

DVDO



DVDO-AudioE-4

4K HDMI 2.0 Audio Extractor with Balanced Audio Output

User Manual

Version v1.0

Statement

Read this user manual carefully before using this product. Pictures shown in this manual are for reference only, different model and specifications are subject to real product. This manual is for operation instruction only, not for any maintenance usage. In the constant effort to improve our product, we reserve the right to make functions or parameters changes without notice or obligation. Please refer to the dealers for the latest details.

Safety Precaution

To ensure the best from the product, please read all instructions carefully before using the device. Save this manual for further reference.

- Follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- Do not dismantle the housing or modify the module to avoid electrical shock or burn.
- Using supplies or parts not meeting the products' specifications may cause damage, deterioration or malfunction.
- Do not expose the unit to rain, moisture or install this product near water.
- Install the device in a place with fine ventilation.
- Do not twist or pull by force ends of the optical cable. It can cause malfunction.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.
- Unplug the power cord when left unused for a long period of time.
- Refer all servicing to qualified service personnel.

Introduction

DVDO-AudioE-4 is a small-size HDMI 2.0 audio de-embedder with 1 HDMI input, 1 HDMI output, and three kinds of audio outputs. It is designed to extract audio from 4K HDMI signal via stereo balanced L/R audio, analog RCA, and optical digital audio output ports.

It supports 4K@60Hz/4:4:4 HDR 10+, Dolby Vision, EDID and CEC pass-through, and the transmission rate is up to 18Gbps. Moreover, there are three audio modes can be chosen in order to be compatible with various audio processing device.

Features

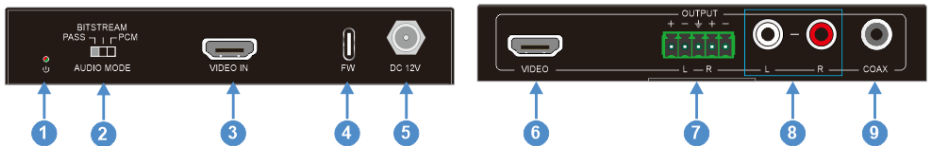
- Supports stereo balanced L/R audio, analog RCA, and coaxial digital audio output ports.
- Supports three audio modes: PASS, BITSTREAM, and PCM.
- Supports HDCP 2.2 and compliant.
- Supports HDMI 2.0 4K@60Hz/4:4:4 HDR 10+, Dolby Vision, EDID and CEC pass-through.
- The transmission rate is up to 18Gbps.
- Coaxial digital audio supports LPCM 2CH, Dolby Digital 2/5.1CH, DTS 2/5.1CH.
- Supports HDMI High Bit Rate(HBR) audio pass through.

Package List

Please take an inventory of the package contents to ensure you have all the items listed below. If anything is missing or damaged, please contact your distributor for a replacement.

- 1x DVDO-AudioE-4
- 1x Power Adaptor (12VDC,1A)
- 1x User Manual
- 1x 5-pin Phoenix Connector
- 4x Plastic Cushions
- 2x Mounting Ears
- 2x Mounting Ear Screws

Panel Description

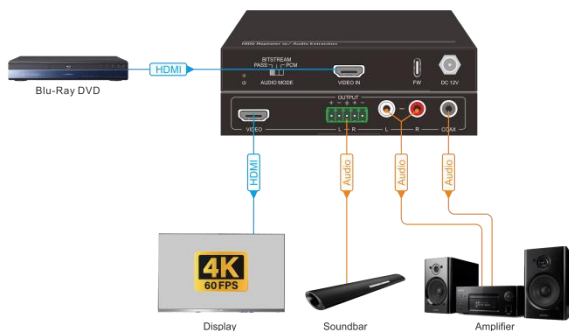


- ① Bicolor LED: Illuminates RED when powered on. Illuminates GREEN when HDMI signal input.
- ② Audio Modes Switcher:
 - **PASS (default):** The source device obtains its EDID from display.
 - **BITSTREAM:** Set the audio block of the display EDID to LPCM2.0/ DTS/Dolby with built-in multi-channel EDID data of the DVDO-AudioE-4.
 - **PCM:** Set the audio block of the display EDID to PCM with built-in PCM EDID data of the DVDO-AudioE-4. Ensures the compatibility of the analog output.
- ③ VIDEO IN: Connect to HDMI source.
- ④ FW: Firmware upgrade.
- ⑤ DC 12V: Connect with the included power adaptor.
- ⑥ VIDEO OUT: Connect with HDMI display.
- ⑦ L/R: Stereo balanced L/R audio output.
- ⑧ L/R: analog RCA audio output.
- ⑨ COAX: Coaxial digital audio output.

Specifications

Video	
Input	(1) HDMI
Input connector	(1) 19-pin type-A female HDMI 2.0
Output	(1) HDMI
Output connector	(1) 19-pin type-A female HDMI 2.0
Audio	
Output	(1) Stereo balanced audio L/R; (1) Analog audio L+R ; (1) COAX
Output connector	(1) 5-Pin phoenix connector; (1) RCA ; (1) Coaxial audio connector
Stereo analog audio format	PCM
Coaxial digital audio format	LPCM 2CH, Dolby Digital 2/5.1CH, DTS 2/5.1CH
Max coaxial audio sampling rate	192KHz
Max analog audio sampling rate	48KHz
General	
Max data rate	18Gbps
Max resolution	4K@60Hz 4:4:4
Operation Temperature	-5~ +55℃
Storage Temperature	-25 ~ +70℃
Relative Humidity	10% ~ 90%
Max Power consumption	2.2W
Power supply	DC12V 1A
Dimension (W*H*D)	126mm x 21.5mm x 77mm
Net weight	225g

System Diagram



Note: This picture is for reference only, the specific scheme is subject to real devices.

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