



HDMI 2.0 Repeater with Audio Extraction User's Guide



P/N: HDAudExt

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Important Safety Notices

Please read safety instructions carefully before installation and operation.

- Please pay close attention to all warnings and hints for this device
- Do not expose this unit to rain, heavy moisture, or liquid
- Do not repair the device or open the enclosure without professional guidance to avoid electric shocks. Doing so may void your warranty
- Keep the product in a well-ventilated location to avoid damage from overheating

- Shut off power and make sure environment is safe before installation
- Do not plug the HDMI cables in/out when the device is in use to avoid cable damage. Make sure they are plugged into the correct ports
- Use the included power adapter only. Make sure the specification matches if using 3rd-party DC power adapter

Introduction

The HDMI 2.0 Repeater with Audio Extraction is designed to extract audio from a 4K HDMI signal to stereo balanced L/R audio, analog RCA, and coaxial digital audio output ports.

Features

- Supports stereo balanced L/R audio, analog RCA, and coaxial digital audio output ports
- Supports Pass (pass-through), Bitstream, and PCM audio modes
- Supports HDMI 2.0 4K@60Hz YUV 4:4:4 HDR, EDID, and CEC pass-through
- Supports HDCP 2.2 and HDCP1.4 on the HDMI input and HDMI output respectively

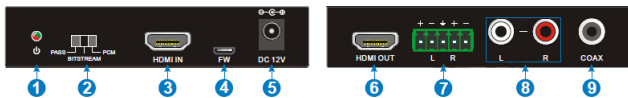
Package Contents

- HDMI 2.0 Repeater with Audio Extraction
- 5-Pin Phoenix connector
- Power adapter (12VDC, 1A)
- 4 Plastic pads
- User's guide

Installation Requirements

1. HDMI source device (computer, Blu-Ray/DVD player, XBOX, PS3, etc)
2. HDMI display device (SDTV/Monitor, HDTV/Monitor, projector, etc.)
3. Speakers, Amplifier

Product Layout

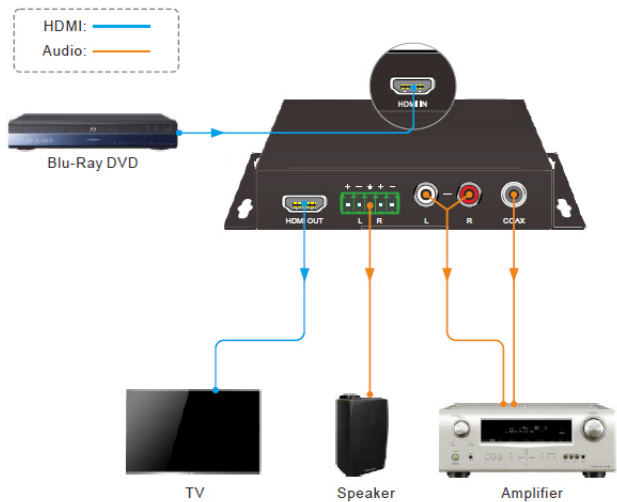


1. LED (dual color)	Red: The unit is powered on Green: HDMI input signal detected
2. Audio Mode Switch	Pass (default): The source device reads EDID from the display
	Bitstream: Source audio is DTS/Dolby and the display only supports PCM. Audio will output to HDMI and Coaxial digital audio ports only
	Bitstream: Source audio is PCM, DTS/Dolby sent to AV amplifier. No audio output to analog audio output ports
PCM: Digital audio will output to analog audio and coaxial outputs	
3. HDMI IN	Connects to HDMI source
4. Firmware (FW)	Micro USB port for firmware update
5. Power Jack	Connects to the power adapter
6. HDMI Out	Connects to HDMI display
7. L/R	Stereo balanced L/R output
8. L/R (RCA)	Analog RCA audio output
9. COAX	Coaxial digital audio output

Hardware Installation

1. Power off all devices including your HDMI source and HDMI display(s).
2. Connect your HDMI source device to the Repeater's HDMI Input connector with an HDMI cable (HDMI cable not included).
3. Connect your HDMI display to the HDMI output connector with a HDMI cable (HDMI cable not included).
4. Optional: Connect speakers or amplifier to the audio output jacks as needed.
5. Plug the included power adapter into the power jack, then plug the power adapter into a reliable power source.
6. Power on all connected devices.
7. The HDMI repeater is ready for use.

Application



Troubleshooting

Problem	Potential Cause	Solution
Color loss or no video signal on HDMI display	The HDMI cables may not be connected properly or may be damaged	Check whether the HDMI cables are connected properly and in good working condition
	The display is not compatible with the current output resolution	Make sure the resolution of the display(s) is compatible with the current output resolution
No signal output to the displays	The HDMI cable may not be connected properly or may be damaged	Check the HDMI cable connection for good working condition. Replace the HDMI cable if needed
Image on the screen is pixilated or breaking up	Poor quality or damaged HDMI cable	Change to higher quality HDMI cable

Specifications

HDMI Connector	1 Input, 19-Pin, Type-A, Female 1 Output, 19-Pin, Type-A, Female
HDCP Version	HDMI input: HDCP 2.2 HDMI output: HDCP 1.4
Audio Output	Stereo balanced L/R, Analog L+R, Coax digital
Audio Connector	5-Pin Phoenix, RCA, Coaxial audio
Audio Format	Dolby (True HD), DTS (HD-Master Audio), PCM
Bandwidth	18Gbps (Max)
Resolution	Up to 4Kx2K@60Hz YUV 4:4:4
Power Consumption	3W (Max)
Operating Temperature	14 F to 131 F
Humidity	10% to 90%
Dimensions (WxHxD)	5.1" x 0.85" x 3.03"
Weight	0.58lbs

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