# HDMI 2.0 4K2K Audio Extractor
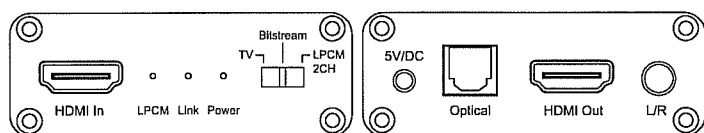
## Quick Installation Guide
## Ver. 1.0

All brand names and trademarks are properties of their respective owners

## 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 (YUV4:4:4). 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.

## FEATURES:

- HDMI 2.0b (18Gbps), HDCP 2.2 and DVI compliant
- Video resolutions up to 4K2K@50/60Hz (YUV4:4:4)
- Extracts HDMI audio to multi-channel optical (SPDIF) or L/R analog audio
- Optical audio supports LPCM 2CH, Dolby Digital 2/5.1CH, DTS 2/5.1CH
- Supports HDMI High Bit Rate(HBR) audio pass through
- Audio sample rates up to 192kHz
- 10bits HDR (High Dynamic Range) pass through
- Supports CEC bypass

## APPLICATIONS:

- Game entertainment on monitor
- Extend your audio signal
- Audio extraction for non-HDMI AV receivers or wider audio systems
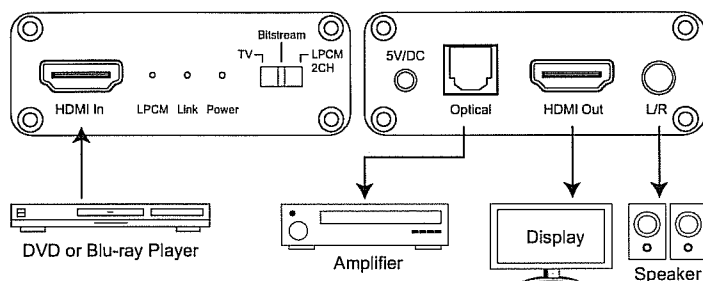
## PACKAGE CONTENTS:

- 1x Main unit
- 1x 5V Power Adaptor
- 1x User Manual

## SYSTEM REQUIREMENTS:

Input source equipment such as Blu-ray/PS3 player and output display (TV/monitor) and amplifier/active speakers with connection cables.

## CONNECTION DIAGRAM:

## OPERATION CONTROLS AND FUNCTIONS:



**HDMI In:**
This slot is to connect with source equipment such as Blu-ray/PS3 player with HDMI signal sending.
**LPCM:**
This LED will illuminate when the output audio EDID is switch to LPCM 2CH.
**Link:**
This LED will illuminate when input source is connected with HDMI signal.
**Power:**
This LED will illuminate when the unit is connected with power supply.
**TV/Bitstream/LPCM 2CH:**
This switch allows users to select the source's audio EDID.
- TV Mode: Switch to TV mode to use the HDMI output port's EDID.
- Bitstream Mode: Switch to Bitstream mode to use the HDMI output port's EDID, the audio supports up to compressed audio 5.1 channels.
- LPCM 2CH Mode: Switch to LPCM 2CH mode to use HDMI output port's EDID, the audio supports up to LPCM 2CH.
**5V/DC:**
Plug with 5V DC power adaptor from the AC wall outlet for power supply.
**Optical out:**
Connect to audio equipment such as an amplifier or Hi-Fi system with an optical cable for digital audio output. Supports up to bitstream audio 5.1CH and LPCM 2CH.
**HDMI out:**
Connect to the display (TV/monitor) with an HDMI cable for video and audio signal output. For 4Kx2K or 3D image display, an equivalent standard display is required. No HDMI output connection is required to send audio through the analog and optical outputs.
**L/R Out:**
Connect to audio equipment such as an amplifier or active speakers with 3.5mm phone jack cable for stereo audio outputs.
**Note:** Depending on the input audio format, the unit may not output audio through all output port. For Example, the L/R analog output port will have no audio when the input audio format is other than LPCM 2CH.

## 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 (Pass-through) | LPCM 2/5.1/7.1CH, Dolby Digital 2~5.1CH, DTS 2~5.1CH, Dolby Digital Plus, Dolby TrueHD, and DTS-HD Master Audio |
| Optical Audio Formats | LPCM 2CH, Dolby Digital 2~5.1CH, and 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] |

| Mechanical | |
|---|---|
| Size(L-W-H) | 77×64×23mm |
| Power Supply | Input: AC100 - 240V 50/60Hz |
| | Output: DC 5V/2A (US/EU standards, CE/FCC/UL certified) |
| Operation Temperature | 32 - 104°F / 0 - 40°C |
| Storage temperature | -4 - 140°F / -20 - 60°C |
| Relative Humidity | 20 - 90% RH (no condensation) |