



User Manual

4K60 HDMI Audio Embedder

PT-C-BAE40

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What's included



Q.1 HDMI Audio Embedder



Q.1 Power Adapter

Introduction

The Bundl 4K60 HDMI Audio Embedder makes adding audio source to your HDMI signal easy. Choose from either two-channel analog audio embedding, or Toslink fiber optic input that supports LPCM 2 channel, Dolby Digital 2 and 5.1 channel, and DTS 2 and 5.1 channel. A convenient switch on the back of the embedder allows you to select which audio source you want to send to the output. The selections also include passing through HDMI audio which allows Dolby TrueHD and DTS-HD Master Audio. Simple and effective, use the Bundl 4K60 Audio Embedder in Home Theater, Gaming, Podcasting, and more.

Both the input and output HDMI connections support video resolution up to 4K@60Hz 4:4:4 and High Dynamic Range (HDR) signal pass, 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 through are also supported.

Standards & Compliance



Features

- Embeds multi-channel optical (SPDIF) or Line analog audio to HDMI output
- 12-bit Deep Full HD, Full 3D, 4K@60Hz YUV 4:4:4, HDR, HDR10, HDR10+, and Dolby Vision
- Optical audio supports LPCM 2CH, Dolby Digital 2/ 5.1CH, DTS 2/5.1CH
- Analog audio supports PCM2.0
- HDCP2.2
- High Dynamic Range (HDR) video
- Consumer Electronics Control function
- HDMI output audio format: DTS-HD Master Audio™ / Dolby TrueHD
- 600MHz/6Gbps per channel (18Gbps all channels) bandwidth
- 12bit per channel (36bit all channels) deep color

Specifications

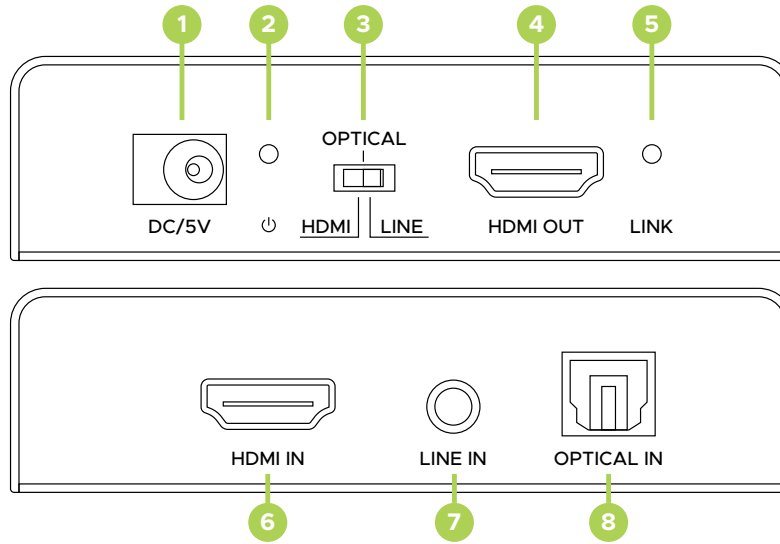
Standards & Compliance	
Signal Standards	HDMI 2.0
HDCP	HDCP 2.2, HDCP 1.4
Regulatory Certifications	CE, FCC, RoHS, UL
Connector Types	
HDMI Inputs	1 × HDMI IN (Type A, 19-pin female)
HDMI Outputs	1 × HDMI OUT (Type A, 19-pin female)
Toslink (Optical Square Plug)	Yes
Audio Outputs	Analog (L/R TRS, 3.5mm jack)
Performance	
Max Video Resolution	4K60 (4:4:4)
Video Bandwidth	18 Gbps
Color Space	YUV
Color Depth	8-bit, 10-bit, 12-bit
Dynamic Metadata Support	HDR10+, HDR10, HDR, Dolby Vision
MTBF	50,000 hours
HDMI Audio Format	Bitstream, LPCM, DTS-HD Master Audio, Dolby TrueHD
Optical Audio Format	LPCM 2 Ch, Dolby Digital 2.0/5.1 Ch, DTS 2.0/5.1 Ch
Analog Audio Format	PCM 2.0 Ch
ESD Protection	EN61000-4-2 Standard, Human body model (+8kV)
Power	
Power Input	AC 100 - 240V 50/60Hz
Power Supply	DC 5V/2.5A
Power Consumption	5W (Max)
Environment	
Operating Temperature	32 to 158°F / 0 to 70°C
Storage Temperature	-4 to 140°F / -20 to 60°C
Relative Humidity	5 to 90% RH (no condensation)
Enclosure	
Product Dimensions (W × D × H)	8.7 in × 3.9 in × 1.2 in (88mm × 59.5mm × 23mm)
Weight	0.28 lbs (126g)
Warranty	
Parts	1 year
Labor	1 year


Note: Specifications are subject to change without notice.



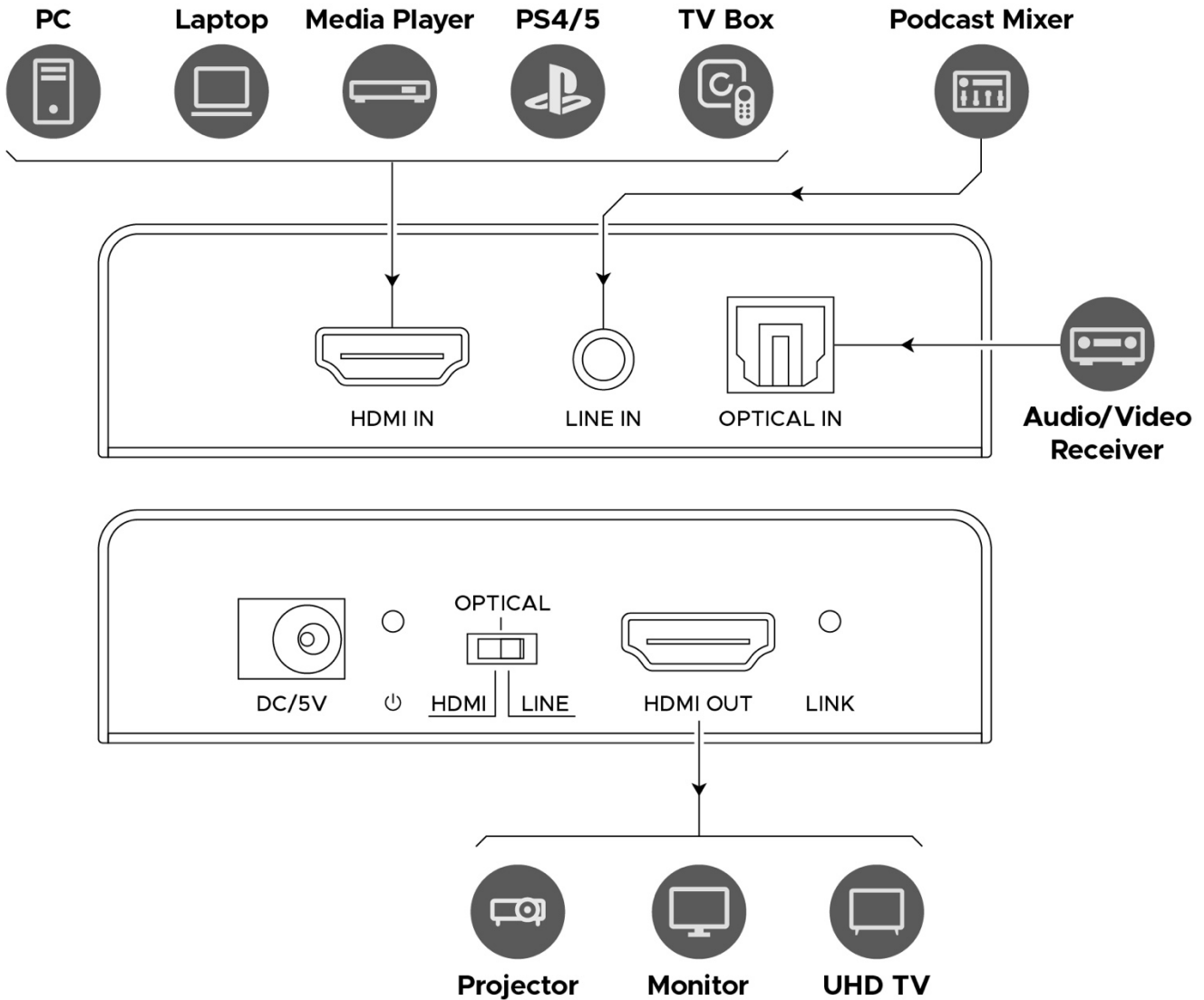
Connections and Diagnostics

Front and Rear Panel



1. DC/5V: DC 5V IN port
2. : Power LED Indicator
3. HDMI/OPTICAL/LINE: User can select input audio format according to HDMI, Optical or Line.
 - HDMI: Select the HDMI audio to HDMI output
 - OPTICAL: Select the Optical audio to HDMI output
 - LINE: Select the line 3.5mm audio to HDMI output
4. HDMI OUT: HDMI output Port
5. LINK: HDMI output LED Indicator
6. HDMI IN: HDMI Input Port
7. LINE IN: Line 3.5mm Analog Audio Input Port
8. OPTICAL IN: Digital Optical Audio Input Port

Application Diagram



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For further information,
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