



VLHA-RCEX

HDMI 2.0 ARC Audio Extractor



User Manual

VER 1.02

Thank you for purchasing this product

Please read these instructions carefully for optimum performance and safety before connecting, operating, or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive electrical components that electrical spikes may damage, surges, electric shock, lightning strikes, etc. The use of surge protection systems is highly recommended to protect and extend the life of your equipment.

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1. Introduction

The HDMI ARC audio extractor can extract the audio signal from ARC-enabled HDTV to 2-channel analog stereo audio output for audio receiver/amplifier/headphone applications. It supports PCM2.0 audio. The TV remote can control the volume via the CEC function.

2. Features

- ✧ HDMI 1.4 compliant
- ✧ Input: HDMI x 1;
Output: 3.5mm L/R x1, RCA x 2
- ✧ ARC Enabled: Extract audio signal from ARC (Audio Return Channel) enabled HDTV to analog
- ✧ stereo output for audio receiver/amplifier/headphone applications
- ✧ Supports PCM audio to 2-channel stereo audio output
- ✧ Supports CEC function (TV remote can control the volume)

3. Package Contents

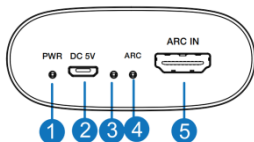
- ① 1× HDMI ARC Audio Extractor
- ② 1× USB Cable (USB-A to Micro USB)
- ③ 1× User Manual

4. Specifications

Technical	
HDMI Compliance	HDMI 1.4
V _{max}	2V _{rms}
SNR	>90dB
THD+N Ratio	<0.1% (V _{max}) 0.001%~0.01% (V _{best})
Crosstalk	>80dB
Frequency Response	20Hz~20kHz±1dB
HDMI Audio Formats	PCM 2.0
L/R Audio Formats	Analog Stereo 2CH
Connection	
Inputs	1x HDMI Type A [19-pin female] 1x Micro USB
Outputs	1x L/R Audio Out [RCA] 1x 3.5mm L/R
Mechanical	
Housing	Aluminum Enclosure
Color	Silver
Dimensions	70mm[W] x 65mm[D] x 27mm[H]
Weight	80g
Power Supply	USB 5V/500mA
Power Consumption	0.86W (Max)
Operation Temperature	32 - 104°F / 0 - 40°C
Storage temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (Non-Condensation)

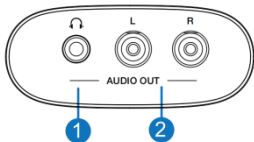
5. Operation Controls and Functions

5.1 Left Panel



No.	Name	Function Description
1	Power LED	When the device is powered on, a red LED will be on.
2	DC 5V	DC 5V power supply port.
3	Reserved LED	A reserved LED.
4	ARC LED	On: ARC IN port is connected to an active signal. Off: No signal
5	ARC IN	Connect to the ARC port of the TV.

5.2 Right Panel



No.	Name	Function Description
1	Stereo AUDIO OUT	3.5mm stereo audio output port. Connect to headphones or amplifier.
2	RCA AUDIO OUT	RCA audio output port. Connect to amplifier or speaker.

6. Application Example

