



VLHA-REXD

HDMI 2.0 ARC Audio Extractor with Downmix



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.

Table of Contents

1. Introduction.....	1
2. Features.	2
3. Package Contents.....	2
4. Specifications.....	3
5. Operation Controls and Functions.	4
5.1. Left Panel.....	4
5.2. Right Panel.	5
6. Application Example.....	6

1. Introduction

The HDMI ARC audio down-mixer 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/ Dolby5.1/DTS5.1 audio down-mixing. The TV remote can control the volume via the CEC function.



It is manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.



For DTS patents, see <http://patents.dts.com>. It is manufactured under a license from DTS Licensing Limited. DTS, the Symbol, DTS and the Symbol together, and Digital Surround are registered trademarks or trademarks of DTS, Inc. in the United States and/or other countries. © DTS, Inc. All Rights Reserved.

2. Features

- ☆ HDMI 1.3 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 2.0, Dolby 5.1, DTS 5.1 audio
Down-mix to 2-channel stereo audio output
- ☆ Supports CEC function (TV remote can control the volume)

3. Package Contents

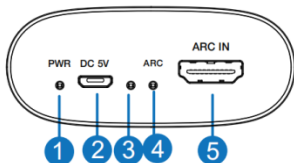
- ① 1× HDMI ARC Audio Down-mixer
- ② 1× USB Cable (USB-A to Micro USB)
- ③ 1× User Manual

4. Specifications

Technical	
HDMI Compliance	HDMI 1.3 or above
Vmax	2Vrms
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, Dolby 5.1, DTS 5.1
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)

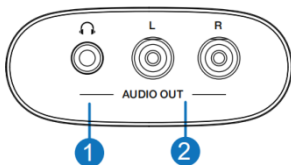
5. Operation Controls and Functions

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	Audio Decoding LED	Red illuminate: PCM decoding or No signal Red blinking: Dolby decoding Green blinking: DTS decoding
4	ARC LED	On: ARC IN port is connected to active signal Off: No signal
5	ARC IN	HDMI video input port. Connect to a TV with ARC function.

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

