



HDMI 18Gbps Audio Extractor with HDCP 2.2

USER MANUAL

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Thank you for purchasing this product

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

Please Activate your warranty by registering your product through the link below - www.orei.com/register

Technical Support

Need Help?

Our experienced Technical Support Team is here for you to answer your questions, give technical advice or help troubleshoot your project to get you installed on time and on budget. Call, email or chat with us now.

OREI Live Technical Support Hours

US team (US/Canada/Mexico): Monday-Friday, 9 a.m. - 6 p.m. Central Time **Support Email** - info@orei.com | **Support Number** - 877-290-5530

Or

Chat Live on www.orei.com

Send us an instant message now. Our Technical Support Team will respond momentarily. Available during live support hours.

Scan the QR code to watch a Video of How to Use the product.

Please Activate your Warranty by registering your product through the link below. - www.orei.com/register



Introduction

The HDMI 18Gbps Audio Extractor could extract audio signals from any HDMI compliant source to digital optical or analog stereo L/R audio outputs. Further, both input and output HDMI support video resolution up to 4K2K@50/60Hz (YUV444). It supports 10bits HDR (High Dynamic Range) pass through and HDMI high resolution digital audio formats bypass, LPCM 2CH, Dolby TrueHD, Dolby Digital Plus, Dolby Atmos and DTS-HD Master Audio, audio sampling rate up to 192 kHz. HDCP 2.2 and CEC bypass are supported.



1. HDMI 2.0b (18Gbps), HDCP 2.2 and DVI compliant
2. Video resolutions up to 4K2K@50/60Hz (YUV444)
3. Extracts HDMI audio to multi-channel optical (SPDIF) or L/R analog audio
4. Optical audio supports LPCM 2CH, Dolby Digital 2/5.1CH, DTS 2/5.1CH
5. Supports HDMI High Bit Rate (HBR) audio pass through
6. Audio sample rates up to 192kHz
7. 10bits HDR (High Dynamic Range) pass through
8. Supports CEC bypass

Package Contents

1.	HDMI 18Gbps Audio Extractor	1 pcs
2.	5V/1A Power Adaptor	1 pcs
3.	User Manual	1 pcs

Specification

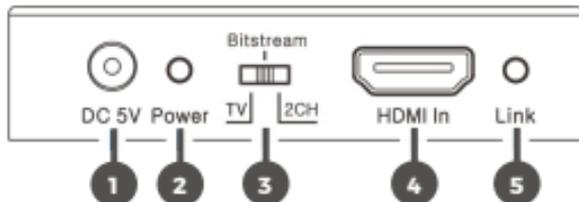
Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	18 Gbps
Video Resolutions	up to 4K2K@50/60Hz(YUV4:4:4), 4K2K@30Hz, 1080P@120Hz, and 1080P 3D@60Hz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2
Color Depth	10-bit, 12-bit
HDMI Audio Formats (Pass-through)	LPCM 2/5.1/7.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
Optical Audio Formats	LPCM 2CH, Dolby Digital 2/5.1CH, DTS 2/5.1CH
L/R Audio Formats	Analog Stereo 2CH
ESD Protection	Human body model – ±8kV (air-gap discharge) & ±4kV (contact discharge)
Connections	
Inputs	1x HDMI Type A [19-pin female]
Outputs	1x HDMI Type A [19-pin female] 1x L/R Audio Out [3.5mm Stereo Mini-jack] 1x Optical Out [S/PDIF]

Specification

Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	73.5mm [W] x 60.7mm [D] x 17mm [H]
Weight	130g
Power Supply	Input: AC100 - 240V 50/60Hz Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	1W (Max)
Operation Temperature	32 - 104°F / 0 - 40°C
Storage temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)

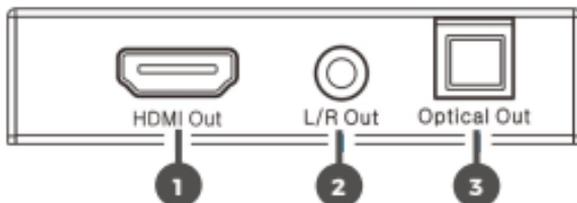
Operation controls and functions

5.1 Front Panel



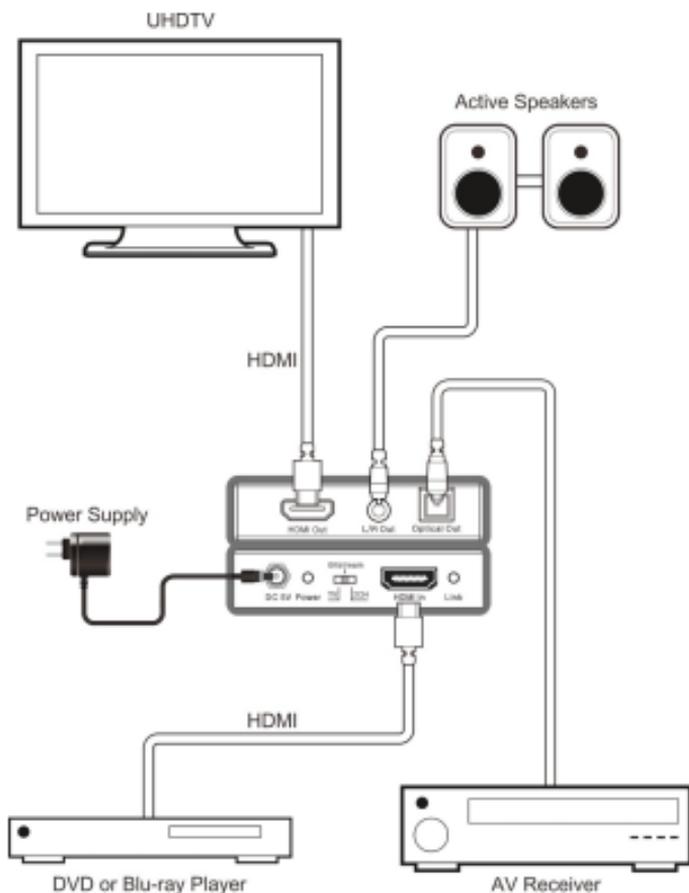
- 1 DC 5V:** Connect 5V/1A adaptor to AC wall outlet for power supply.
- 2 Power LED:** System power indicator.
- 3 TV / Bit Stream / 2CH:** This allows users to select audio format according to TV. Bit Stream or LPCM 2CH.
- 4 HDMI In:** Connect this to HDMI source devices such as Blu-ray or PS4 player
- 5 Link LED:** The LED will illuminate when detected HDMI input signal.

5.2 Rear Panel



- 1 HDMI Out:** Connect to HDMI display devices such as TV/Projector.
- 2 L/R Out:** Connect to audio amplifier or TV L/R audio input port.
- 3 Optical Out:** Connect to audio amplifier optical audio input port.

Connection Diagram



Application Example



Input



Output



Optical Out



RCA Out





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