



**DVI•2000HD**  
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.

**The DVI•2000** is a trademark of Gefen Inc.

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## OPERATION NOTES

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### READ THESE NOTES BEFORE INSTALLING OR OPERATING THE DVI•2000

- The fiber optics cable must be treated carefully when connectors are exposed. They are susceptible to dust which can contribute to loss of pixels.
- The DVI•2000 works for all DVI displays and supports resolutions up to 3840x2400
- The DVI•2000 is housed in a metal box for better RF shielding.
- Supports DDWG standard for DVI compliant monitors
- Uses CAT-5 cable for HDCP/DDC and control signals.

# INTRODUCTION

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Thank you for purchasing Gefen's extend•it DVI•2000. The DVI•2000 allows extension of DVI Dual Link up to 1640 feet without losing any quality.

## **CONTENTS**

The DVI•2000 consists of:

- (1) DVI•2000S
- (1) DVI•2000R
- (1) DVI Booster
- (2) DVI Dual Link cable (6FT)
- (1) 12VDC Power Supply
- (1) User Manual

## **HOW THE DVI 2000HD WORKS**

The DVI•2000HDS sender unit sits next to your computer, set-top box or DVD player source. Cables supplied with the DVI•2000HD connect your DVI source to the send unit. The DVI•2000HDR receive unit sits next to your DVI display - up to 1640 feet away. The display plugs into the back of the receiver unit. One CAT-5 cable and multi mode LC fiber optic cable (8 strand) connect the sender and the receiver units to each other.

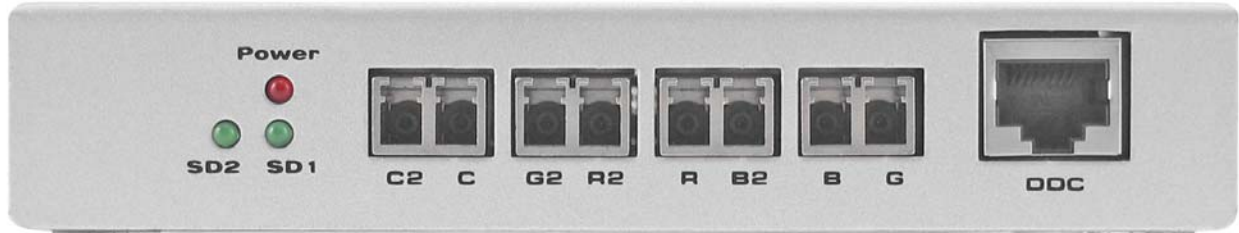
## **HOW THE DUAL LINK BOOSTER WORKS**

This plug and play installation takes mere seconds. You simply connect your Dual Link DVI cable on one side of the DVI DL Booster and the display's cable on the other side. The DVI DL Booster sits between the end of your DVI DL cable and your display.

# REAR PANELS DESCRIPTIONS

## DVI•2000 Sender (Rear View Only)

Power LED indicates the unit is powered



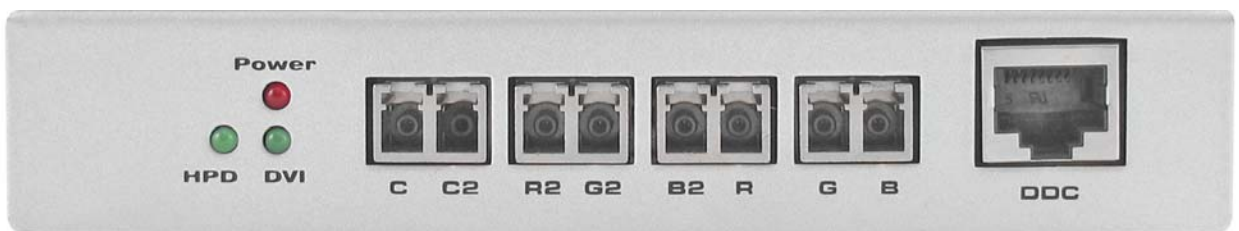
Hot Plug Detect  
Status LED indicates  
a link between the  
sender and receiver

Clock 1 | Red 2 | Blue 2 | Green 1  
Clock 2 | Green 2 | Red 1 | Blue 1

HDCP & DDC  
Signals

## DVI•2000 Receiver (Rear View Only)

Power LED indicates the unit is powered



Hot Plug Detect  
Status LED indicates  
a link between the  
sender and receiver

Clock 2 | Green 2 | Red 1 | Blue 1  
Clock 1 | Red 2 | Blue 2 | Green 1

HDCP & DDC  
Signals

# FRONT PANELS DESCRIPTIONS

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## DVI•2000 Sender (Front View Only)



|  
DVI In

|  
Power  
Connector

## DVI•2000 Receiver (Front View Only)



|  
DVI Out

|  
Power  
Connector

## HOW TO CONNECT THE DVI•2000

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- 1 Connect the DVI•2000 sender unit to the DVI source using the supplied cables.
- 2 Connect the DVI•2000 receiver unit to your DVI display.
- 3 Connect the eight fiber optics and one CAT5 cable between the sender and receiver.
- 4 Plug the 12VDC power supplies into the DVI•2000 sender.
- 5 You should see a beautiful picture.

# CONNECTING AND OPERATING THE DVI DUAL LINK BOOSTER

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## How to Connect the DVI Dual Link Booster

1- Connect the long DVI cable from the source into the “DVI In” on the front of the DVI DL Booster.

The DVI DL Booster is placed next to your display to regenerate the DVI cable.

2- Connect a short Dual Link DVI cable from the “DVI Out” connection in the back of the DVI DL

Booster to your display or projector.

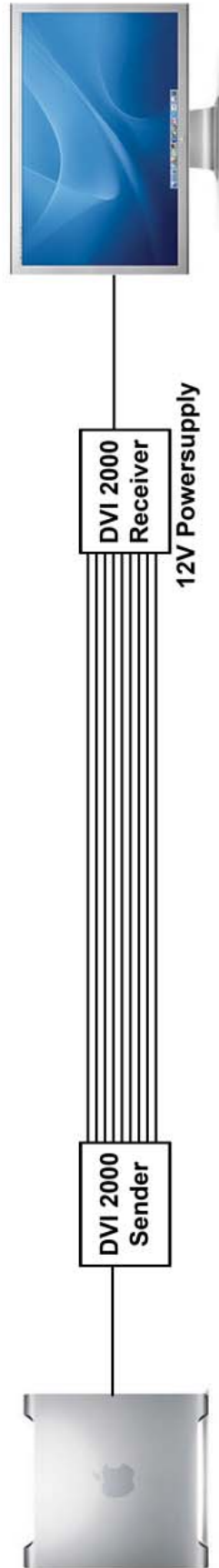
3- Plug the 5v power supply into the DVI DL Booster.

4- Plug the 5v wall mount power supply into the wall outlet.

5- Adjust the equalization as needed for long cable runs

# DVI•2000 WIRING DIAGRAM

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# SPECIFICATIONS

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## DVI 2000HD

Video Amplifier Bandwidth .....	2x 1.65 GHz
Input Video Signal .....	1.2 volts p-p
Input DDC Signal .....	5 volts p-p (TTL)
Dual Link Range .....	3840 x 2400
DVI Input/Output Connector Type .....	DVI-D
Link Connector .....	RJ-45
Power Consumption .....	15 Watts (max.)
Power Supply .....	12VDC
Dimensions .....	4"D x 5.5 "W x 1"H
Shipping Weight .....	5 Lbs

## DVI DUAL LINK BOOSTER

Video Amplifier Bandwidth .....	2 x 1.65 GHz
Input Video Signal .....	1.2 volts p-p
Input DDC Signal .....	5 volts p-p (TTL)
Maximum Single Link Range .....	3840 x 2400 x 60hz
DVI Input/Output Connector Type .....	DVI-D (29 pin)
Power Consumption .....	5 Watts (max)
Power Supply.....	5VDC
Dimensions .....	2"W x 1"H x 2.5"D
Shipping Weight .....	2 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 DVI•2000 features and specifications is subject to change without notice.