



# Gefen<sup>tv</sup>

1:4 Gefen TV Splitter

GTV-HDMI1.3-144

User Manual

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

**1080P**  
PROGRESSIVE

**HDMI**  
HIGH DEFINITION MULTIMEDIA INTERFACE

**GDTV**

**HD DVD**

**Blu-ray Disc**

## ASKING FOR ASSISTANCE

---

### Technical Support:

Telephone (818) 772-9100  
(800) 545-6900

Fax (818) 772-9120

### Technical Support Hours:

8:00 AM to 5:00 PM Monday thru Friday.

### Write To:

Gefen Inc.  
c/o Customer Service  
20600 Nordhoff St  
Chatsworth, CA 91311

[www.gefentv.com](http://www.gefentv.com)  
[support@gefen.com](mailto:support@gefen.com)

### Notice

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

**1:4 Gefen TV Splitter** is a trademark of Gefen Inc.

# CONTENTS

---

1. Introduction
2. Operation Notes
3. Features / HDMI 1.3 Features / Package Includes
4. Panel Descriptions
5. Connecting and Operating the 1:4 Gefen TV Splitter / EDID Button / Reset Button
6. Wiring Diagram
7. Specifications
8. Warranty

# INTRODUCTION

---

Congratulations on your purchase of the 1:4 Gefen TV Splitter. Your complete satisfaction is very important to us.

## **Gefen TV**

Gefen TV is a unique product line catering to the growing needs for innovative home theater solutions. We specialize in total integration for your home theater, while also focusing on going above and beyond customer expectations to ensure you get the most from your hardware. We invite you to explore our distinct product line and hope you find your solutions.. Don't see what you are looking for here? Please call us so we can better assist you with your particular needs.

## **The Gefen TV Splitter**

The Gefen TV 1:4 Splitter for HDMI allows a single HDMI device to be mirrored to four HDMI displays. When two or more Gefen TV HDMI 1:4 splitter units are connected together, they can be used to create a larger video signal distribution. This unit supports HDMI 1.3 features and passes the higher bandwidth HDMI 1.3 signal for the ultimate in state-of-the-art HDMI signal duplication.

## **How It Works**

The Gefen 1:4 Splitter for HDMI 1.3 is connected using an HDMI cable from the HDMI source to the HDMI splitter input. There are four HDMI outputs. Each output is connected to an HDMI display. Power is cycled for all equipment, then all connected displays will show a crisp, clear replica of the source video signal.

## OPERATION NOTES

---

### READ THESE NOTES BEFORE INSTALLING OR OPERATING THE 1:4 GEFEN TV SPLITTER

- Display information (EDID) is sent from the display connected to HDMI output port 1 to the source. If there is no display connected to HDMI output port 1, the remaining HDMI output ports will be scanned in succession and use the first EDID that it detects. (See note on page 5 for additional information)
- HDMI 1.3a compliant (please see the next page for supported HDMI 1.3 options)
- HDCP compliant
- Compatible with all HDMI and DVI\* displays

\*When used with a HDMI to DVI adapter



# FEATURES

---

## Features

- HDMI and HDCP compliant
- Connects up to four HDMI™ / DVI displays at the same time to one video source
- Maintains beautiful, sharp HDTV resolutions up to 1080p, 2k, and computer resolutions up to 1920 x 1200 are easily achieved
- Small, light and compact

## HDMI 1.3 Features

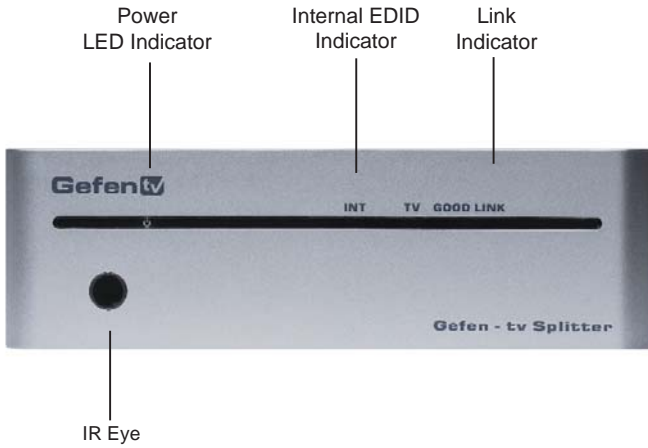
- Lip-Sync Pass Through
- 225 MHz (up to 12 bit YUV 444 supported @ 1080p)
- Deep Color Supported (XV Color Supported)
- Color Space Conversion Supported
- Dolby TrueHD & DTS HD Master Audio Supported
- CEC Pass Through

## Package Includes

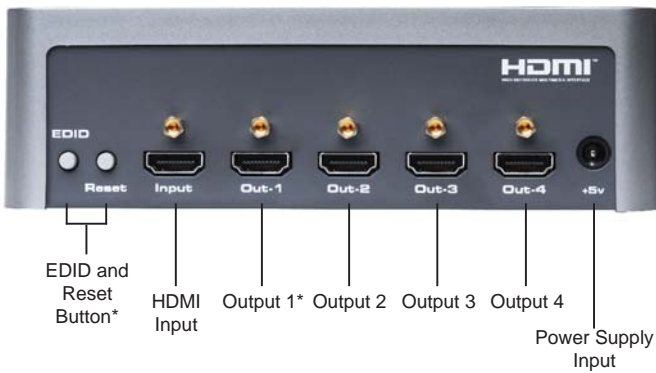
- (1) Gefen TV Switcher
- (1) 6' HDMI cable (M-M)
- (1) 5V DC Power Supply
- (1) User Manual

# PANEL DESCRIPTIONS

## Front Panel



## Back Panel



\*Please see page 5 for additional information

# **CONNECTING AND OPERATING THE 1:4 GEFEN TV SPLITTER**

---

## **How to Connect the 1:4 Gefen TV Splitter**

1. Connect the HDMI source to the 1:4 Gefen TV Splitter using the supplied HDMI cable.
2. Connect the displays (up to four) to the 1:4 Gefen TV Splitter using user supplied HDMI cables.
3. Plug the 5VDC power supply into the Gefen TV Switcher and power outlet.

**NOTE:** Display information (EDID) is sent from the display connected to HDMI output port 1 to the source. If there is no display connected to HDMI output port 1, the remaining HDMI output ports will be scanned in succession and use the first EDID that it detects. The source will output resolutions and timings according to the EDID that is being fed by the display connected to output port 1. 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 HDMI output port 1. This is to ensure that a compatible video signal will be able to be displayed on all connected monitors. Optionally, you can use a generic 1080i EDID that is pre-stored on the 1:4 Gefen TV Splitter. Please see the below section on how to use this EDID instead of using the EDID from display output 1.

## **DEVICE BUTTONS**

---

### EDID Button

There is a generic 1080i EDID stored in the 1:4 Gefen TV Splitter. This can be used instead of the EDID from display output 1. Press the EDID button on the rear panel of the unit. The INT LED on the front panel should be lit. This will indicate that the onboard EDID is being used in lieu of any display EDID.

**NOTE:** The unit must be reset before the new EDID can take effect. Once the internal EDID indicator is lit, press the reset button to recycle power and activate the new EDID. The same process must be followed when disabling the internal EDID and returning the unit to using the EDID from output port 1.

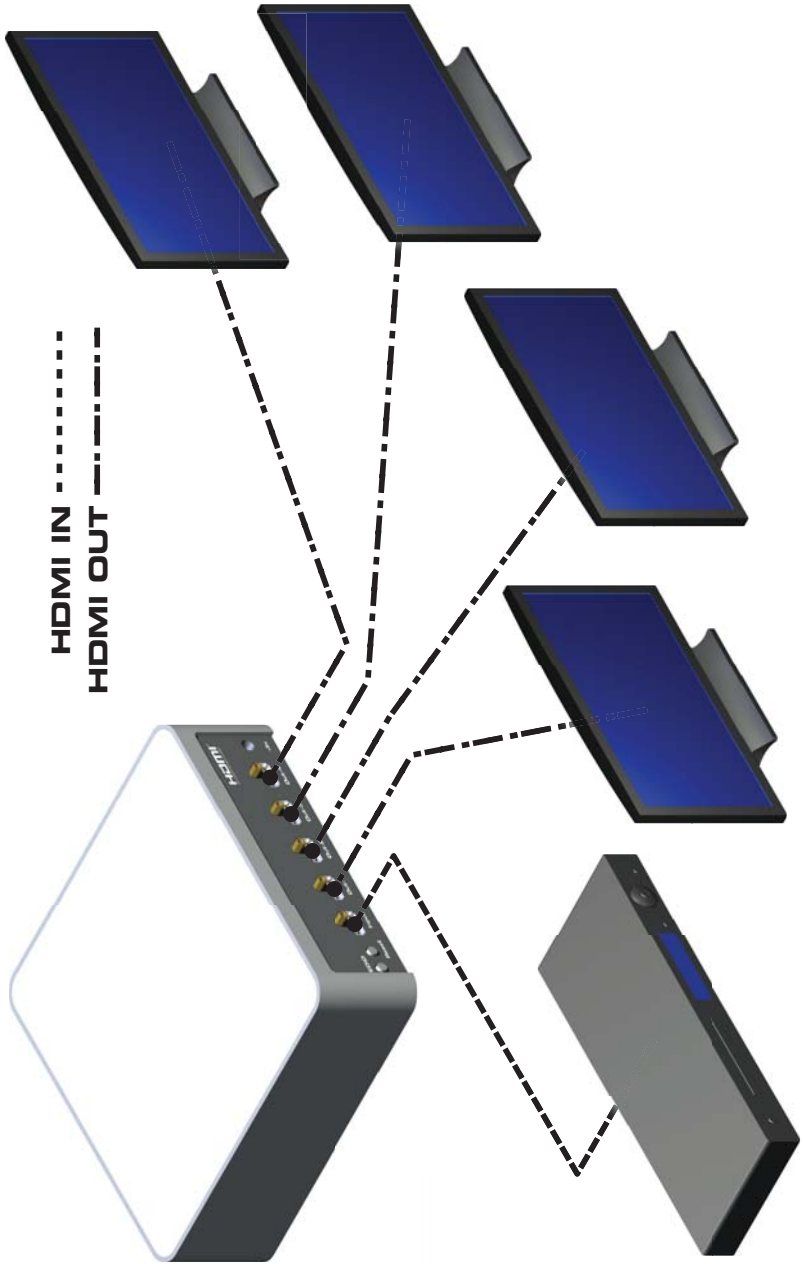
### Reset Button

Pressing the reset button will recycle power and activate the selected EDID routing method. If the internal EDID indicator is lit, pressing this button will reset the unit for use with the internal EDID. Pressing this button while the internal EDID indicator is not lit will reset the unit and set itself to use the EDID from output port 1.



# WIRING DIAGRAM

---



## SPECIFICATIONS

---

Video Amplifier Bandwidth .....	225 MHz
Input Video Signal .....	1.2 Volts p-p
Input DDC Signal .....	5 Volts p-p (TTL)
Single Link Range .....	1080p/60 12 bit color depth, 1920x1200
HDMI Connector .....	Type A, 19 pin female
Dimensions .....	12"W x 1.25"H x 4.25"D
Power Consumption .....	10 watts (maximum)
Power Supply .....	5V DC
Shipping Weight .....	5 lbs.