

# Gefen<sup>®</sup>

## 1x8 DVI DA

EXT-DVI-148  
USER MANUAL



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

**1080P**  
PROGRESSIVE

**HDTV**

## ASKING FOR ASSISTANCE

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### Notice

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# INTRODUCTION

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Congratulations on your purchase of the Gefen 1x8 DVI Distribution Amplifier. Your complete satisfaction is very important to us.

Gefen's line of HDTV switches, extenders, and splitters are designed to make your A/V equipment use more comfortable, more productive and less expensive.

The 1x8 DVI DA allows one HDTV device to be outputted on up to eight HDTV displays. All output displays will have mirrored images.

The Gefen line offers solutions for Home Theater, AV installation, data center, information distribution, conference room presentation, school and corporate training environments.

## Our Commitment

Gefen will always offer the finest quality product at the best possible price. Included in that price is a lifetime support from a team of outstanding engineers.

The Gefen 1x8 DVI DA allows one HDTV DVI device to be distributed easily in to eight HDTV DVI compatible monitors or projectors. Simply connect your HDTV displays to the DA's display outputs. The 1x8 DVI DA can also be placed at the end of a long DVI cable to regenerate the DVI signal.

# FEATURES

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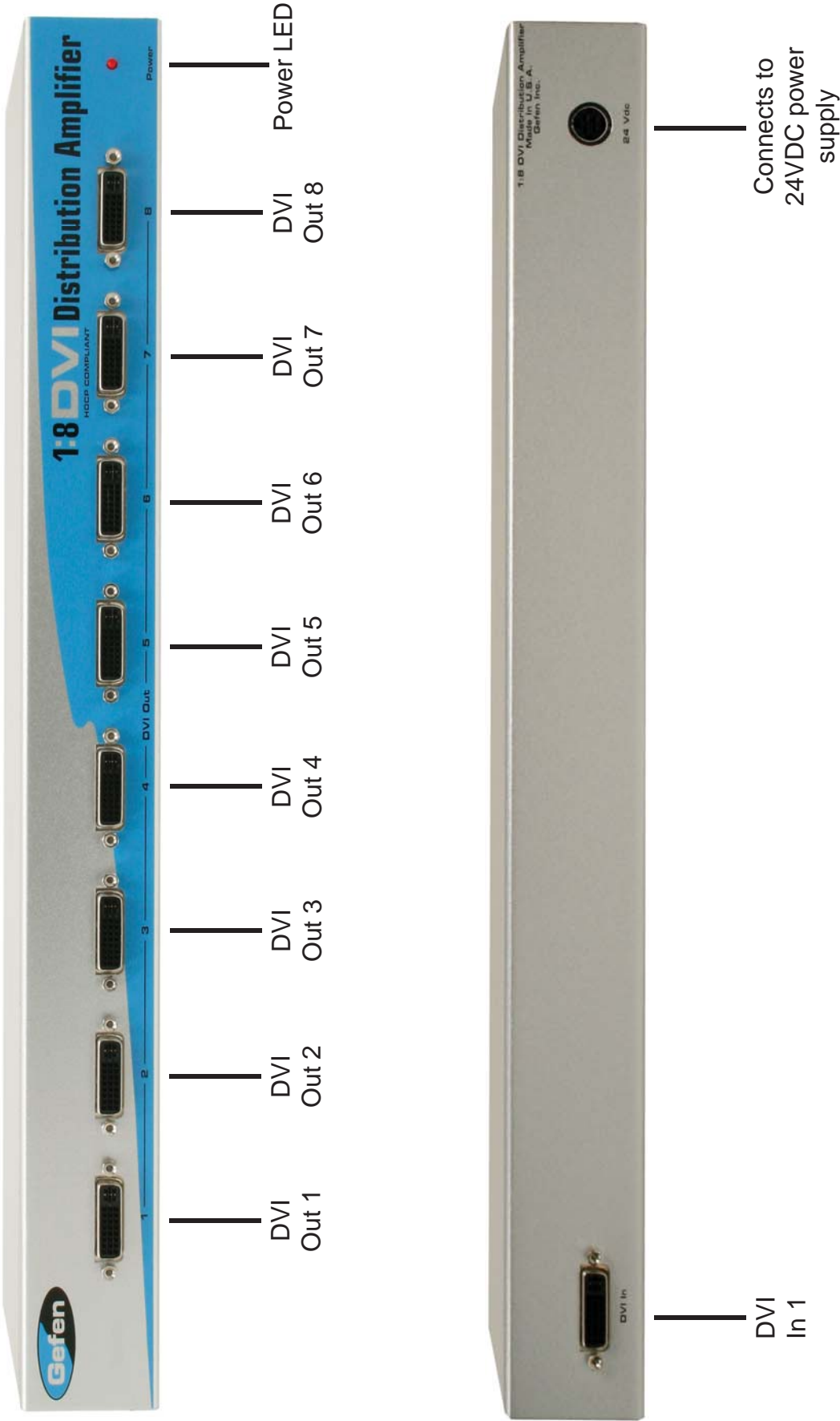
## Features

- Distributes easily up to eight DVI/HDMI displays
- Maintains 480i, 480p, 720p, 720i, and 1080i, 1080p resolutions
- Maintains high resolution video - beautiful, sharp HDTV resolutions up to 1080p, 2k, and computer resolutions up to 1920 x 1200 are easily achieved
- Maintains highest DVI single link video resolution
- Maintains highest DVI digital audio signal
- Supports HDCP compliant devices
- DVI or DVI to HDMI cables are used to connect the inputs and switcher output
- Installs in seconds

## Includes:

- (1) 1x8 DVI DA
- (1) 6' DVI cables (M-M)
- (1) 24VDC Power Supply
- (1) Rack Ears
- (1) Users Manual

PANEL DESCRIPTIONS



### How to Connect the 1x8 DVI DA to your devices

- 1** Connect the supplied cable from the HDTV DVI source into the single input connector on the 1x8 DVI Distribution Amplifier.
- 2** Connect the cables from your monitors or projectors into the DVI output connectors of the 1x8 DVI Distribution Amplifier.
- 3** Plug the 24V DC power supply into the 1x8 DVI Distribution Amplifier.



### DIP SWITCH EDID GUIDE

Extended display identification data (EDID) is a data structure provided by a display to describe its capabilities to any source that asks for it. The EDID includes manufacturer name, product type, timings supported by the display, display size, luminance data, (for digital displays only) pixel mapping data, supported audio channels and formats. This information is used by the source to cater its output to resolutions and audio formats that are supported by the display.

Additional EDID modes are available and configured using a combination of dip switches 1, 2, and 5. Please refer below for the different EDID modes.

To access the Dip Switches, remove all screws from the bottom and sides of the Gefen unit. Remove the hex screw heads from each side of the rear DVI port. Carefully slide the unit apart. The 8 Bank of Dip Switches are located on the main PCB. Once adjustments are complete, slide the unit back together and replace all removed screws.

EDID Mode 0 (Switch 1=OFF Switch2=OFF Switch5=ON)

-EDID is copied from the first HDMI port

EDID Mode 1 (Switch 1=ON Switch2=OFF Switch5=ON)

-Same as Mode 0 and adds basic audio support

EDID Mode 2 (Switch 1=OFF Switch2=ON Switch5=ON)

-Same as Mode 0 and adds full audio support

EDID Mode 3 (Switch 1=ON Switch2=ON Switch5=OFF)

-EDID is generated based on the common video and audio features of all of the connected devices

EDID Mode 4 (Switch 1=OFF Switch2=ON Switch5=OFF)

-Same as Mode 3 and adds basic audio support

EDID Mode 5 (Switch 1=ON Switch2=OFF Switch5=OFF)

-Same as Mode 3 and adds full audio support

EDID Mode 6 (Switch 1=OFF Switch2=OFF Switch5=OFF) **DEFAULT**

-EDID is generated based on the common video features of all of the connected devices and the combined audio features of all of the connected devices

# 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 .....	1080p / 1920 x 1200
Input Connector Type .....	DVI (Digital Only)
Output Connector Type .....	DVI (Digital Only)
Power Consumption .....	60 Watts (max.)
Power Supply .....	24VDC
Dimensions .....	17"W x 1.6"H x 5.4"D
Shipping Weight .....	6 Lbs
Rack Mountable.....	1U rack space