



## Extend your workspace

### DVI-3000HD

The DVI-3000 HD KVM (keyboard, video, mouse) extender sends a DVI display, USB keyboard/mouse, and RS-232C up to 6.25 miles (10km) from your DVI source. It's designed using duplex SC single mode or multi mode fibers to support digital video plus USB 1.1 and RS-232C peripherals for ultra long range extensions.

#### How It Works

The DVI-3000HD sender unit sits next to your computer. The cables supplied with the DVI-3000HD connects your DVI source, USB, and RS-232C to the send unit. The DVI-3000HD receiver unit sits next to your DVI display - up to 6.25 miles (10km) away. The display and USB plug into the back of the DVI-3000HD receiver unit. Duplex SC single mode or multi mode fiber cables connect the DVI-3000HD-S and the DVI-3000HD-R units to each other.

DVI, HDCP & HDMI Defined

#### Features:

- Extension lengths up to 6.25 miles (10km) can be achieved
- Extends any DVI compliant display
- Extends USB 1.1 compliant devices
- Extends RS-232C devices
- Eliminates computer noise where you work
- Uses duplex SC single mode or multi mode fiber cables
- Supports VESA Standard resolutions up to 1280x1024 at 24 bit color 60Hz
- Supports DDWG standard for DVI compliant monitors
- Video is transmitted digitally for zero signal loss

#### Specifications:

- Video Amplifier Bandwidth: 1.20 Gbps
- Input Video Signal: 1.2 volts p-p
- Input DDC Signal: 5 volts p-p (TTL)
- Single Link Range: 1280x1024
- DVI Connector: DVI-D (19 pin) female
- USB Input: USB type "B" connector
- USB Output: two USB type "A" connectors
- Link Connector: SC
- Power Supply: 12V DC
- Power Consumption per unit: 15 watts (max)
- Dimensions: 8.4"W x 1.75"H x 4.4"D
- Shipping Weight: 7 lbs.

#### Package Includes:

- One DVI-3000HDS Sender unit
- One DVI-3000HDS Receiver unit
- Two 12V DC Power Supplies



EXT-DVI-3000HD

# Gefen

## DVI • 3000HD

EXT-DVI-3000HD

User Manual



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

## 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 thru Friday.

### 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.

**DVI • 3000HD** is a trademark of Gefen Inc.

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# INTRODUCTION

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Congratulations on your purchase of the DVI • 3000HD. Your complete satisfaction is very important to us.

## **Gefen**

Gefen delivers innovative, progressive computer and electronics add-on solutions that harness integration, extension, distribution and conversion technologies. Gefen's reliable, plug-and-play products supplement cross-platform computer systems, professional audio/video environments and HDTV systems of all sizes with hard-working solutions that are easy to implement and simple to operate.

## **The Gefen DVI • 3000HD**

The DVI • 3000HD KVM (keyboard, video, mouse) extender sends a DVI display, USB keyboard/mouse, and RS-232C up to 6.25 miles (10km) from your DVI source. It's designed using duplex SC single mode or multi mode fibers to support digital video plus USB 1.1 and RS-232C peripherals for ultra long range extensions.

## **How It Works**

The DVI • 3000HD sender unit sits next to your computer. The cables supplied with the DVI • 3000HD connects your DVI source, USB, and RS-232C to the send unit. The DVI • 3000HD receiver unit sits next to your DVI display - up to 6.25 miles (10km) away. The display and USB plug into the back of the DVI • 3000HD receiver unit. Duplex SC single mode or multi mode fiber cables connect the DVI • 3000HD-S and the DVI • 3000HD-R units to each other.

# OPERATION NOTES

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## **READ THESE NOTES BEFORE INSTALLING OR OPERATING THE DVI • 3000HD**

- The DVI • 3000HD units are housed in a metal box for better RF shielding.
- The DVI • 3000HD uses single/multi-mode SC-SC fiber optics to connect between the sender and receiver.
- The DVI • 3000HD is not HDCP compliant
- The DVI • 3000HD is USB 1.1 compliant

# FEATURES

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## Features

- Extension lengths up to 6.25 miles (10km) can be achieved
- Extends any DVI compliant display
- Extends USB 1.1 compliant devices
- Extends RS-232C devices
- Eliminates computer noise where you work
- Uses duplex SC single mode or multi mode fiber cables
- Supports VESA Standard resolutions up to 1280x1024 at 24 bit color 60Hz
- Supports DDWG standard for DVI compliant monitors
- Video is transmitted digitally for zero signal loss

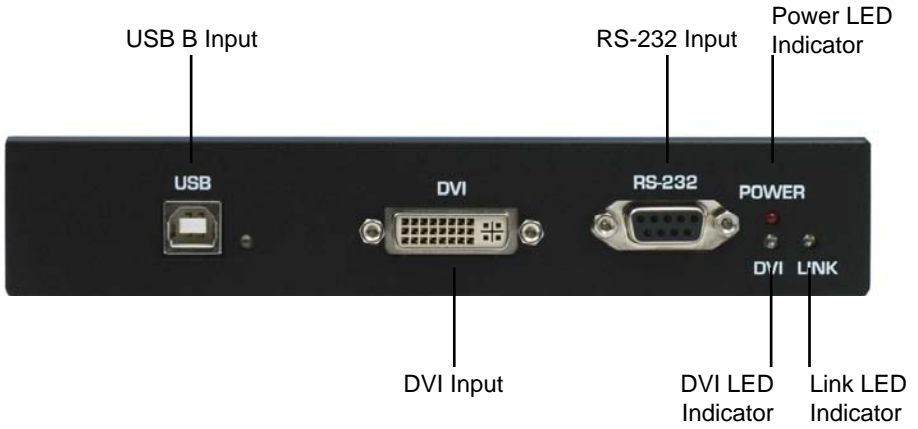
## Package Includes

- (1) DVI • 3000hd Sender Unit
- (1) DVI • 3000hd Receiver Unit
- (2) 12V DC Power Supplies
- (2) 6 foot DVI Cable (M-M)
- (1) 6 foot USB Cable (A-B)
- (1) User Manual

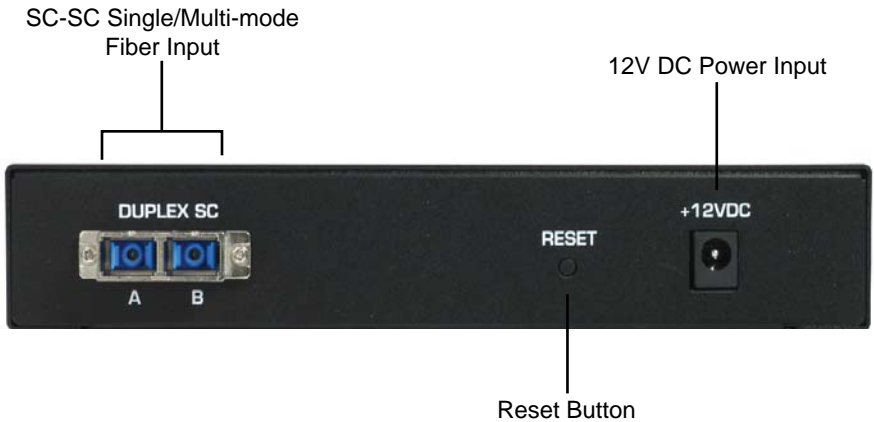
# SENDER PANEL DESCRIPTIONS

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## Front Panel

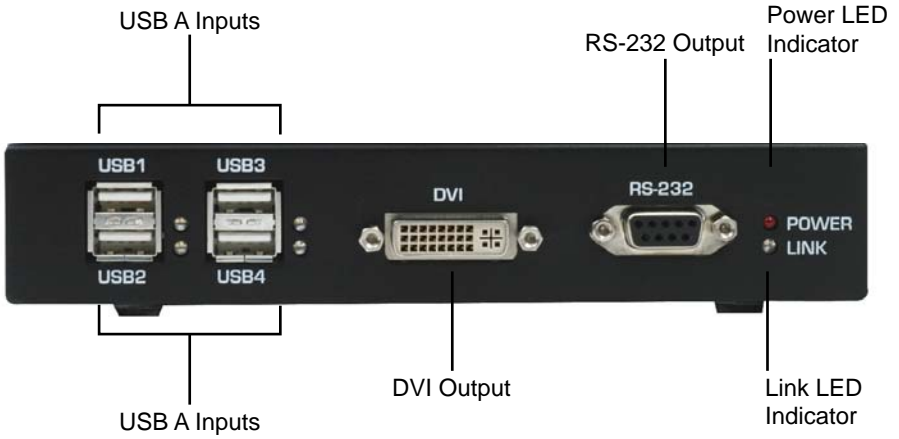


## Back Panel

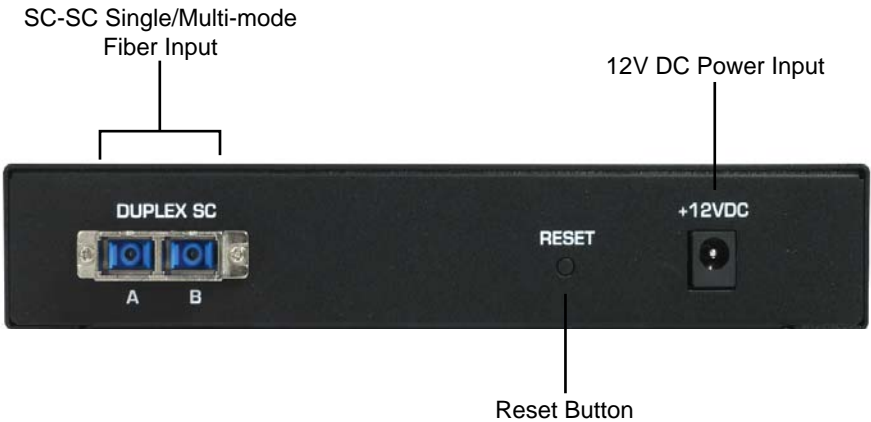


# RECEIVER PANEL DESCRIPTIONS

## Front Panel



## Back Panel



# CONNECTING AND OPERATING THE DVI • 3000HD

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## How to Connect the DVI • 3000HD

1. Connect the DVI source to the DVI • 3000HD sending unit's DVI input using the supplied DVI cable.
2. Connect the computer's USB to the DVI • 3000HD sending unit's USB input using the supplied USB A to B cable.
3. Connect the computer's RS-232 serial port to the DVI • 3000HD sending unit's RS-232 input using a user supplied RS-232 serial cable.
4. Connect the display to the DVI • 3000HD receiving unit's DVI output using a user supplied DVI cable.
5. Connect USB peripherals to the DVI • 3000HD receiving unit's USB inputs using user/device supplied USB cables.
6. Connect the RS-232 peripheral to the DVI • 3000HD receiving unit's RS-232 output using a user supplied RS-232 cable.
7. Connect the DVI • 3000HD sending and receiving unit's together using user supplied single/multi-mode SC-SC terminated fiber optic cable.
8. Plug one of the supplied 12V DC power supplies into the DVI • 3000HD sending and receiving units.
9. Power on the display first, and the source second.

**NOTE:** Once the cable connections have been made the power LED indicator on both sending and receiving units should be active. The link light will also be active once a solid connection is detected between the sending and receiving units.

## SPECIFICATIONS

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Video Amplifier Bandwidth .....	1.20 Gbps
Input Video Signal .....	1.2 Volts p-p
Input DDC Signal .....	5 Volts p-p (TTL)
Single Link Range .....	1280x1024
DVI Connector .....	DVI-D (19 pin) Female
USB Input .....	USB Type "B" Connector
USB Output .....	Two USB Type "A" Connectors
Link Connector .....	SC
Power Supply .....	12V DC
Power Consumption per unit .....	36 Watts (max)
Dimensions .....	8.4"W x 1.75"H x 4.4"D
Shipping Weight .....	7 lbs.