VigilLink

VLHA-ERAD

HDMI 2.0 eARC Audio Adapter

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.

A surge protection device recommended

This product contains sensitive electrical components that electrical spikes may damage, surges, electric shocks, 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

This 4K HDMI ARC/eARC Audio adapter can output Dolby Atmos audio from an external HDMI source to eARC/ARC sound systems. Since compliant with audio formats such as LPCM, Dolby True HD, and DTS-HD Master Audio, this adapter is a perfect solution for connecting SONOS ARC/BOSE 500/BOSE 700 Soundbars and other eARC/ARC audio/video receivers. It also provides a dedicated HDMI output port for outputting audio only when connecting with legacy AVR without eARC/ARC function.

2. Features

☆ HDMI 2.0b and HDCP 2.3 compliant
☆ Support 18Gbps video bandwidth
☆ Support video resolution up to 4K2K@60Hz with 24-bit RGB/YCbCr 4:4:4
☆ Support HDR, HDR10, HDR10+, Dolby Vision, and HLG pass-through
☆ Support HDMI audio formats: LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
☆ Perfect solution for SONOS ARC/BOSE 500/BOSE 700 Soundbars and other eARC/ARC audio/video receivers
☆ Dedicated HDMI port for outputting audio only when connecting with legacy AVR without eARC/ARC function
☆ Built-in Equalizer, Retiming, and Driver
☆ Auto EDID management
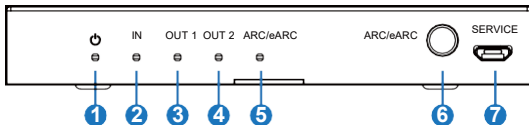☆ Compact design for easy and flexible installation

3. Package Contents

① 1 × 4K HDMI ARC/eARC Audio Adapter
② 1 × 5V/1A American Standard Power Adaptor
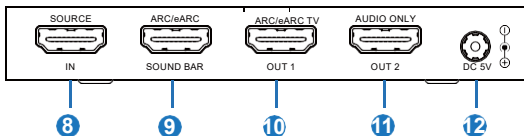③ 1 × User Manual

4. Specifications

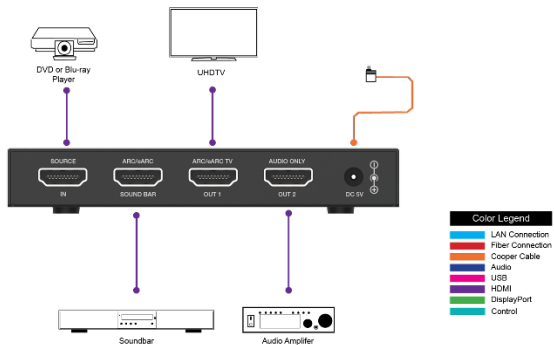| Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.3
Video Bandwidth	18Gbps
Video Resolution	Up to 4K2K@60Hz with 24-bit RGB/YCbCr 4:4:4
Color Depth	8-bit,10-bit,12-bit
Color Space	RGB, YCbCr_4:4:4, YCbCr_4:2:2, YCbCr_4:2:0
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
Connection	
Input	1×HDMI IN [Type A, 19-pin female]
Output	1×HDMI SOUND BAR [Type A, 19-pin female] 2×HDMI OUT [Type A, 19-pin female]
Control	1×SERVICE [Micro USB, Update port]
Mechanical	
Housing	Metal Enclosure
Silkscreen Color	Black
Dimensions	120mm (W) × 70mm (D) × 16mm (H)
Weight	210g
Power Supply	DC 5V/1A
Power Consumption	2.28W (Max)
Operation Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (Non-condensing)

5. Operation Controls and Functions

Front Panel

Rear Panel

No.	Name	Function Description
1	POWER LED	When the device is powered on, the red LED will light on.
2	HDMI IN LED	When the HDMI IN port connects with a signal source, the green LED will light on.
3	HDMI OUT1 LED	When the HDMI OUT1 port connects with a display, the green LED will light on.
4	HDMI OUT2 LED	When the HDMI OUT2 port connects with a display, the green LED will light on.
5	ARC/eARC LED	When the ARC/eARC function is turned on, the green LED will light on.
6	ARC/eARC button	Press this button, and the ARC/eARC function will be enabled; Press it once again; the function will be disabled.
7	SERVICE port	Firmware update port.
8	HDMI IN	The HDMI signal input port connects to an HDMI source device, such as a DVD or PS5, with the HDMI cable.
9	SOUND BAR	The ARC/eARC-capable audio signal output port connects to a Soundbar with the HDMI cable.
10	HDMI OUT1	ARC/eARC-capable HDMI signal output port, connect to a TV with ARC/eARC function.
11	HDMI OUT2	Dedicated audio signal output port, connect to an Amplifier or TV. Connecting to a TV set will output audio only with a black screen.
12	DC 5V	DC 5V Power input port.

6. Application Example

HDMI and HDMI High-Definition Multimedia interface and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing LLC in the United States and other countries.