HDMI 18Gbps HD Audio Extractor

User Manual

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.

Table of Contents

1.   Introduction

The HDMI 18Gbps HD audio extractor is the industry's first product supports dedicated HDMI output for extracting audio only. It can allow user still uses existing AV Receiver to receive 4K@HDCP 2.2 content audio. It also supports optical, L/R audio out and HDMI loop out, as well as 10bits HDR (High Dynamic Range) pass through and ARC.

2.   Features

- ✧ HDMI 2.0b (18Gbps), HDCP 2.2 and DVI compliant
- ✧ Video resolutions up to 4K2K@50/60Hz (YUV444)
- ✧ Dedicated HDMI out for audio only with 720p60 black screen
- ✧ Multi-channel optical (SPDIF) and L/R analog audio output
- ✧ Optical audio supports LPCM 2CH, Dobly Digital 2/5.1CH, DTS 2/5.1CH
- ✧ Audio sample rates up to 192kHz
- ✧ 10bits HDR (High Dynamic Range) pass through
- ✧ Smart EDID management (2CH/5.1CH/7.1CH/OUT1/OUT2)
- ✧ Supports ARC and CEC

3. Package Contents

- ✧ 1 x HDMI 18Gbps HD Audio Extractor
- ✧ 1 x 5V/1A Power Adaptor
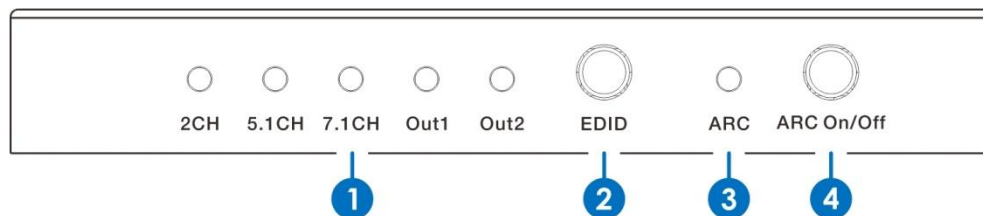- ✧ 1 x User Manual

4. Specifications

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	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, LPCM 5.1, 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	2x HDMI Type A [19-pin female] 1x L/R Audio Out [3.5mm Stereo Mini-jack] 1x Optical Out [S/PDIF]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	130mm [W] x 75mm [D] x 19mm [H]
Weight	260g
Power Supply	Input: AC100 - 240V 50/60Hz Output: DC 5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	2W (Max)

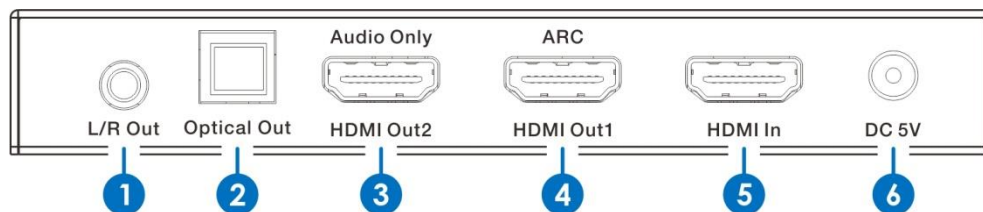| Operation Temperature	32 - 104°F / 0 - 40°C
Storage temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)

5. Operation Controls and Functions

5.1 Front Panel

① **2CH/5.1CH/7.1CH/Out1/Out2:** EDID selection for 2/5.1/7.1 channels audio or copying from the display connected to HDMI Out1 or Out2.

② **EDID:** EDID selection button.

③ **ARC:** ARC indicator LED, illuminates while ARC enable.

④ **ARC On/Off:** ARC enable/disable button.

5.2 Rear Panel

① **L/R Out:** Connect to audio amplifier or TV L/R audio input port.

② **Optical Out:** Connect to audio amplifier optical audio input port.

③ **HDMI Out2:** HDMI output with audio and 720p black video should be connected to an AV Receiver or audio system.

④ **HDMI Out1:** HDMI loop out from HDMI In including audio and video.

⑤ **HDMI In:** HDMI input port should be connected to an HDMI source.

6 **DC 5V:** Connect 5V/1A adaptor to AC wall outlet for power supply.

6.   Connection Diagram