Gefen

1:2 Splitter For
HDMI™ 1.3

EXT-HDMI1.3-142

User Manual

www.gefen.com

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.gefen.com
support@gefen.com

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

1:2 Splitter For HDMI 1.3 is a trademark of Gefen Inc.

CONTENTS

INTRODUCTION

Congratulations on your purchase of the 1:2 Splitter For HDMI. 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 1:2 Splitter For HDMI

The Gefen 1:2 Splitter for HDMI 1.3 allows set-top boxes, DVD players, Blu-ray players and other HDTV devices with HDMI outputs to be connected to up to two HDTV displays (or more if multiple splitters are utilized in place of HDTV displays).

How It Works

The 1:2 HDMI 1.3 Splitter is a distribution hub that sends the same HDMI signals to up to two HDTV digital displays. You simply connect your HDMI video source to the 1:2 HDMI 1.3 Splitters HDMI input jack, then connect your HDMI-compatible displays to each of the HDMI outputs. Power-cycle all equipment and you should see beautiful, sharp HDMI video on all of your HDMI displays.

READ THESE NOTES BEFORE INSTALLING OR
OPERATING THE 1:2 SPLITTER FOR HDMI

- **By default, display information from the display connected to HDMI output port 1 is sent back to the source. Therefore, the other display connected to the 1:2 Splitter for HDMI 1.3 must be capable of accepting the timings and resolutions of the display that is connected to HDMI output port 1. 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. There is a generic EDID programmed into the 1:2 Splitter for HDMI 1.3 that can be used instead. Please see page 6 for more details.**

- HDMI/HDCP compliant

- Compatible with all HDMI and DVI* displays

*When used with a HDMI to DVI adapter

Features

- Connects up to two HDMI / DVI displays from one HDMI source

- Optionally add more displays by connecting splitters

- Easily attains resolutions up to 1080p, 2k, and 1920 x 1200

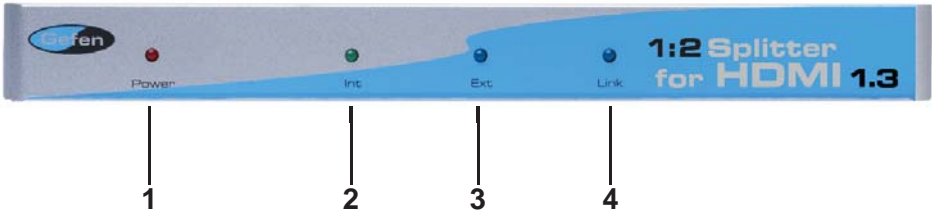- HDMI and HDCP compliant

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

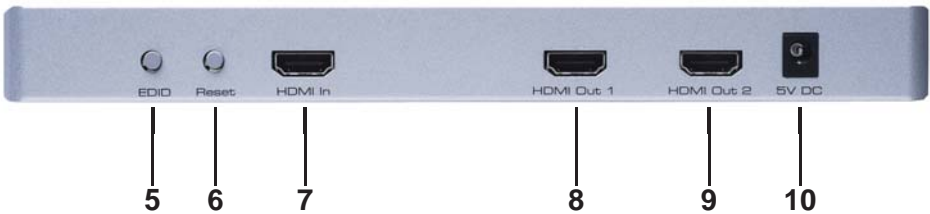- Dolby Tru-HD & DTS Master Supported

- CEC Pass Through

Includes:

(1) 1:2 Splitter for HDMI 1.3
(1) 6 ft HDMI cable (m-m)
(1) 5V DC Power Supply
(1) User's Manual

PANEL DESCRIPTIONS

Front Panel

Back Panel

1 Power LED
This LED will activate once a valid power source is applied.

2 Internal EDID LED
This LED will activate only when the pre-programmed internal EDID is being used. Please see page 6 for more details on the internal EDID.

3 External EDID LED (default EDID routing)
This LED will activate only when the external EDID is being used. Please see page 6 for more details on the external EDID.

4 Link LED
This LED will activate when a valid link between the source and the splitter is detected.

5 EDID Button
This button will activate the onboard EDID. Press this button (the Int. EDID should turn on and the Ext. LED should turn off) and reset the unit using the Reset button (below) to initialize this EDID mode. To use an external EDID, press the EDID button again (the Int. LED should turn off and the Ext. LED should turn on) and press the Reset button to initialize this EDID mode.

6 Reset Button
This button will reset the unit and initialize whichever EDID mode is currently selected.

7   HDMI Input
This is the input for the HDMI source device. When a valid source is detected by the splitter, the Link LED will activate.

8   HDMI Out 1
This is the first HDMI output port. Connect a valid HDMI display to this port. When the External EDID mode is active, the EDID form the display connected to this port will be used to send to the source.

9   HDMI Out 2
This is the second HDMI output port. Connect a valid HDMI display to this port.

10 5V DC Power Input
This port is for the included 5V DC power supply. When a valid 5V power supply is attached, the Power LED will activate.

CONNECTING AND OPERATING THE 1:2 SPLITTER FOR HDMI

How to Connect the 1:2 Splitter For HDMI 1.3

1. Connect the supplied cable from the HDMI source into the 1:2 Splitter for HDMI 1.3 input.

2. Connect the cables from your displays (monitor or projector) into the HDMI outs of the 1:2 Splitter for HDMI 1.3. Up to 2 displays are supported.

3. Plug the 5V DC power supply into the 1:2 Splitter for HDMI 1.3.

NOTE: By Default, the display information from the display connected to HDMI output port 1 is sent back to the source. Therefore, the other display that is connected to the 1:2 Splitter for HDMI 1.3 must be capable of accepting the timings and resolutions of the display that is connected to HDMI output port 1. 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. There is a generic EDID programmed into the 1:2 Splitter for HDMI 1.3 that can be used instead. Please see below for the activation process.

EDID MODE

The HDMI 1:2 has an EDID button which will determine if the EDID is used from the display attached to output 1 (Ext. mode) or if the onboard EDID (Int. mode) will be used.

The current EDID mode can be determined by which EDID mode LED is active on the front panel. The Ext LED will indicate that the external EDID (from output port 1) is being used, and the Int LED will indicate that the internal pre-programmed EDID is being used.

If you want to use the onboard EDID, press the EDID button on the rear panel and then press the reset button to activate the new EDID mode. To revert back to using the external EDID, press the EDID button again and then reset the unit using the reset button to activate the new EDID mode.

Listed Resolutions in the Internal EDID:

1280x720p	50 Hz	(Naitive)
1280x720p	59.94 / 60 Hz	(Naitive)
1920 x 1080i	50 Hz	
1920 x 1080i	59.94 / 60 Hz	
720 x 480p	59.94 / 60 Hz	
720 x 576p	50 Hz	
1920 x 1080p	50 Hz	
1920 x 1080p	59.94 / 60 Hz	
1440 x 480p	59.94 / 60 Hz	
1440 x 576p	50 Hz	

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/1920 x 1200

HDMI Connector .... Type A 19 Pin Female

Power Supply .... 5V DC

Power Consumption .... 10 Watts (max)

Dimensions .... 10.25"W x 1"H x 4.25"D

Shipping Weight .... 5 lbs.