



Distribute an HDMI 1.3 source to 10 displays

Optional Accessories



HDMI Cables

Related Products



1:10 HDMI 1.3 Distribution Amplifier - Black

1:10 HDMI 1.3 Distribution Amplifier - Silver

One HDMI Input, Ten HDMI Outputs

The 1:10 HDMI™ Distribution Amplifier is the perfect solution for anyone who needs to send one source of digital high definition video to multiple displays at the same time. It supports all HDMI™ equipment, such as DVD players and satellite set top boxes and all HDMI displays. HDMI (High-Definition Multimedia Interface) is a digital point to point interface for audio and video signals. In operation, the digital video source is connected to the distribution amplifier on one side. On the other side, ten HDMI outputs are available to be used in part or in full. Once the unit is connected and powered, your source is routed to up to ten digital displays at the same time.

For home theater applications, the unit is HDCP (high bandwidth digital content protection) compliant, making it effective for use with all HDMI displays. HDCP is a standard "key" encoded into the HDMI signal to prevent video data from being pirated. HDCP was strongly endorsed by the entertainment industry. If a source device is HDCP coded and is connected to a HDMI display or projector via HDMI without the proper HDCP decoding mechanism, the picture is relegated to "snow" or in some cases, a very low (480P) resolution. In order to see protected content, the source, the display and any device in between must be equipped with HDMI connections that can enable HDCP using "software key" decoding.

How It Works

Simply connect your HDMI™ video source to the 1:10 HDMI 1.3 Distribution Amplifier's input using the supplied HDMI cable. Then connect up to ten HDMI displays to the unit's ten HDMI outputs. Once connected and powered, your source will be seen on all ten displays at the same time.

Note: 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.

This HDMI product supports BOTH Audio and Video signals.

[DVI, HDCP & HDMI Defined](#)

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

Features:

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

Specifications:

- Single Link 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 Supply: 24VDC
- Power Consumption: 60 watts (max)
- Dimensions: 17"W x 1.75"H x 5.5"D
- Rackmountable: 1U rack space
- Shipping Weight: 8 lbs.

Package Includes:

- 1:10 HDMI Distribution Amplifier
- One 6 foot HDMI cable
- 24V External Power Supply
- Rack Ears
- User's Manual

Product Options:

- Color:
- Silver
- Black



EXT-HDMI1.3-1410-SIL

Gefen

1:10 HDMI 1.3 DA USER MANUAL



www.gefen.com

ASKING FOR ASSISTANCE

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Notice

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HDMI is a trademark of hdmi.org

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INTRODUCTION

Congratulations on your purchase of the Gefen 1:10 HDMI 1.3 Distribution Amplifier. Your complete satisfaction is very important to us.

The 1:10 HDMI™ 1.3 Distribution Amplifier is the perfect solution for anyone who needs to send one source of digital high definition video to multiple displays at the same time. It supports all HDMI™ 1.3 equipment, such as DVD players and satellite set top boxes and all HDMI 1.3 displays. HDMI (High-Definition Multimedia Interface) is a digital point to point interface for audio and video signals. In operation, the digital video source is connected to the distribution amplifier on one side. On the other side, ten HDMI outputs are available to be used in part or in full. Once the unit is connected and powered, your source is routed to up to ten digital displays at the same time.

For home theater applications, the unit is HDCP (high bandwidth digital content protection) compliant, making it effective for use with all HDMI displays. HDCP is a standard “key” encoded into the HDMI signal to prevent video data from being pirated. HDCP was strongly endorsed by the entertainment industry. If a source device is HDCP coded and is connected to a HDMI display or projector via HDMI without the proper HDCP decoding mechanism, the picture is relegated to “snow” or in some cases, a very low (480P) resolution. In order to see protected content, the source, the display and any device in between must be equipped with HDMI connections that can enable HDCP using “software key” decoding.

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 1:10 HDMI 1.3 DA allows one HDTV HDMI device to be distributed easily in to 10 1.3 HDTV HDMI compatible monitors or projectors. Simply connect your HDTV displays to the DA's display outputs. The 1:10 HDMI 1.3 DA can also be placed at the end of a long HDMI cable to regenerate the HDMI signal.

How It Works

Simply connect your HDMI™ video source to the 1:10 HDMI 1.3 Distribution Amplifier's input using the supplied HDMI cable. Then connect up to ten HDMI displays to the unit's ten HDMI outputs. Once connected and powered, your source will be seen on all ten displays at the same time.

FEATURES

Features

- Connects up to ten HDMI™/DVI displays at the same time to one video source
- Allows simultaneous display
- Maintains high resolution video - beautiful, sharp HDTV resolutions up to 1080p, 2k, and computer resolutions up to 1920 x 1200 are easily achieved
- Fully HDMI™ 1.3 compliant
- HDCP compliant
- Includes rack ears

Includes:

- (1) 1:10 HDMI 1.3 Distribution Amplifier
- (1) 6 foot HDMI cable
- (1) 24V External Power Supply
- (1) Set of Rack Ears
- (1) User's Manual



PANEL DESCRIPTIONS



Reset
Power LED
&
Act. LED



EDID
Switch
HDMI
Input

HDMI Output
1-10

Connects to
24VDC power
supply

CONNECTING AND OPERATING THE 1:10 HDMI 1.3 DA

How to Connect the 1:10 HDMI 1.3 DA to your devices

1. Connect the supplied cable from the HDTV HDMI source into the 1:10 HDMI 1.3 DA input.
2. Connect the cables from your displays (monitor or projector) into the HDMI outs of the 1:10 HDMI 1.3 DA.
3. Plug the 24VDC power supply into the 1:10 HDMI 1.3 DA.

EDID SWITCH

The HDMI 1:10 has an EDID Switch which will determine if you are going to use the EDID from the display attached to output 1 or use an onboard EDID.

If you want to use the EDID from the display attached to output 1, make sure the switch is selected to "EXT".

If you want to use the onboard EDID, make sure the switch is selected to "INT" which will give you a generic EDID of 1080i.

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.....	24V DC
Power Consumption.....	.60 watts (max)
Dimensions.....	17"W x 1.75"H x 5.5"D
Rackmountable.....	1U rack space
Shipping Weight.....	8 lbs.