



**2x1 DVI DL**  
**Switcher**  
USER MANUAL

[www.gefen.com](http://www.gefen.com)

## ASKING FOR ASSISTANCE

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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.

**2x1 DVI DL Switcher** is a trademark of Gefen Inc.

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## INTRODUCTION

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

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## Features

- Saves money on hardware costs
- Saves space on your desktop
- Save time and increase your productivity
- Maintains highest 3840 x 2400 x 60Hz resolution video
- No loss of quality
- Use either PC or Mac with USB keyboard/mouse
- Switches easily between any two dual link DVI computers
- Switch between two dual link DVI, USB 2.0 and Audio Sources
- IR Remote control
- Rackmountable

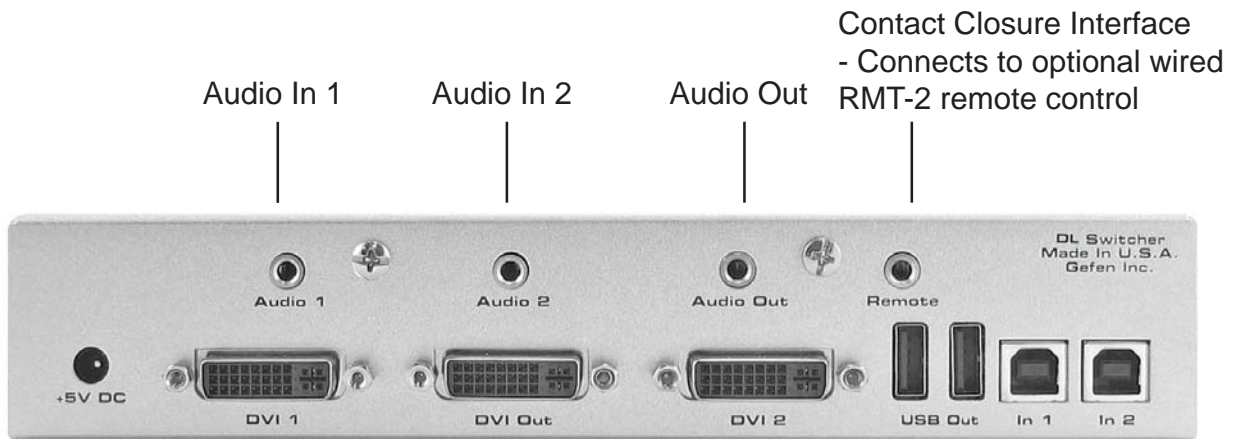
## Includes:

2x1 DVI DL Switcher  
One 5v Power Supply  
One RMT2-IR Remote Control  
Two 6ft Dual Link DVI cables  
Two 6ft USB cables  
Two Audio cables

# PANEL DESCRIPTIONS



|  
 Power Indicator  
 |  
 IR  
 Infrared Eyes  
 |  
 1  
 Indicates which input is selected  
 |  
 2  
 Selector  
 |  
 Select  
 |  
 EQ1 EQ2  
 Equalizations Knobs



Audio In 1  
 |  
 Audio In 2  
 |  
 Audio Out  
 |  
 Contact Closure Interface  
 - Connects to optional wired  
 RMT-2 remote control  
 |  
 Remote  
 DL Switcher  
 Made In U.S.A.  
 Gefen Inc.

+5V DC  
 |  
 5VDC Input  
 |  
 DVI 1  
 DVI In 1  
 |  
 DVI Out  
 DVI Out  
 |  
 DVI 2  
 DVI In 2  
 |  
 USB Out  
 USB Output  
 |  
 In 1  
 USB In 1  
 |  
 In 2  
 USB In 2

## **Connecting and Operating the 2x1 DVI DL Switcher**

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### **How to Connect the DL Switcher to your devices**

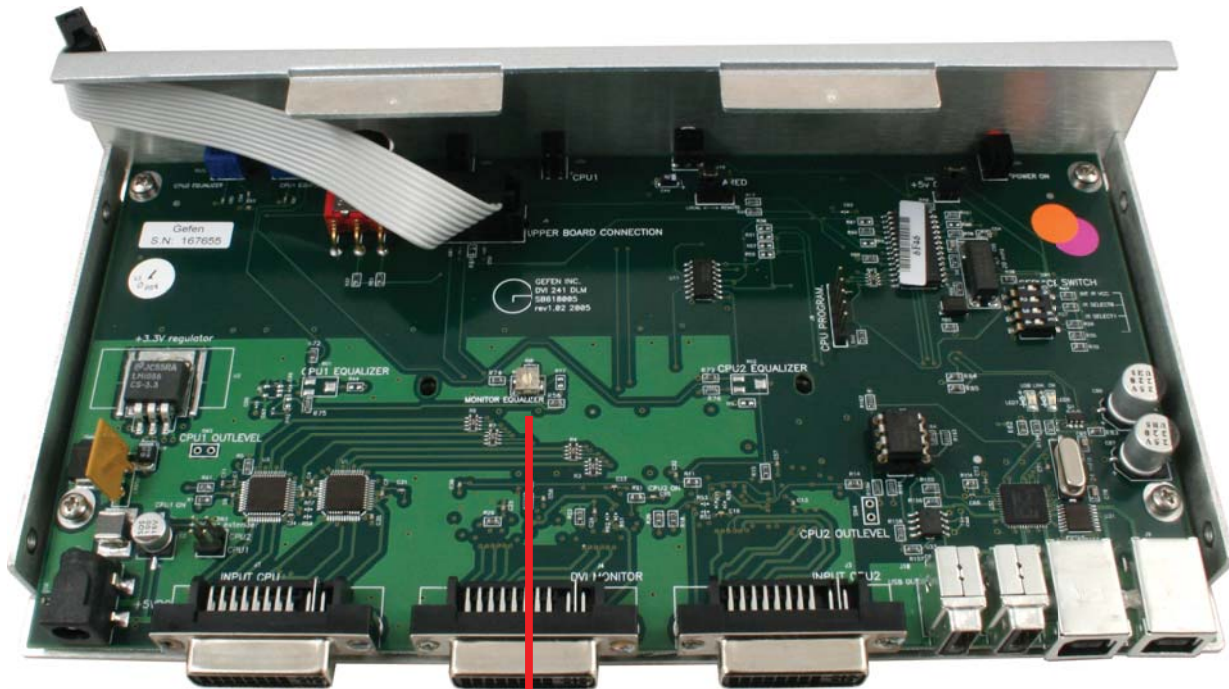
- 1-** Connect the supplied cables from your first computer into the DVI In 1, USB In 1, and Audio In 1 connection in the back of the DVI Switcher.
- 2-** Connect the supplied cables from your second computer into the DVI In 2, USB In 2, and Audio In 2 connection in the back of the DVI Switcher.
- 3-** 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 5VDC power supply into the DL Switcher.

### **How to Operate the DL Switcher**

- 1-** Use the front panel push button to switch between sources.
- 2-** Use the RMT2-IR remote control port to remotely toggle between sources.
- 3-** Use the optional RMT-2 wired remote control to remotely toggle between sources.

## 2x1 DVI DL Operation Notes

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Internal  
Equalization  
Knob

### Operation Notes

When turning on or rebooting your computers, the DVI DL 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 lose your picture when switch from source 1 to source 2 or vice versa you will need a DVI Detective.

The external equalization knobs can be used to balance out signal noise resulting from long cables for better picture quality.

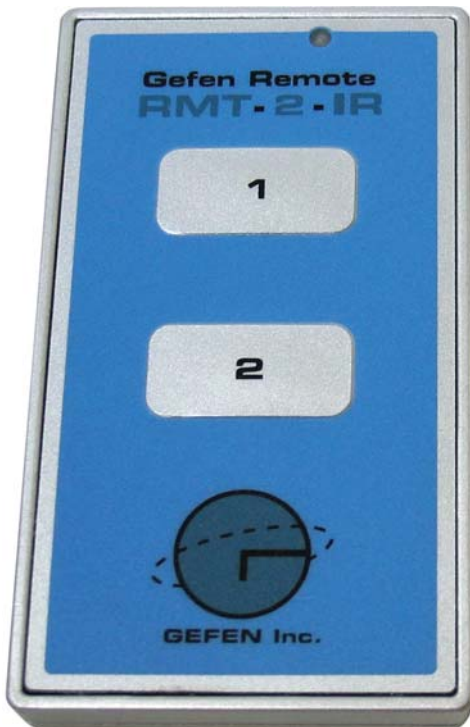
\*For the Dell 30" Display the internal and external equalization knobs will both need to be adjusted to get a clean video signal. The internal EQ can be reached by removing 9 screws situated on the sides of the casing and the 6 hex nuts on the DVI connectors.

## RMT2-IR Installation

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1. Remove battery cover from the back of the RMT2-IR remote.
2. Verify that dip switches 1 & 2 are in the down (OFF) position.
3. Insert the battery, hold the battery so that you can see the positive side facing up. The side that is not marked must be facing down.
4. Test the RMT2-IR remote by pressing **ONLY** one button at a time. The indicator light on the remote will flash once each time you press a button. **WARNING:** Do not press multiple buttons simultaneously and do **NOT** press buttons rapidly. These actions will cause the remote to reset and steps 1-4 will have to be repeated.

Note: The RMT2-IR ships with two batteries. One battery is required for operation, the second battery is complimentary.



Optional RMT-2 wired remote control



# SPECIFICATIONS

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Video Amplifier Bandwidth .....	2x 1.65 Gbps
Input Video Signal .....	1.2 volts p-p
Input DDC Signal .....	5 volts p-p (TTL)
Single Link Range .....	3840 x 2400
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 .....	15 Watts (max.)
Power Supply .....	5VDC
Dimensions .....	4.625"D x 8.5"W x 1.75"H
Rackmountable .....	1 Rack Space
Shipping Weight .....	5 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 one (1) 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 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.

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