



4K HDMI ARC/eARC Audio Adapter

USER MANUAL

HDA-929

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Thank you for purchasing this product

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully 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 may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the service life of your equipment.

Please Activate your warranty by registering our product through the link below - www.orei.com/register

Technical Support

Need Help?

Our experienced Technical Support Team is here for you to answer your questions, give technical advice or help troubleshoot your project to get you installed on time and on budget. Call, email or chat with us now.

OREI Live Technical Support Hours

US team (US/Canada/Mexico): Monday-Friday, 9 a.m. - 6 p.m. Central Time

Support Email - info@orei.com | **Support Number** - 877-290-5530

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Send us an instant message now. Our Technical Support Team will respond momentarily. Available during live support hours.

Introduction

This 4K HDMI ARC/eARC Audio Adapter is capable to output Dolby Atmos audio from an external HDMI source to eARC/ARC sound systems. Since it is 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/BOSE 900 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.



1. HDMI 2.0b and HDCP 2.3 compliant
2. Support 18Gbps video bandwidth
3. Support video resolution up to 4K2K@60Hz with 24-bit RGB/YCbCr 4:4:4
4. Support HDR, HDR10, HDR10+, Dolby Vision and HLG pass-through
5. 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
6. Perfect solution for SONOS ARC/BOSE 500/BOSE 700/BOSE 900 Sound-bars and other eARC/ARC audio/video receivers
7. Dedicated HDMI port for outputting audio only when connecting with legacy AVR without eARC/ARC function
8. Built-in Equalizer, Retiming and Driver
9. Auto EDID management
10. Compact design for easy and flexible installation

Package Contents

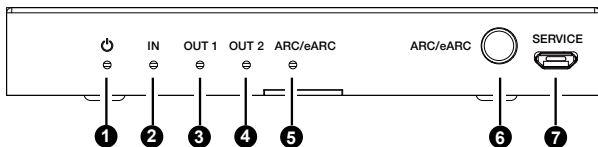
1.	4K HDMI ARC/eARC Audio Adapter	1 pcs
2.	5V/1A American Standard Power Adapter	1 pcs
3.	User Manual	1 pcs

Specifications

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.3
Video Bandwidth	18Gbps
Video Resolution	Up to 4K2K@60 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
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
Operating Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (Non-condensing)
Power Consumption (Max)	2.28W (Max)
Power Supply	DC 5V/1A

Operation Controls and Functions

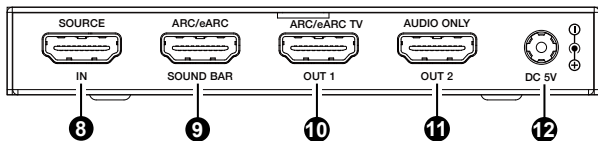
Front Panel



No.	Name	Function Description
1.	POWER LED	When the device is powered on, the red LED will be on.
2.	HDMI IN LED	When the HDMI IN port connects to a signal source, the green LED will be on.
3.	HDMI OUT 1 LED	When the HDMI OUT 1 port connects to a display, the green LED will be on.
4.	HDMI OUT 2 LED	When the HDMI OUT 2 port connects to an amplifier or AVR, the green LED will be on.
5.	ARC/eARC LED	When the ARC/eARC function is enabled, the green LED will be on.
6.	ARC/eARC button	Press this button, and the ARC/eARC function will be enabled; Press it once again, and the function will be disabled.
7.	SERVICE	Firmware update port.

Operation Controls and Functions

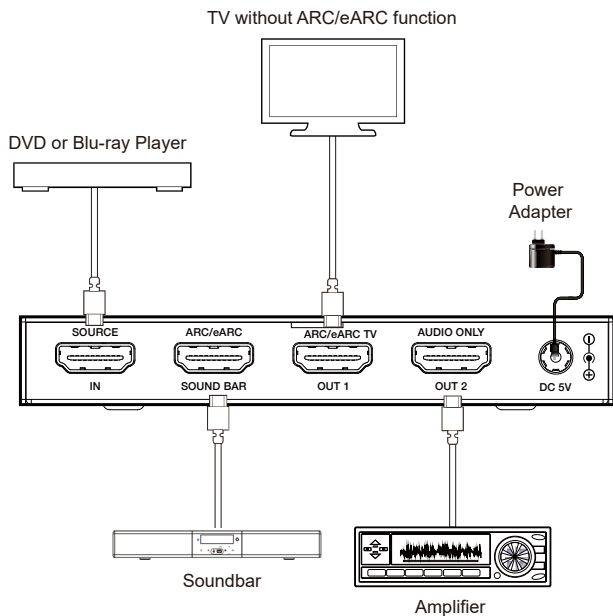
Rear Panel



No.	Name	Function Description
8.	HDMI IN	HDMI signal input port, connects to a HDMI source device such as DVD or PS5 with the HDMI cable.
9.	SOUND BAR	ARC/eARC-capable audio signal output port, connects to a Soundbar with the HDMI cable.
10.	HDMI OUT 1	ARC/eARC-capable HDMI signal output port, connects to TV HDMI Input or ARC/eARC port.
11.	HDMI OUT 2	Dedicated audio signal output port, connects to an Amplifier or TV. When connecting to a TV set, it will output audio only with black screen.
12.	DC 5V	DC 5V Power input port.

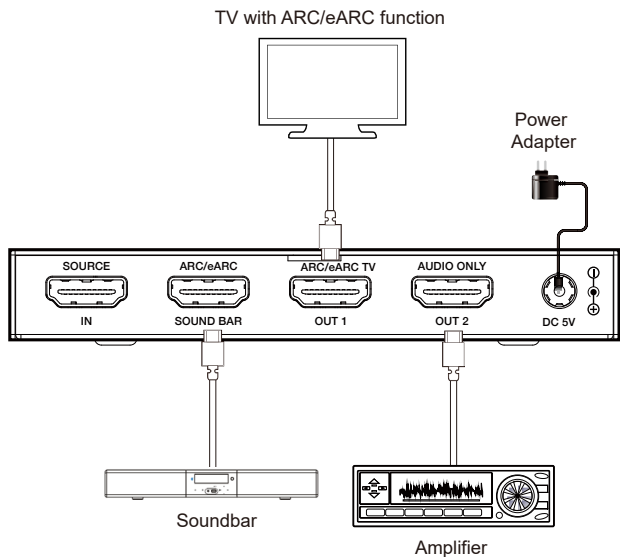
Application Example

Situation 1:



Application Example

Situation 2:



HDMITM
HIGH-DEFINITION MULTIMEDIA INTERFACE

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**4K HDMI ARC/eARC
Audio Adapter**

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