

6G HDMI Audio Inserter w/HDCP2.2 - # 15414



Operation Manual

Introduction

The HDMI 4K2K Audio Inserter could insert an external audio signal into your HDMI or DVI (with HDMI to DVI adaptor) signal path. The unit allows you to insert stereo or multi-channel surround sound signals, capability of selecting audio formats while extending your HDMI signal. 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 192kHz, allowing a full enjoyment over synchronize video and audio.

Applications

- Embeds external audio into HDMI signal
- Integrates audio and DVI(with HDMI to DVI adaptor) video to HDMI signal output
- Replaces audio in the original HDMI signal by other audio input sources

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

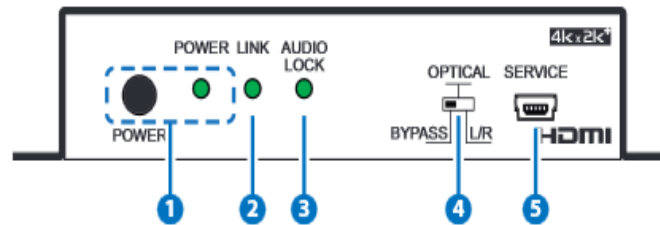
Input source equipment such as Blu-ray/DVD player and output display HDMI UHD TV/monitor and amplifier/active speakers with connection cables.

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. AUDIO LOCK LED:

The LED will illuminate when detected Audio input.

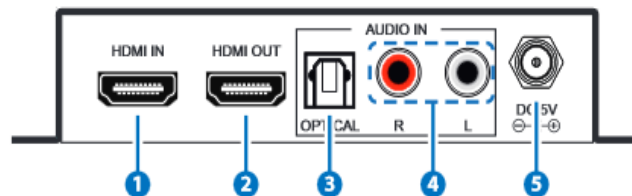
4. BYPASS/OPTICAL & L/R:

This allows users to switch audio signal from HDMI (BYPASS), OPTICAL and L/R.

5. SERVICE:

This for manufacture use only.

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 IN:

Connect from audio source equipment such as AV receiver or DVD player with optical signal output.

4. ANALOG AUDIO IN:

Connect from audio source equipment such as PC/Laptop or DVD/Blu-ray player with L/R audio signal output.

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×Optical, 2×RCA (Analog Audio), 1×Mini-USB (Service only)
Output Ports	1×HDMI
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	128mm(W)×116.8mm(D)×30mm(H)/Jack Included
Weight	358g
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.

