

HDMI to DVI + SPDIF (Coaxial) Converter

Operation Manual



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1. Introduction

This HDMI to DVI + SPDIF converter is designed to convert video and audio signals from HDMI sources into DVI/Coaxial audio output. Allowing you to connect HDMI sources to a display with DVI input while at the same time extracting audio signals from the same source to an audio receiver, this converter does not dissapoint. The HDMI converter box also amplifies and equalizes incoming TMDS data before re-transmitting it in optimal quality regardless of its original signal strength. Now if you connect this converters output to an HDMI device, with a DVI to HDMI cable or adapter, this can then be utilized as an HDMI repeater, making the HDMI to DVI + SPDIF converter an essential tool for those who need to convert video and audio signals into DVI/Coaxial audio output.

2. Features

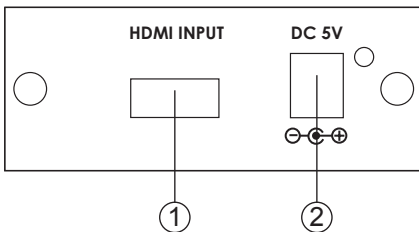
- HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant.
- HDMI input and DVI (or HDMI, using proper cable/adapter) with Coaxial output.
- Automatically detects the input format between digital RGB and YPbPre.
- Supports input/output video resolutions up to UXGA (PC) or 1080p@60Hz (HDTV).
- Supports input/output of digital audio signals like LPCM, Dolby Digital or DTS.
- HDMI signal amplification and equalization supported.
- Easy to install and operate.

3. Package Contents

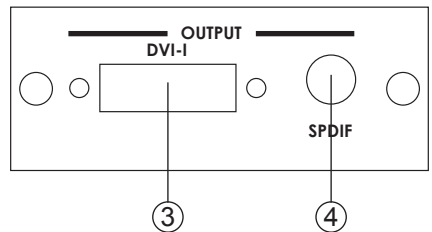
- HDMI to DVI + SPDIF(Coaxial) Converter
- 5V DC power supply adaptor
- Operation Manual

4. Operation Controls and Functions

4.1. Front Panel



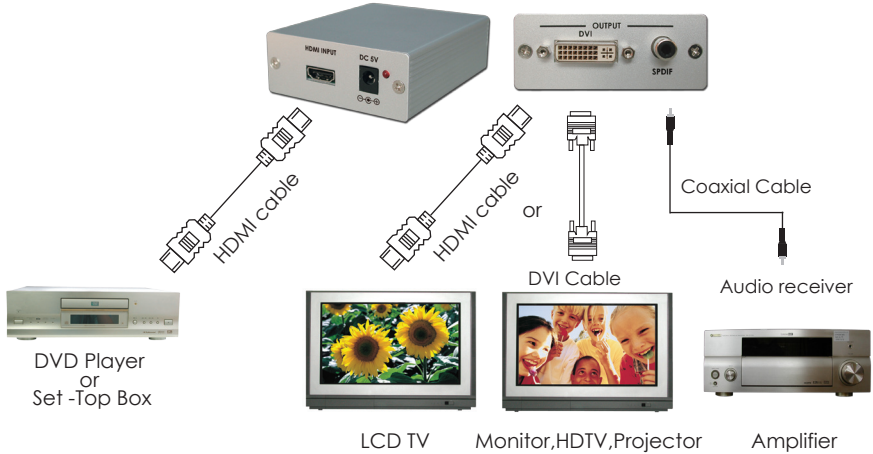
4.2. Rear Panel



- ① HDMI Input: Connect the HDMI input port to the HDMI output port of your source device such as a DVD/Blu Ray player or set-top-box.
- ② Power Supply: Plug the 5VDC power supply into the unit and connect the adaptor to an AC outlet.

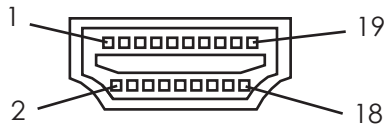
- ③ DVI Output: Connect the DVI output port to the input port of your DVI display such as a monitor or projector, or you can connect to the HDMI output port of your LCD TV, using a DVI to HDMI cable or adapter. Note that this jack is of DVI-I type, but only a DVI-D (digital video) signal will be supported.
- ④ SPDIF(Coaxial) Output: Connect the Coaxial output port to the digital audio input port of your digital audio receiver.

5. Connection and Installation



6. Pin Configuration

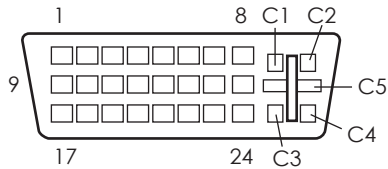
A. HDMI Input Pin Assignment



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

7. DVI-D Output 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 connection to enable single or dual-link mode activation.



Digital only connector pin assignments

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.	C2	N.C.	C3	N.C.
C4	N.C.	C5	N.C.		

8. Specifications

Input Port:	1 x HDMI
Output Ports:	1 x DVI, 1 x SPDIF(Coaxial)
Power Supply:	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions (mm):	105(W) x 76(D) x 30(H)
Weight(g):	188
Chassis Material:	Aluminum
Silkscreen Color:	Silver
Operating Temperature:	0°C ~ 40°C



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