

Gefen

®

DVI DL to HDMI™ Converter

EXT-DVIDL-2-HDMIR

User Manual



www.gefen.com

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Notice

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CONTENTS

- 1 Introduction**
- 2 Operation Notes**
- 3 Features**
- 4 Panel Layout**
- 5 Panel Descriptions**
- 6 Connecting And Operating The DVI DI To HDMI Converter**
- 7 Specifications**
- 8 Warranty**

INTRODUCTION

Congratulations on your purchase of the DVI DL to HDMI Converter. 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.

OPERATION NOTES

READ THESE NOTES BEFORE INSTALLING OR OPERATING THE DVI DL TO HDMI CONVERTER

- The DVI DL to HDMI Converter has 2 switches per input (4 inputs are provided). The **Master Switch** will allow the use of the 10-bit and 12-bit color modes. Once the main switch is in the **ON** position, 10-bit or 12-bit color modes can be selected. Disable the **Master Switch** to turn off the extended color modes and enable 8-bit color depth.

FEATURES

Features

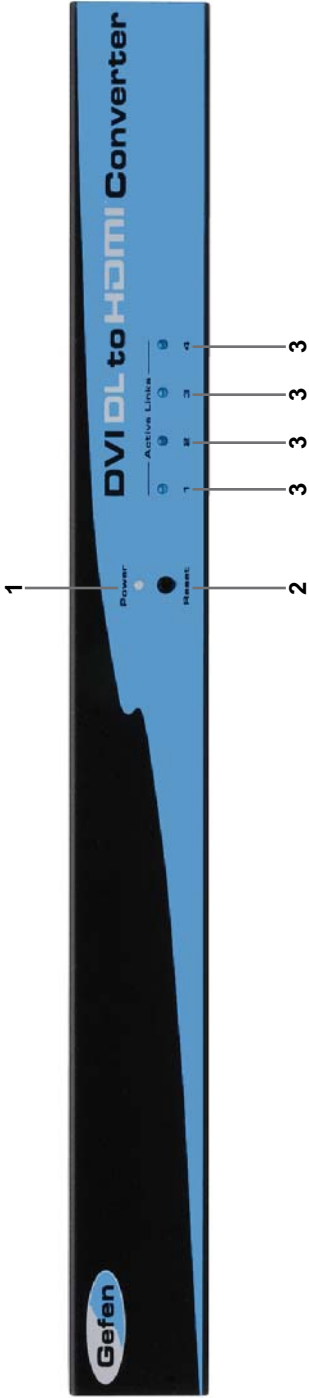
- Converts up to 4 proprietary DVI-DL signals (supporting 12bit color) to HDMI.
- Selector switch that will enable/disable Deep Color
- 10-bit and 12-bit Deep Color modes
- LED link indicators to ensure that all connections are active

Package Includes

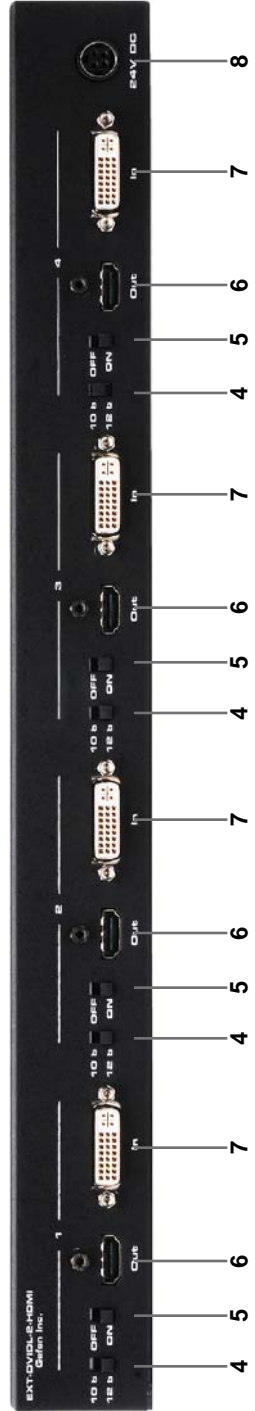
- (1) DVI DL to HDMI Converter Unit
- (4) 6 Foot DVI DL Cable (M-M)
- (1) 24V DC Power Supply (2.5A each)
- (1) Pair of Rack Ears

PANEL LAYOUT

Front Panel



Back Panel



PANEL DESCRIPTIONS

1 Power LED Indicator

This input indicator will become active once the included 24V DC power adapter has been properly connected to a power source.

2 Reset Button

This button will reset the unit and force all input/outputs to re-initialize.

3 Active Link LED Indicator

This LED indicator will activate once a link has been detected from the source device to the output device.

4 10-Bit/12-Bit Selector Switch

This switch will set either the 10-bit or 12-bit color modes. This switch is only active when the **Main Switch** is in the **ON** position.

5 Master Switch

This switch will enable/disable the use of the extended color modes switch;
10-Bit/12-Bit Selector Switch

6 HDMI Output

This port will accept a single HDMI capable output device via an HDMI type A connector.

7 DVI-DL Input

This port will accept a single DVI-DL (proprietary signal) input device via a DVI-I type connector.

8 24V DC Power Input

This input will accept power from the included 24V DC power supply. Connect the power supply to the unit and an available power source.

CONNECTING AND OPERATING THE DVI DL TO HDMI CONVERTER

How to Connect the DVI DL to HDMI Converter

1. Connect up to 4 DVI dual link source devices to the DVI DL to HDMI Converter's DVI inputs. 4 DVI DL cables are supplied.
2. Connect up to 4 HDMI capable displays to the DVI DL to HDMI Converter's HDMI outputs. 4 HDMI cables are supplied.
3. Connect the supplied 24V DC power supply to the DVI DL to HDMI Converter. Plug the power cable into a power source.

How to Operate the DVI DL to HDMI Converter

Once all input and output devices are connected and power has been applied, the DVI DL to HDMI Converter should be on. Once the source devices and output devices are properly linked, the front panel LED's should become active.

The rear panel carries sets of switches to enable 10-bit and 12-bit deep color. A **Master Switch** must be enabled per input to activate these extended color modes. When the master switch is in the **OFF** position, 8-bit color is enabled.

To use 10-bit and 12-bit color modes, please set the **Master Switch** to the **ON** position. This must be done for each input that will use the extended color modes.

Once the **Master Switch** is set to **ON**, use the 10-bit/12-bit selector switch to enable the desired color mode.

Changes are immediate and do not require a system reset. If a reset is required, please press the **RESET** button located on the front panel.

SPECIFICATIONS

Video Amplifier Bandwidth	225 MHz
Maximum Resolution	1080p (HDTV) / 1920x1200 (PC)
Maximum Color Depth	12-bit 4:4:4
Input Video Signal	1.2 Volts p-p
Input DDC Signal	5 Volts p-p (TTL)
Rack mountable	1U rack space
DVI Connector	DVI-I 29 Pin Female (digital only)
Power Supply	24V DC (2.6A each)
Power Consumption	60 Watts (max)
Dimensions	17.25" W x 1.75" H x 4.75" D
Shipping Weight	9.0 lbs.

WARRANTY

Gefen warrants the equipment it manufactures to be free from defects in material and workmanship.

If equipment fails because of such defects and Gefen is notified within two (2) years from the date of shipment, Gefen 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 cables must be in their original condition.

The information in this manual has been carefully checked and is believed to be accurate. However, Gefen assumes no responsibility for any inaccuracies that may be contained in this manual. In no event will Gefen 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 features and specifications is subject to change without notice.

For the latest warranty coverage information, please visit Gefen's Warranty web page at <http://www.gefen.com/kvm/aboutus/warranty.jsp>

PRODUCT REGISTRATION

Please register your product online by visiting Gefen's web site at <http://www.gefen.com/kvm/Registry/Registration.jsp>



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