

HDMI Audio with Dolby Digital & DTS 2.0+Digital Out Decoder - # 15389



Operation Manual

Introduction

The HDMI Audio Converter with Dolby®Digital and DTS®2.0+Digital Out Decoder allows the audio signal from an HDMI input to be de-embedded, downmixed and simultaneously output to both digital (optical or coaxial) and analog audio outputs. This unit allows you to utilize an additional audio output such as an AV receiver or set of active speakers, or to further extend the audio signal pathway

Applications

- Home entertainment installation
- Audio extraction and extension
- Non-HDMI AV receivers or wider audio systems

Features

- Features Dolby Digital Decoder technology
- Features DTS 2.0+Digital Out Decoder technology
- Integrated digital interpolator filter and Digital-to-Analog Converter (DAC)
- Supports LPCM input sampling rates up to 96 kHz and 2CH output at 48kHz
- Supports Dolby Digital/DTS sampling rates up to 48kHz
- Supports simultaneous audio output on HDMI, analog L/R, Coaxial and Optical connections
- HDMI (with 3D & 4K2K support) and HDCP compliant
- Supports HDTV resolutions up to 4K2K (3840×2160@24/25/30, 50/60with YUV420 and 4096×2160@24, 50/60 with YUV420)
- Supports HDMI data rate from 300Mbps to 3Gbps and 'Deep Color' up to 1080p/36-bit

System

Requirements

HDMI equipped source device and display (TV/monitor) and/or amplifier/active speakers with connection cables.



Operation Controls and Functions

Front Panel



1. POWER:

This LED will illuminate when the device is connected to an active power supply.

2. PCM LED:

This LED will illuminate when the input audio source is PCM format.

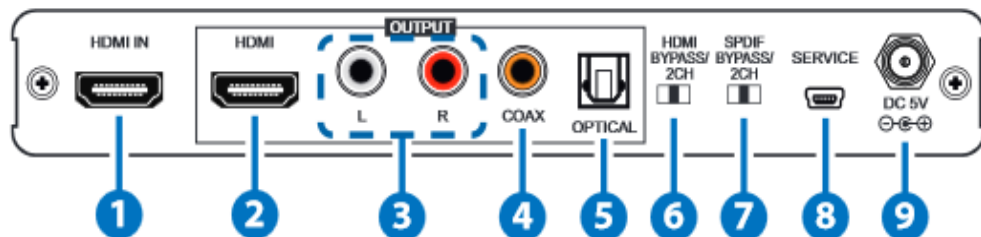
3. DTS LED:

This LED will illuminate when the input audio source is DTS 2.0+Digital Out encoded.

4. Dolby LED:

This LED will illuminate when the input audio source is Dolby Digital encoded.

Rear Panel



1. HDMI IN:

Connect to an HDMI source device such as a Blu-ray player, Set-top Box or any HDMI equipped source device.

2. HDMI OUTPUT:

Connect to an HDMI equipped TV/display or AV receiver for output image or audio display.

3. L/R OUTPUT:

Connect to the analog line level input of an amplifier or active speakers.

4. COAX OUTPUT:

Connect to the digital optical input of an AV receiver.

5. OPTICAL OUTPUT:

Connect to the digital coaxial input of an AV receiver.

6. HDMI BYPASS/2CH:

For the HDMI output port, switch to 'BYPASS' to allow audio pass-through from HDMI input port; switch to '2CH' to enable audio decoding and 2-channel down-mixing for Dolby Digital or DTS audio signals from HDMI input port.

7. SPDIF BYPASS/2CH:

For the COAX and OPTICAL output ports, switch to 'BYPASS' to allow audio pass-through from HDMI input port; switch to '2CH' to enable audio decoding and 2-channel down-mixing for Dolby Digital or DTS audio signals from HDMI input port.

8. SERVICE:

For manufacturer use only.

9. DC 5V:

Connect the adaptor included in the package to AC wall outlet for power supply

Specifications

Video Bandwidth	300MHz/9Gbps
Input Ports	1×HDMI, 1×USB (Service only)
Output Ports	1×HDMI, 1×Coaxial, 1×Optical, 1×R/L (2 RCA)
HDMI Cable Length	Input: 10m@1080p, 5m@4K2K Output: 10m@1080p, 5m@4K2K
Power Supply	5V/2.6A DC(US/EU standards, CE/FCC/UL certified)
ESD Protection	Human body model: ±8kV (air-gap discharge) ±4kV (contact discharge)
Dimensions	180mm(W)×110.75mm(D)×25mm(H)
Weight	368g
Chassis Material	Metal
Silkscreen Color	Black
Operating Temperature	0℃~40℃ / 32 F ~104 F
Storage Temperature	-20℃~60℃ / -4 F~140 F
Relative Humidity	20~90% RH (non-condensing)
Power Consumption	2.5W

