



# CPLUS-V11SI

UHD 4K 6G with HDCP2.2 Audio Inserter



**4K2K**  
HDCP2.2

Operation Manual



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## SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply.

Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

## REVISION HISTORY

VERSION NO.	DATE (DD/MM/YY)	SUMMARY OF CHANGE
RDV1	26/08/15	Preliminary release



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## 1. 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 192 kHz, allowing a full enjoyment over synchronize video and audio.

## 2. 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

## 3. PACKAGE CONTENTS

- 1×UHD 4K 6G with HDCP2.2 Audio Inserter
- 1×5V/2.6A Power Adaptor
- 1×Operation Manual

## 4. SYSTEM REQUIREMENTS

Input source equipment such as PC/Laptop or Blu-ray/DVD player and output display HDMI UHD TV/monitor with connection cables.

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

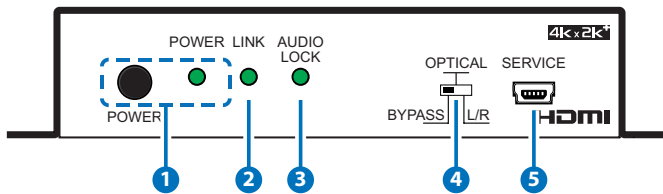
## 5. FEATURES

- 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 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.

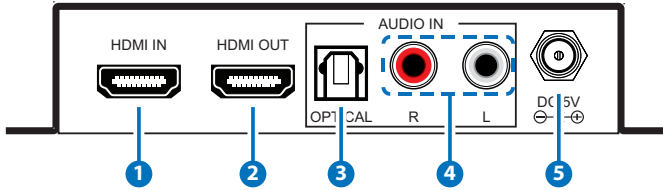
## 6. OPERATION CONTROLS AND FUNCTIONS

### 6.1 Front Panel



- 1 POWER & POWER LED:** Press POWER key to turn on/off the unit, when unit power on, the POWER LED will illuminated, 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.

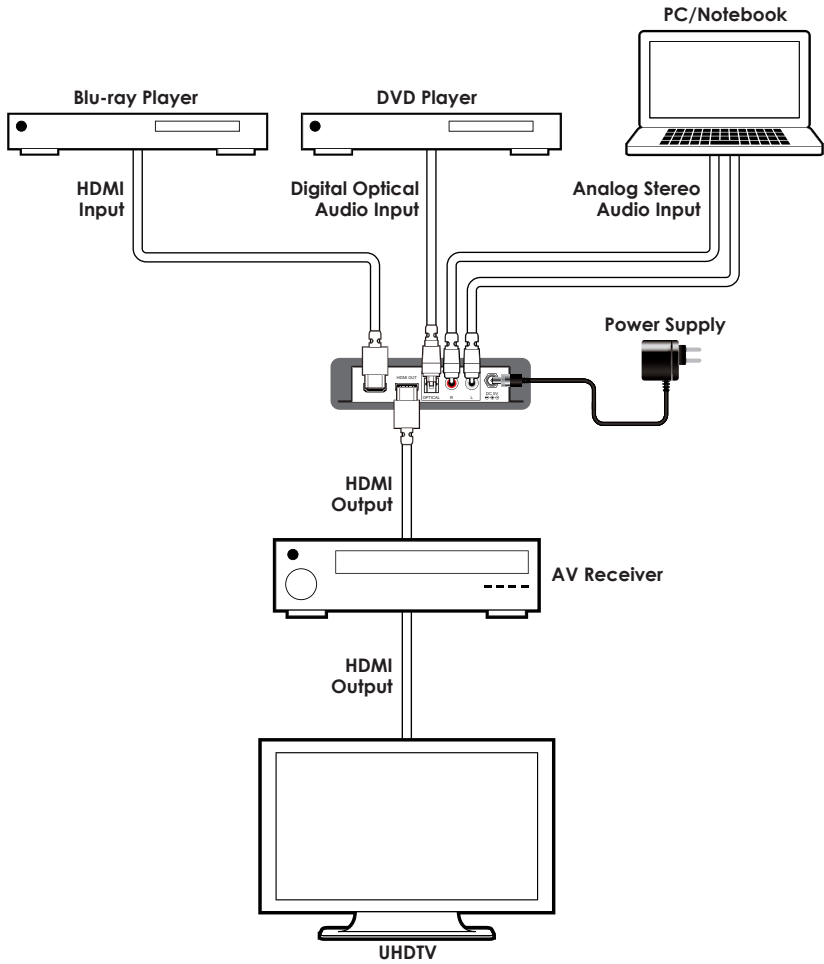
## 6.2 Rear Panel



- 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.



## 7. CONNECTION DIAGRAM





## 8. SPECIFICATIONS

<b>Video Bandwidth</b>	600 MHz/6 Gbps
<b>Input Ports</b>	1×HDMI, 1×Optical, 2×RCA (Analog Audio), 1×Mini-USB (Service only)
<b>Output Port</b>	1×HDMI
<b>HDMI Resolutions</b>	VGA~WUXGA (RB), 408i~1080p@24/50/60, 4K@24/25/30, 4K@50/60 (YUV444)
<b>HDMI Audio Sampling Rates</b>	Up to 192 kHz
<b>Optical Audio (S/PDIF) Sampling Rates</b>	Up to 192 kHz
<b>HDMI Audio Formats (Pass-through)</b>	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
<b>Optical Audio Formats</b>	LPCM 2CH, Dolby Digital 2/5.1CH & DTS 2/5.1CH
<b>L/R Audio Format</b>	Analog Stereo 2CH
<b>HDMI Cable Distance</b>	15 m@1080p/8-bit, 10 m@1080p/12-bit, 5 m@4K
<b>Power Supply</b>	5V/2.6 A DC (US/EU standards, CE/FCC/UL certified)
<b>ESD Protection</b>	Human body model: ±8kV (air-gap discharge) ±4kV (contact discharge)
<b>Dimensions</b>	128 mm (W)×108 mm (D)×25 mm (H)/ Jack Excluded 128 mm (W)×116.8 mm (D)×30 mm (H)/ Jack Included
<b>Weight</b>	358 g
<b>Chassis Material</b>	Metal

<b>Color</b>	Black
<b>Operating Temperature</b>	0°C~40°C/32°F~104°F
<b>Storage Temperature</b>	-20°C~60°C/-4°F~140°F
<b>Relative Humidity</b>	20~90% RH (non-condensing)
<b>Power Consumption</b>	3.42 W

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

## 9. ACRONYMS

ACRONYM	COMPLETE TERM
<b>CEC</b>	Consumer Electronics Control
<b>COAX</b>	Coaxial
<b>DTS</b>	Digital Theater System
<b>DVI</b>	Digital Visual Interface
<b>HDCP</b>	High-bandwidth Digital Content Protection
<b>HDMI</b>	High-Definition Multimedia Interface
<b>HDTV</b>	High-Definition Television
<b>OPT</b>	Optical
<b>USB</b>	Universal Serial Bus
<b>VGA</b>	Video Graphics Array
<b>WUXGA (RB)</b>	Widescreen Ultra Extended Graphics Array (Reduce Blanking)



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