



Convert DVI and audio to HDMI

Optional Accessories



DVI Cables



HDMI Cables

Related Products



HDMI to DVI Audio Adapter

DVI Audio to HDMI Adapter

Convert DVI Video and Audio to HDMI

The DVI Audio to HDMI™ Adapter is a unique device that combines digital video (DVI) and digital audio into HDMI™ to seamlessly integrate into the modern home theater. This adapter connects DVI home theater devices or DVI video graphic cards to HDMI compliant digital monitors. This adapter also takes digital audio and encodes it onto the HDMI signal for the full HDMI video and audio effect. With the DVI Audio to HDMI Adapter home theater devices and computer systems can be easily connected any HDMI display for the full digital video and audio experience.

How It Works

Simply connect the supplied DVI cable to the input side of the DVI Audio to HDMI™ Adapter. Then connect the SPDIF digital audio cable to the audio input of the DVI Audio to HDMI Adapter. Then connect the HDMI display or projector to the HDMI output of the DVI Audio to HDMI Adapter. The adapter encodes the digital audio onto the digital video signal to generate the HDMI signal.

Features:

- Allows you to connect computers with DVI output and SPDIF to an HDMI™ display
- Encodes digital audio onto the video signal for HDMI™ video and audio
- Supports computer resolutions up to 1920x1200 at 60Hz
- Supports HDTV resolutions
- Supports resolutions up to 1080p, 2K, and 1920 x 1200
- HDMI™ compliant
- HDCP pass-through

Specifications:

- Video Amplifier Bandwidth: 165 MHz
- Pixel clock frequency: 24Mhz - 165 Mhz
- Input Video Signal: 1.2 volts p-p
- Input DDC Signal: 5 volts p-p (TTL)
- HDMI Connector: type A (19 pin) female
- DVI Connector: DVI-I (29 pin) female (digital only)
- Audio Connector: SPDIF
- Power Consumption: 10 watts (max)
- Power Supply: 5V DC
- Dimensions: 5"W x 1"H x 4"D
- Shipping Weight: 2 lbs.

Package Includes:

- DVI Audio to HDMI Adapter
- One 5V Power Supply
- One 6 ft DVI Cable
- Users Manual



EXT-DVIAUD-2-HDMI



DVI Audio to HDMI Adapter

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 PST

Write To:

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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.

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INTRODUCTION

Congratulations on your purchase of the DVI Audio to HDMI Adapter. Your complete satisfaction is very important to us.

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

Gefen's line of products also offer solutions for noise, space and security concerns, data center control, 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 of support from a team of outstanding engineers.

Introduction

The DVI Audio to HDMI™ Adapter is a unique device that combines digital video (DVI) and digital audio into HDMI™ to seamlessly integrate into the modern home theaters.

FEATURES

Features

- Allows you to connect computers or other sources with DVI output and SPDIF to an HDMI™ display
- Encodes digital audio onto the video signal for HDMI™ video and audio
- Supports HDTV resolutions
- Supports resolutions up to 1080p, 2K, and 1920 x 1200
- HDMI™ compliant
- HDCP pass-through
- Installs in seconds

Includes:

- (1) DVI Audio to HDMI Adapter
- (1) 5V Power Supply
- (1) 6 ft DVI Cable
- (1) Users Manual



PANEL DESCRIPTIONS

FRONT PANEL



—
DVI Input

—
SPDIF Input

BACK PANEL



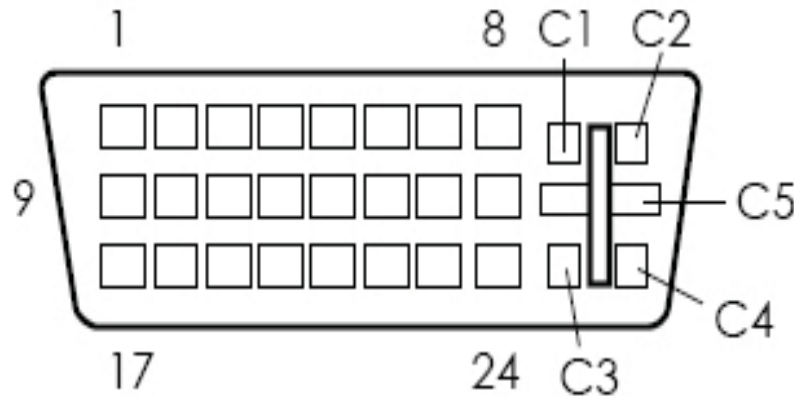
—
HDMI Output

—
Connects to
5VDC power supply

PIN CONFIGURATION

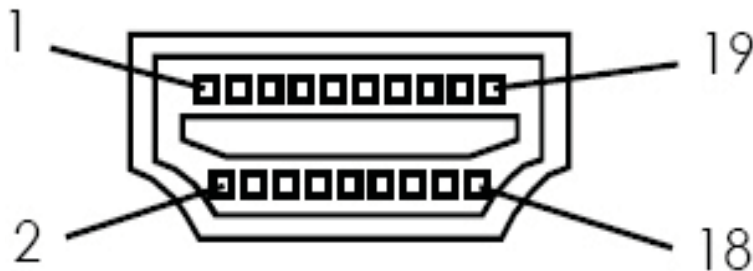
DVI-I Input Pin Assignment

DVI-Digital(DVI-D): Supports digital-only connections between the host computer and display. This interface is designed for a 12 or 24-pin connections to enable single or dual-link mod activation.



Pin	Signal Assignment	Pin	Signal Assignment	Pin	Signal Assignment
1	T.M.D.S. Data2-	9	T.M.D.S. Data1-	17	T.M.D.S. Data0-
2	T.M.D.S. Data2+	10	T.M.D.S. Data1+	18	T.M.D.S. Data0+
3	T.M.D.S. Data2 Shield	11	T.M.D.S. Data1 Shield	19	T.M.D.S. Data0 Shield
4	N.C.	12	N.C.	20	N.C.
5	N.C.	13	N.C.	21	N.C.
6	DDC Clock	14	+5V Power	22	T.M.D.S. Clock Shield
7	DDC Data	15	Ground (for +5V)	23	T.M.D.S. Clock +
8	No Connect	16	Hot Plug Detect	24	T.M.D.S. Clock -
C1	N.C.	C3	N.C.	C3	N.C.
C2	N.C.	C4	N.C.		

HDMI Output Pin Assignment



Pin	Function Assignment	Pin	Function Assignment
1	T.M.D.S. Data2+	2	T.M.D.S. Data2 Shield
3	T.M.D.S. Data2-	4	T.M.D.S. Data1+
5	T.M.D.S. Data1 Shield	6	T.M.D.S. Data1-
7	T.M.D.S. Data0+	8	T.M.D.S. Data0 Shield
9	T.M.D.S. Data0-	10	T.M.D.S. Clock+
11	TMDS Clock Shield	12	T.M.D.S. Clock-
13	CEC	14	Reserved (N.C. on device)
15	SCL	16	SDA
17	DDC/CEC Ground	18	+5V Power
19	Hot Plug Detect		

CONNECTING AND OPERATING THE DVI AUDIO TO HDMI

How to Connect the DVI Audio to HDMI

- 1- Connect your HDMI compliant display to the HDMI female connector at the output side of the DVI Audio to HDMI Adapter.
- 2- Then simply connect the supplied DVI cable, from your source, to the input side of the DVI Audio to HDMI Adapter.
- 3- Then connect the SPDIF digital audio cable, from your audio source, to the audio input of the DVI Audio to HDMI Adapter.
- 4- Connect the power supply.

The adapter encodes the digital audio onto the digital video signal to generate the HDMI signal.

*The DVI Audio to HDMI only accepts DVI-D (digital only).

SPECIFICATIONS

Video Amplifier Bandwidth	1.65 Gbps
Pixel clock frequency	24Mhz - 165 Mhz
Input Video Signal	1.2 volts p-p
Input DDC Signal	5 volts p-p (TTL)
HDMI Connector	Type A (19 pin) Female
DVI Connector	DVI-I (29 pin) female (digital only)
Audio Connector	SPDIF
Power Consumption	10 Watts (max.)
Power Supply	5V DC
Dimensions	5"W x 1"H x 4"D
Shipping Weight	2 Lbs

WARRANTY

Gefen Inc. warrants the equipment it manufactures to be free from defects in material and workmanship.

If equipment fails because of such defects and Gefen Inc. is notified within two (2) year from the date of shipment, Gefen Inc. will, at its option, repair or replace the equipment, provided that the equipment has not been subjected to mechanical, electrical, or other abuse or modifications.

Equipment that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for ninety (90) days from the day of reshipment to the Buyer.

This warranty is in lieu of all other warranties expressed or implied, including without limitation, any implied warranty or merchantability or fitness for any particular purpose, all of which are expressly disclaimed.

1. Proof of sale may be required in order to claim warranty.
2. Customers outside the US are responsible for shipping charges to and from Gefen.
3. Copper cables are limited to a 30 day warranty and cable must be free from any scratches, markings, and neatly coiled.

The information in this manual has been carefully checked and is believed to be accurate. However, Gefen Inc. assumes no responsibility for any inaccuracies that may be contained in this manual. In no event will Gefen Inc., be liable for direct, indirect, special, incidental, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. The technical information contained herein regarding the DVI Audio to HDMI features and specifications is subject to change without notice.