reliably between any combination of two DVI and USB 2.0 equipped computers (PC or Mac) - using only one keyboard, monitor and mouse. The 2x1 DVI KVM 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. And, it saves money - there's no need to purchase additional monitors, mouse devices, keyboards etc. The Switcher allows you to choose between a Macintosh or PC keyboard/video/mouse combination.

Apple's ADC flat panel displays can be connected when used with the [DVI to ADC Conversion Box](#).

This product does not support the Apple 30 inch Cinema Display. The [DVI DL Switcher](#) does support the Apple 30" Cinema Display.

How it Works

The 2x1 DVI KVM Switcher switches DVI, USB 2.0 and audio between two computers located near each other. Simply plug your display and peripherals directly into the back of the Switcher. Connect the cables to the computers you want to control. Finally, push the select button in the front panel to switch to the computer you want to control.

Note: The 2x1 DVI KVM Switcher is HDCP Pass-Through.

Features:

- Switches easily between any two DVI computers with USB 2.0 and audio
- Maintains highest resolution single link video
- Saves time and increase your productivity
- Use either PC or Mac USB 2.0 keyboard/mouse
- Independent EQ adjustments that compensate
- Front panel switching
- Parallel remote port (RMT-2 not included)
- Supports resolutions up to 1080p, 2K, and 1920 x 1200
- Supports DDWG standards for DVI monitors

Specifications:

- Video Amplifier Bandwidth: 165 MHz
- Input Video Signal: 1.2 volts p-p
- Input DDC Signal: 5 volts p-p (TTL)
- Single Link Range: 1080p/1920 x 1200
- DVI Connector: DVI-I 29 pin female (digital only)
- Audio Connector: mini-phone stereo 3.5mm
- USB 2.0 Input Connection: type "B"
- USB 2.0 Output Connection: type "A"
- Power Supply: 5V DC
- Power Consumption: 10 watts (max)
- Dimensions: 7"W x 1.25"H x 3"D
- Shipping Weight: 3 lbs.

Package Includes:

- 2x1 DVI KVM Switcher
- One 5V Power Supply
- Two 6ft DVI cables
- Two 6ft USB cables
- Two Audio cables
- User's Manual



EXT-DVIKVM-241



**2x1 DVI/KVM
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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Chatsworth, CA 91311

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support@gefen.com

Notice

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

2x1 DVI KVM Switcher is a trademark of Gefen Inc.

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INTRODUCTION

Congratulations on your purchase of the ex•tend•it 2x1 DVI KVM 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 DVI & USB 2.0 equipped computers (PC or Mac) - using only one keyboard, display and mouse. The DVI 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

- Switches easily between any two DVI computers with USB 2.0 and audio
- Maintains highest resolution single link video
- Saves space on your desktop
- Saves time and increase your productivity
- No loss of quality
- Use either PC or Mac USB 2.0 keyboard/mouse
- Independent EQ adjustments that compensate for low quality cables
- Supports VESA standard and HDTV resolutions
- Supports DDWG standards for DVI monitors
- Contact closure remote control option (RMT-2)

Includes:

- (1) 2x1 DVI KVM Switcher
- (1) 5V DC Power Supply
- (2) 6ft DVI cables
- (2) 6ft USB cables
- (2) Audio cables



PANEL DESCRIPTIONS



CONNECTING AND OPERATING THE 2x1 DVI KVM SWITCHER

How to Connect the 2x1 DVI KVM 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 2x1 DVI KVM Switcher.
- 2- Connect the supplied cables from your second computer into the DVI In 2, USB In 2, and Audio In 2 connection in the back of the 2x1 DVI KVM Switcher.
- 3- Connect the monitor to the DVI Out connection.
- 4- Connect your USB devices (e.g. keyboard, mouse) into the USB Out.
- 5- Connect your speakers to the Audio Out.
- 6- Plug the 5V DC power supply into the 2x1 DVI KVM Switcher.

How to Operate the 2x1 DVI KVM 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 2x1 DVI KVM Switcher must be selected to the computer that is booting until the computer completes the boot cycle. This step can be eliminated using the Gefen DVI Detective.

If you loose your picture when switching from source 1 to source 2 or vice-versa you will require a DVI Detective.

If you are seeing noise in your picture, adjust the EQ corresponding to the input with noise.

If you are experiencing USB dropouts try using the switcher just as a USB hub by only connecting the USB cables from your computers to the switcher. Connect your devices to the USB out portion of the switcher and connect your display to your computer directly. Start your computer up and try switching. If your USB devices do come up normally then you will need a DVI Detective to negotiate the video/USB signals for faster switching. If they do not come up normally, then you will need to call tech support.

SPECIFICATIONS

Video Amplifier Bandwidth	1.65 Gbps
Input Video Signal.....	1.2 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Single Link Range	1920 x 1200 x 60hz
DVI Input/Output Connector Type	DVI-I (29 pin) female (digital only)
USB 2.0 Input Connection	Type "B"
USB 2.0 Output Connection	Type "A"
Power Consumption	10 watts (max)
Power Supply	5V DC
Dimensions	7"D x 3"D x 1.125"H
Shipping Weight	3 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 2x1 DVI KVM Switcher features and specifications is subject to change without notice.