

Gefen

1:4 Splitter For HDMI™ 1.3

EXT-HDMI1.3-144

User Manual



www.gefen.com

1080P
PROGRESSIVE

HDMI™
HIGH DEFINITION MULTIMEDIA INTERFACE

HDTV

Blu-ray Disc™

ASKING FOR ASSISTANCE

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Notice

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CONTENTS

- 1 Introduction**
- 2 Operation Notes**
- 3 Features**
- 4 Panel Layout**
- 5 Panel Descriptions**
- 6 Connecting And Operating The 1:4 Splitter For HDMI 1.3**
- 7 Specifications**
- 8 Warranty**

INTRODUCTION

Congratulations on your purchase of the 1:4 Splitter For HDMI 1.3. 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 1:4 Splitter For HDMI 1.3

The Gefen 1:4 Splitter for HDMI 1.3 allows set-top boxes, DVD players, and other HDTV devices to be connected to four or more HDTV displays. When two or more Splitters are connected together, they can be used to create a larger video signal distribution.

This new 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 HDMI 1:4 Splitter is connected using an HDMI cable from the HDMI video source to the HDMI splitter input. There are four HDMI outputs. Each output is connected to an HDMI display. Power is connected and all connected displays show an exact replica of the video signal that is input to the Splitter.

Note: This HDMI product supports BOTH Audio and Video signals.

All displays that cannot show the same video resolution(s) as the Primary Display connected to Output #1 may fail to show a picture. Secondary displays follow the Primary by sharing the resolution and capability information (EDID) obtained from the Primary Display.

OPERATION NOTES

READ THESE NOTES BEFORE INSTALLING OR OPERATING THE 1:4 SPLITTER FOR HDMI 1.3

- Display information (EDID) is needed by the source to determine the capabilities of the connected display. This is especially important for HDMI 1.3 sources because without the right information in the EDID none of the features for HDMI1.3 will be enabled. The 1:4 Splitter For HDMI 1.3 features an EDID selection that will allow the user to choose an external EDID from an attached display or an built-in internal EDID. Please see page 6 for more details.
- The source device will output a single video resolution that all displays must be capable of accepting.
- This devices is HDMI 1.3 compliant. Please see page 3 for supported HDMI 1.3 features.
- Supports HDTV resolutions up to 1080p Full HD and computer resolutions of 1900 x 1200.

FEATURES

Features

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

HDMI 1.3 Features

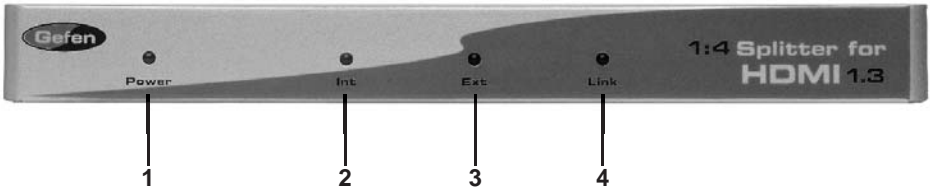
- Lip-Sync Pass Through
- 225 MHz (up to 12 bit YUV 444 supported @ 1080p)
- Deep Color Supported (XV Color Supported)
- Color Space Conversion Supported
- Dolby TrueHD & DTS Master Supported
- CEC Pass Through

Package Includes

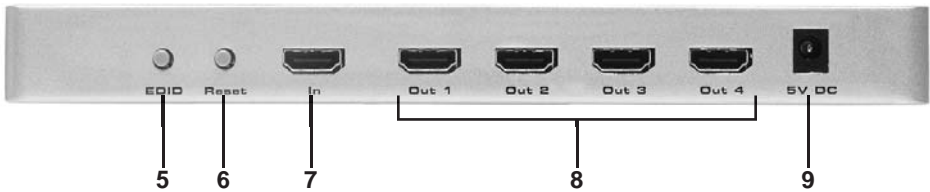
- (1) 1:4 Splitter For HDMI 1.3
- (1) 5V DC Power Supply
- (1) 6 Foot HDMI Cable (M-M)
- (1) User's Manual

PANEL LAYOUT

Front Panel



Back Panel



PANEL DESCRIPTIONS

1 Power LED Indicator

This LED indicator will become active once the included 5V DC power adapter has been properly connected.

2 Internal EDID LED Indicator

This LED indicator will become active when the internal EDID has been selected. This is a built-in EDID.

3 External EDID LED Indicator

This LED indicator will become active when the external EDID has been selected. This is the EDID from the display connected to HDMI output port 1.

4 Link LED Indicator

This LED indicator will become active when a link between the source device and the 1:4 Splitter For HDMI 1.3 has been established.

5 EDID Selector Button

Pressing this button will cycle between the internal and external EDID modes. Changing to a new mode will not take effect until the unit is reset.

6 Reset Button

This button will cycle power on the 1:4 Splitter For HDMI 1.3. If the EDID mode has been changed it will not take effect until the unit has been reset.

7 HDMI Input Port

Connect an HDMI or DVI (with a DVI to HDMI adaptor or cable) source device to this input port.

8 HDMI Output Ports 1 - 4

Connect up to 4 HDMI or DVI (with a HDMI to DVI adapter or cable) displays to these output ports. The display connected to the port labeled OUT 1 will have its EDID used when the external mode is active.

9 5V DC Power Input

Connect the included 5V DC power supply to this input port.

CONNECTING AND OPERATING THE 1:4 SPLITTER FOR HDMI 1.3

How to Connect the 1:4 Splitter For HDMI 1.3

1. Connect the HDMI or DVI (with a DVI to HDMI adapter or cable) source device to the 1:4 Splitter For HDMI 1.3 HDMI input port using the supplied HDMI cable.
2. Connect up to 4 HDMI or DVI (with a HDMI to DVI adapter or cable) displays to the 1:4 Splitter For HDMI 1.3 output ports using user supplied HDMI cables.

NOTE: The display connected to the port labeled OUT 1 will have its EDID used when the external EDID mode is active. If there are displays with different resolutions in the setup it is recommended that the display with the lowest resolution be placed on the port OUT 1. This way, all of the displays will be able to output an image when the external EDID mode is active.

3. Connect the included 5V DC power adapter to the 1:4 Splitter For HDMI 1.3 power input port.
4. Power on the displays first and then the source.

How to Operate the 1:4 Splitter For HDMI 1.3

The EDID source is selectable between the display connected to the output port labeled OUT 1 or the built-in internal EDID. These 2 modes are selectable by cycling the EDID button located on the back panel. To switch modes, follow the instructions below.

1. Note the current EDID mode by viewing the front panel's LED array. If the INT LED is active the internal EDID mode is in use. If the EXT LED is active the external EDID mode is in use.
2. If the current mode is not the desired EDID mode, press the EDID button on the rear panel. The active LED will now switch.
3. Press the reset button to cycle power and initiate the newly selected EDID mode.

The EDID carries import information that the source reads to determine what resolutions and features are supported. The internal EDID has support for resolutions up to 1080p and includes Dolby TrueHD and DTS-HD features.

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
Power Consumption	13 Watts (max)
Power Supply	5V DC 2.6 Amp
Dimensions	12"W x 1.25"H x 4.25"D
Shipping Weight	5 lbs.