

EL-CO-H001 is a device that provides an easy and instant approach for converting digital video HDMI to DVI-D signal providing both digital and analog de-embedded audio outputs. With this converter, HDMI based devices such as DVD, PS3, or set top boxes can be displayed on your low cost DVI PC monitor and listened on separated active PC speakers system.



Features:

- HDMI 1.3 compatible, 8 bit deep colour
- Fully HDCP compliant
- 5.1 channel audio capability
- HDMI video bandwidth up to 165 MHz, 4.9 Gbps
- Coaxial SPDIF and dual audio outputs
- **Doesn't support :**
 - Frame rate conversion
 - Colour space encoding conversion

Dip Switch MODE Setting :

- | | | |
|----------|--|----------------------|
| 1 | ON Two channel Analog Audio Output; | OFF: No Audio Output |
| 2 | ON Two channel or 5.1 channels SPDIF Output; | OFF: No Audio Output |

Led Status indication:

- HDMI IN:** Light up when an HDMI source is connected
ON : Light up when DC power is connected

Remarks:

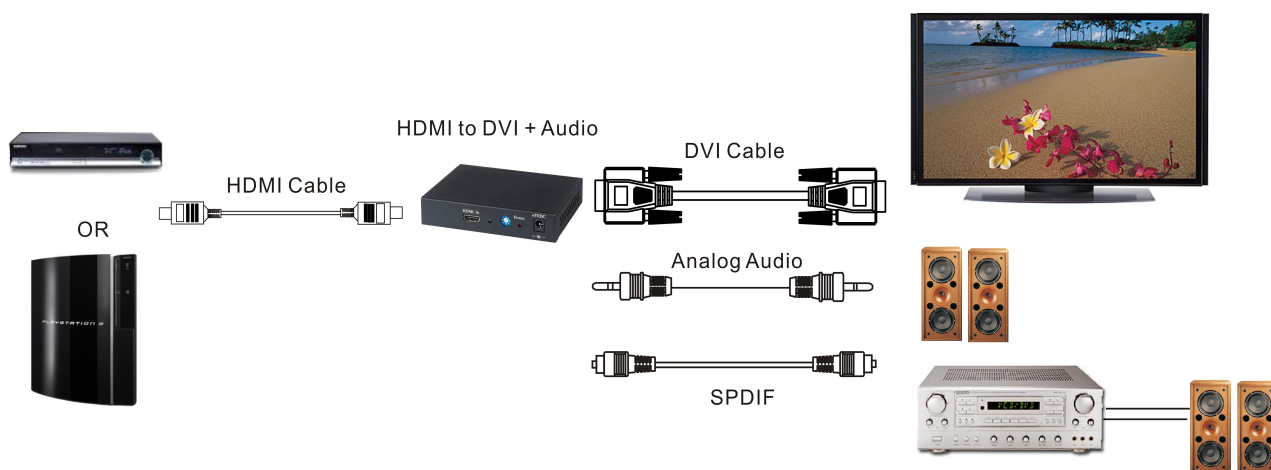
1: Analog audio only supports two channels, so set audio format of the source to PCM (2 ch.) There is no signal on the analog out whether HDMI audio stream is AC3 or DTS because no decoder is mounted inside.

2: SPDIF out format is dependent on the embedded digital audio in the incoming HDMI input. EL-CO-H001 only strips the digital audio from the HDMI stream and provides it on the SPDIF output

3: EDID: Updated from DVI monitor. Extended Display Identification Data (EDID) is a data structure provided by the display to describe its capabilities to a graphics card. This enables a graphic card to know what kind of monitor is connected

4: Don't disconnect the DVI-D destination during normal functioning. In some cases, this may cause a loss of the DVI-D out signal. To restore the normal condition unplug and replug the incoming HDMI signal or Switch-off then Switch-On the EL-CO-H001.

Installation View:



Trouble Shooting:

1. Only on the HDMI TV sets with Underscan/Overscan feature the full video can be accurately displayed. If Underscan/Overscan is not supported, the top, bottom, left and right border of the active video can be screened and the SPDIF audio may not be decoded right.
2. SPDIF audio input can provide up to 5.1 format. If your TV doesn't support DTS decoding, connect an external decoder or amplifier to energize loudspeakers.
3. SPDIF supports only 48 KHz sample rate. The source should be adjusted to 48 KHz in order to have an audio signal correctly sent.
4. If the blue led doesn't light on, it means that incoming HDMI signal is not recognized.

Specification:

Input/Output Connectors	HDMI Type A 19 pins DVI-D 29 pins f. (Digital TMDS only) RCA socket for SPDIF; Jack 3.5 mm for dual ch. Analog Audio
Video Amplifier Bandwidth	165 MHz, 4.9 Gbps
Output Video Signal	TMDS, 1.2 Vpp w/Colour space encoding (RGB or YUV) unchanged
Output DDC Signal	TTL std.
Audio output type	SPDIF with 5.1 capability on RCA socket 2 Analog Channels (L/R) on 3.5 mm Jack
Single Link Rate	Up to 1080p 60 Hz and 1920x1200 60 Hz
Status Indicator	Blue Led, HDMI input signal locking Green Led, power on
Power Consumption	3.5 VA
Power Supply	5 VDC 1A Efficiency level V
Dimensions (WxHxD)	95x88x30 (mm)
Weight	0.2 kg