

# Gefen

## 1:4 DVI Distribution Amplifier

Model # EXT-DVI-144N

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.

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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 .....	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 .....	20 Watts (max.)
Power Supply .....	5V DC
Rack Mountable .....	1U Rack Space
Dimensions .....	17.75"W x 1.75"H x 4.25"D
Shipping Weight .....	4 Lbs