

# Gefen<sup>®</sup>

## DVI to Mini DisplayPort Converter

EXT-DVI-2-MDP

User Manual



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

## ASKING FOR ASSISTANCE

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### Notice

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**Rev D**

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## INTRODUCTION

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Congratulations on your purchase of the DVI to Mini DP 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.

### **The Gefen DVI to Mini DP Converter**

The DVI to Mini DisplayPort Converter enables computers with single-link DVI to output on monitors or displays using the Mini Displayport interface. DisplayPort displays can easily be connected using a Mini Displayport to DisplayPort adapter.

DisplayPort is a standard that handles today's higher video resolutions and AV bandwidths while making connections simpler than in the past. Mini DisplayPort is a variation of DisplayPort.

Unlike the video signal relationship between DVI and HDMI, which is interchangeable, DisplayPort cannot natively support the transmission of these signal types without active electronics to modify the signal. Gefen's DVI to Mini DisplayPort ensures compatibility with all current and legacy DVI devices.

### **How It Works**

Connect a DVI-D cable into your computer source's DVI-D connector. Connect the other side of the DVI-D cable to the DVI input on the DVI to Mini DisplayPort Converter. Connect the Display device at its Mini DisplayPort connector. Connect the included power supply to the unit. You will now see a sharp, clear DVI picture on your DisplayPort-compliant display device.

Note: This device is compatible with digital DVI input signals only. DVI-A or VGA analog sources, interlaced video formats, and HDCP copy protected signals are not supported.

## OPERATION NOTES

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### READ THESE NOTES BEFORE INSTALLING OR OPERATING THE DVI TO MINI DP CONVERTER

- The DVI to Mini DP Converter contains a pre-loaded EDID which will be used by the source to determine the available output resolutions.
- Maximum supported input/output resolution is 1920 x 1200 60Hz.
- This unit is supplied with multiple power adapter connectors for use in multiple regions. Please refer to your region's power standards to determine which power adapter blade is appropriate for use with the DVI to Mini DP Converter.
- This unit is plug-and-play. No configuration is necessary to operate the DVI to Mini DisplayPort Converter.
- **FCC Statement**

**WARNING** FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

  - Reorient or relocate the receiving antenna.
  - Increase the distance between the equipment and receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.
  - You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

この装置は、クラスB情報技術装置です。この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン受信機に近接して使用されると、受信障害を引き起こすことがあります。

取扱説明書に従って正しい取り扱いをして下さい。

VCCI-B



# FEATURES

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## Features

- Converts DVI to DisplayPort using the Mini DisplayPort connector interface
- Supports video at 1920 x 1200 @ 60Hz resolution
- True pixel-to-pixel signal conversion without scaling
- Built-in EDID support
- Durable and simple design aesthetically pairs well with many displays

## Package Includes

- (1) DVI to Mini DisplayPort Converter
- (1) 3-Foot DVI-D Cable (M-M)
- (1) 5V DC Universal Power Supply
- (1) User Manual

## PANEL LAYOUT

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### Front Panel



### Back Panel



## PANEL DESCRIPTIONS

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**1 DVI-D Input Connector**

This input will support one DVI-D type source device. The DVI to Mini DP Converter will convert this signal to a DisplayPort compatible signal.

**2 Service Port**

This port is for factory use only.

**3 Power LED Status Indicator**

This LED will be active while power is being supplied to the DVI to Mini DP Converter via the included power supply.

**4 Mini DisplayPort Output Connector**

This input will support one Mini DisplayPort type output device. The DVI to Mini DP Converter will convert an input DVI signal and convert it to a DisplayPort compatible signal.

**NOTE:** A standard Displayport device can easily be connected by using a Mini DisplayPort to DisplayPort adapter cable.

**5 5V DC Power Connector**

This input will accept 5V DC from the included power supply.

**NOTE:** Multiple power adapter plugs (blades) are supplied. Please refer to your region's power standards to determine which power adapter blade is appropriate for use with the DVI to Mini DP Converter.

Supplied Adapter Blades:

US: United States

UK: United Kingdom

EU: Europe

AU: Australia



## CONNECTING THE DVI TO MINI DP CONVERTER

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### How to Connect the DVI to Mini DP Converter

1. Connect a DVI source device to the DVI input connector on the DVI to Mini DP Converter using the supplied DVI cable.
2. Connect a Mini DisplayPort display to the Mini DisplayPort output connector on the DVI to Mini DP Converter using a user/device supplied Mini DisplayPort cable.
3. Locate the appropriate power adapter connector (blade) for your region and attach this to the included power supply. The following power adapter blades are supplied:

US: United States

UK: United Kingdom

EU: Europe

AU: Australia

To connect power connector blade to the power supply please follow these steps:

1. Locate the side of the power supply with the exposed metal contacts. This is the side that will accept the power connector blade.
2. Each power connector blade has a small notch on one end and an indent on the opposite side. Insert the notched end of the power connector blade into the top portion of the opening on the power supply. The notch on the power connector blade should slide into a slot inside the opening on the power supply.
3. Apply pressure to the opposite end of the power connector blade, pressing it into the power supply until it clicks into place. Please ensure that the attachment is secure and does not come loose when pulling the power connector blade away from the power supply.

**NOTE:** To disconnect the power connector blade from the power supply, simply press and pull the spring loaded locking tab toward the portion of the housing where the cable connects to the power supply. The power connector blade should easily pull away from the power supply.

4. Connect the power connector blade of the power supply to an open wall power socket.
5. Connect the opposite end of the power supply cable to the 5V DC power connector on the DVI to Mini DP Converter. The power LED should become active.

## SPECIFICATIONS

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Input Connector .....	(1) DVI-D
Output Connector .....	(1) Mini DisplayPort
Power Indicator .....	(1) LED (Blue)
Power supply .....	100-240VAC, 50/60Hz (Uses special AC adaptor , type 3A-154WP05 of ENG Electric Co., Ltd.)
Power Consumption .....	2.6 A (13 Watts Max.)
Input Resolution .....	DVI-D Single Link 1920x1200 @ 60 Hz
Output Resolution .....	Mini DisplayPort 1920x1200 @ 60 Hz
Size .....	3.67" (94mm) W x 1.19" (30mm) H x 5.25" D (134mm)
Shipping weight .....	3 lbs.