



# Gefen

®

## 1:4 DVI Distribution Amplifier

EXT-DVI-144N  
USER MANUAL



Gefen

1:4 DVI Splitter

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

## ASKING FOR ASSISTANCE

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### Notice

Gefen, LLC reserves the right to make changes in the hardware, packaging and any accompanying documentation without prior written notice.

**1:4 DVI Distribution Amplifier** is a trademark of Gefen, LLC  
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# INTRODUCTION

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Gefen's 1:4 DVI Distribution is a distribution hub that sends the same DVI graphics source to up to four DVI digital displays (flat panels or projectors). It is a reliable solution that accommodates four digital video displays at the same time, creating a multi-viewing environment that maintains the highest resolution video at all times.

## How It Works

The 1:4 DVI Distribution Amplifier is connected with a DVI (male to male) cable from the DVI graphic source to the 1:4 DVI Distribution Amplifier input. There are four DVI outputs. DVI output one is the primary connection and is used for the main display. DVI outputs two through four follow the main display.

# OPERATION NOTES

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## READ THESE NOTES BEFORE INSTALLING OR OPERATING THE 1:4 DVI DISTRIBUTION AMPLIFIER

- **Display information (EDID) is sent from the display connected to DVI Output Port 1 to the source connected to the 1:4 DVI Distribution Amplifier. (See note on page 4 for additional information)**
- The 1:4 DVI Distribution Amplifier is not HDCP compliant
- The 1:4 DVI Distribution Amplifier will only output a DVI-D (DVI Digital) signal
- Compatible with all DVI displays

# FEATURES

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## Features

- Connects computers with DVI video to up to four DVI monitors/projectors
- Allows simultaneous display
- Maintains video resolutions up to the highest DVI single link resolution of 1920 x 1200
- Supports DDWG standard for DVI monitors

## Includes:

- (1) 1:4 DVI Distribution Amplifier
- (1) 6ft DVI cable (M-M)
- (1) 5V DC Power Supply
- (1) Rack Ears
- (1) User Manual

**Front Panel**



Power LED  
Indicator

**Back Panel**



5V DC Power  
Input

DVI Input  
Port 1\*

DVI Output  
Port 1

DVI Output  
Port 2

DVI Output  
Port 3

DVI Output  
Port 4

\*See Note on page 4

### How to Connect the 1:4 DVI Distribution Amplifier

- 1 Connect the supplied cable from the computer DVI source into the DVI input port of the 1:4 DVI Distribution Amplifier.
- 2 Connect the user supplied cable(s) from your display(s) into the DVI output port(s)\* of the 1:4 DVI Distribution Amplifier.
- 3 Plug the 5V DC power supply into the 1:4 DVI Distribution Amplifier.

**NOTE:** \*Display information (EDID) is sent from the display connected to HDMI Output Port 1 to the source connected to the 1:4 DVI Distribution Amplifier.

The source will output resolutions and timings according the EDID that is being fed by the 1:4 DVI Distribution Amplifier. Therefore, all of the connected displays must be capable of accepting the timings and resolution output by the source. It is recommended that the display with the lowest native resolution be connected to DVI output port 1. This is to ensure that a compatible video signal will be able to be displayed on all connected monitors.

## RACK EARS INSTALLATION DIAGRAM

Rack mount ears are provided for installation of this unit into a 1U rack mount space.

1. Locate the side screws on the unit.
2. Remove the front 2 screws that are located closest to the front of the unit.
3. Using the removed screws, screw the rack mounting bracket into the unit.
4. Repeat the procedure on the opposite side of the unit.





## SPECIFICATIONS

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Video Amplifier Bandwidth .....	165 MHz
Input Video Signal .....	1.2 Volts p-p
Input DDC Signal .....	5 Volts p-p (TTL)
Single Link Range (Max. Resolution).....	1920 x 1200
Input Connector Type .....	DVI-I 29 pin female (DVI-D digital only)
Output Connector Type .....	DVI-I 29 pin female (DVI-D digital only)
Power Consumption .....	5 Watts (max.)
Power Supply .....	5V DC @ 5W max.
Rack Mountable .....	1U Rack Space
Dimensions .....	17.1"W x 1.7"H x 4.2"D
Shipping Weight .....	5 Lbs

## **WARRANTY**

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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) year 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. The two year warranty is only valid on new products purchased as of January 2007. All products purchased before this date still retain their 1 year warranty.

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.

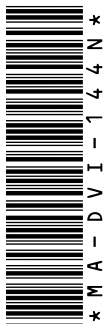
1. Proof of sale may be required in order to claim warranty.
2. Customers outside the US are responsible for shipping charges to and from Gefen.
3. Copper cables are limited to a 30 day warranty and cables must be in their original condition.

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 1:4 DVI Distribution Amplifier 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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