

6G HDMI Multi-channel Digital Audio Extractor - # 15412



Operation Manual

Introduction

The HDMI 4K 6G LPCM 7.1 Channel Audio Extractor could extract audio signals from your HDMI source. The unit allows you to extract original HDMI audio signal and convert it to digital optical or analog multi-channel audio. Further, both input and output HDMI support UHD resolution up to 4K2K@60Hz (YUV444), and capable of provide high quality of audio and video performance. It supports HDMI high resolution digital audio formats by pass, also LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus, Dolby Atmos and DTS-HD Master Audio, audio sampling rate up to 192 kHz, allowing a full enjoyment over synchronize video and audio.

Applications

- Game entertainment on monitor
- Audio Signal extended
- Audio extraction for non-HDMI AV receivers or wider audio systems

Features

- HDMI2.0 with 4Kx2K 6G supported, HDCP 2.2 and DVI compliant
- Supports HDMI audio sampling rate up to 192 kHz
- Supports Optical S/PDIF audio sampling rate up to 192 kHz
- Supports external HDMI, Digital or Analog audio signal embeds into HDMI
- HDMI supports high-bit-rate (HBR) audio
- Supports DVI conversion with HDMI to DVI adaptor
- Supports CEC bypass
- Supports analog stereo L/R and Optical S/PDIF audio outputs
- Supports HDTV resolutions up to 4Kx2K (3840x2160@24/25/30/50/60 YUV_444 & 4096x2160@24/25/30/50/60 YUV_444)

Note: *When displaying HDMI 4Kx2K signal, equivalent source signal, output display and HDMI cables are required in order to secure the best image display*

System

Requirements

Input source equipment such as Blu-ray/DVD player and output display HDMI UHD TV/monitor and amplifier/active speakers with connection cables.

Note: *To achieve 6G performance will need to collocation with particular HDMI cable to get the better quality.*



Operation Controls and Functions

Front Panel



1. POWER & POWER LED:

Press POWER key to turn on/off the unit, when unit power on, the POWER LED will illuminate, turn off when unit power is disconnected.

2. LINK LED:

The LED will illuminate when detected HDMI input.

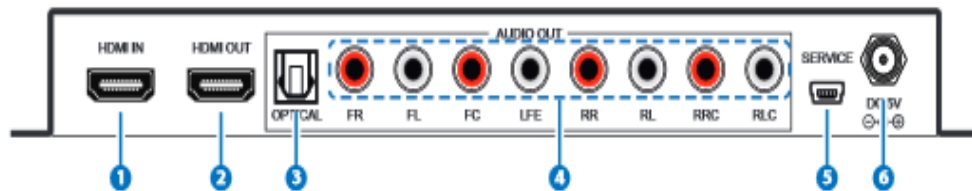
3. LPCM LED:

The LED will illuminate when detected LPCM Audio

4. TV/BITSTREAM & LPCM 2CH:

This allows users to switch audio signal from TV, Bitstream and LPCM 7.1CH.

Rear Panel



1. HDMI IN:

This slot is to connect with source equipment such as Blu-ray/PS3 player or PC/laptop with HDMI signal sending.

2. HDMI OUT:

Connect to HDMI UHD TV/display or UHD Amplifier for output image and or audio display.

3. OPTICAL AUDIO OUT:

Connect from audio equipment such as Amplifier or TV/display with optical signal input.

4. ANALOG AUDIO OUT:

Connect from audio equipment such as Amplifier or TV/display with L/R audio signal input.

5. DC 5V:

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

Specifications

Video Bandwidth	600MHz/6Gbps
Input Ports	1×HDMI, 1×Mini-USB (Service only)
Output Ports	1×HDMI, 1×Optical, 8×RCA (Analog Audio)
HDMI Resolutions	VGA~WUXGA (RB), 408i~1080p@24/50/60, 4K@24/25/30, 4K@50/60 (YUV444)
HDMI Audio Sampling Rates	Up to 192kHz
Optical Audio (S/PDIF) Sampling Rates	Up to 192kHz
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, Dolby Atmos & DTS-HD Master Audio
Optical Audio Formats	LPCM 2CH, Dolby Digital 2/5.1CH & DTS 2/5.1CH
L/R Audio Format	Analog Stereo 2CH
HDMI Cable Distance	15m@1080p/8-bit, 10m@1080p/12-bit, 5m@4K
Power Supply	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
ESD Protection	Human body model: ±8 kV (air-gap discharge) ±4 kV (contact discharge)
Dimensions	213.5mm(W)×116mm(D)×25mm(H)/Jack Included
Weight	658g
Chassis Material	Metal
Color	Black
Operating Temperature	0 °C~40 °C/32 °F~104 °F
Storage Temperature	-20 °C~60 °C/-4 °F~140 °F
Relative Humidity	20~90% RH (non-condensing)
Power Consumption	3.42W

Note: HDMI cable distance might affected by material or design of cable.

