



HDA-915

**4K HDMI™ or ARC Audio Extractor
& Decoder (L/R, Optical)**

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USER MANUAL

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Thank you for purchasing this product

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

Important Safety Note - Surge Protection Recommended

This product contains sensitive electronic components that may be damaged by electrical spikes, surges, lightning strikes, or static discharge. To protect and extend the service life of your equipment, we strongly recommend using a surge protection device.

Warranty Registration

Activate your warranty by registering your product at:

→ www.orei.com/register

Need Technical Support? We're Here to Help.

Our experienced Technical Support Team is available to answer your questions, offer expert advice, and help troubleshoot any issues to keep your project on track—on time and on budget.

Live Support Hours (US/Canada/Mexico):

🕒 Monday–Friday | 9:00 a.m. – 5:00 p.m. Central Time

Contact Us:

✉ Email: info@orei.com

📞 Phone: 877-290-5530

💬 Chat Live: www.orei.com

Send us an instant message—our team typically responds within moments during live support hours.

Introduction

HDA-915 is a versatile HDMI™ audio extractor decoder designed to route high-quality audio from any HDMI™ source or ARC-enabled TV to external audio systems. It delivers both digital optical (SPDIF) and analog stereo (L/R) audio simultaneously, while passing through pristine 4K@60Hz video with 4:4:4 chroma sampling via its HDMI™ output. Supporting 18Gbps bandwidth and HDCP 2.2, it ensures compatibility with modern 4K 10-bit HDR content, including HDR10, HDR10+, Dolby Vision and HLG.

For added audio flexibility, it supports bitstream audio down-mixing, allowing Dolby® 5.1 and DTS® 5.1 surround audio to be converted into 2-channel analog stereo while preserving clarity. Simultaneously, full multi-channel audio is maintained through optical and HDMI™ digital pass-through for users who prefer surround sound output. ARC support enables audio return from ARC-enabled televisions.

CEC pass-through allows seamless control between connected media sources and TV. The compact design and plug-and-play installation make it ideal for any home theater setup or commercial installations.

Features & Package Contents

Features

1. **HDCP 2.2 Compliant** – Ensures full compatibility with protected 4K content.
2. **Ultra-HD Video Support** – Video resolutions up to 4K@50/60Hz (YUV 4:4:4) as specified in HDMI™ 2.0b.
3. **HDR Pass-Through** – Supports HDR, HDR10, HDR10+, Dolby Vision, and HLG up to 10-bit.
4. **5.1 Channel Audio Downmixing** – Converts Dolby Digital and DTS 5.1 bitstreams to 2-channel analog stereo.
5. **HDMI™ & Optical Audio Pass-Through** – Maintains original digital audio formats without degradation.
6. **ARC Audio Extraction** – Captures audio from an ARC-enabled TV.
7. **CEC Pass-Through** – Enables CEC communication between TV and HDMI™ source.
8. **Compact Design** – Perfect for home theater and commercial install.

NOTE: TV remote control will not control the volume on the Optical or Analog outputs.

Package Contents

1.	HDA-915	1 pcs
2.	Power Adapter	1 pcs
3.	User Manual	1 pcs

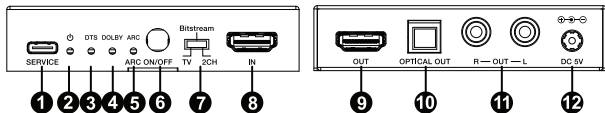
Specifications

Technical	
HDMI™ Compliance	HDMI™ 2.0b
HDCP Compliance	HDCP 2.2/1.x
Video Bandwidth	18Gbps
Video Resolution	Up to 4K2K@50/60Hz (YUV444)
Color Space	RGB, YCbCr_4:4:4, YCbCr_4:2:2, YCbCr_4:2:0
Color Depth	8/10/12-bit
HDR	HDR, HDR10, HDR10+, Dolby Vision, HLG
Audio Format	HDMI™ OUT: PCM 2.0/5.1/7.1, Dolby Digital, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS, DTS-HD Master, DTS:X Optical (S/PDIF): PCM 2.0, Dolby 5.1, DTS 5.1 Stereo(L/R): PCM 2.0, supporting DTS 5.1 and Dolby 5.1 audio signals to be processed by downmix and output as PCM2.0 audio signals
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge), ±4kV (Contact discharge)
Connection	
Input	1× HDMI™ [Type A, 19-pin female] 1× SERVICE [USB Type C]
Output	1× HDMI™ [Type A, 19-pin female] 1× L/R AUDIO [RCA] 1× OPTICAL [S/PDIF]

Specifications

Mechanical		
Housing	Metal Enclosure	
Color	Black	
Dimensions	L: 90mm / 3.54in W: 72mm / 2.83in H: 20mm / 0.79in	
Weight	182g / 6.42oz	
Power Supply	DC 5V/1A (US/EU standard, CE/FCC/UL certified)	
Power Consumption	2.6W (Max)	
Operation Temperature	0°C ~ 40°C / 32°F ~ 104°F	
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F	
Operating Humidity	20% ~ 80% relative humidity, no condensation	
Storage Humidity	10% ~ 90% relative humidity, no condensation	
Recommended HDMI™ Cable		
Video Resolution	4K60	1080P
HDMI™ Cable Length	8m/26ft	9m/30ft
The use of "Premium High Speed HDMI™" cable is highly recommended.		

Operation Controls and Functions

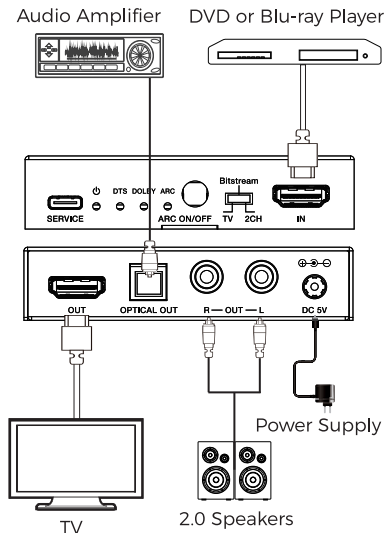


No.	Name	Function Description
1.	SERVICE	Used for firmware update.
2.	Power LED	The green LED lights up, when the unit is powered on.
3.	DTS LED	When DTS 2.0/5.1 audio format is detected, the green DTS LED lights up.
4.	DOLBY LED	When Dolby 2.0/5.1 audio format is detected, the green Dolby LED lights up.
5.	ARC LED	On: The ARC function is enabled. Flashing: The ARC function is enabled but no/improper connection detected. Off: The ARC function is disabled.
6.	ARC button	Press the ARC button to toggle the ARC function on or off. When ARC is enabled, audio is extracted from the TV's ARC port; when disabled, audio is extracted from the connected media source instead.

Operation Controls and Functions

No.	Name	Function Description
7.	TV/Bitstream /2CH switch	Use the switch to select audio format. TV: Copy EDID from TV. Bitstream: Copy TV video EDID + 5.1CH audio EDID. 2CH: Copy TV video EDID + 2.0CH audio EDID.
8.	HDMI IN	Connect a media source device such as DVD player, streaming device, etc.
9.	HDMI OUT	Connect a display device such as TV or monitor.
10.	OPTICAL OUT	Connect an audio device such as soundbar, AVR, etc.
11	L/R OUT	Connect an audio device such as headphone, soundbar, etc.
12.	DC 5V	Connect the included power adapter.

Application Example



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1. No audio from Optical or Analog output

- Ensure the audio format is set to Dolby Digital or DTS 5.1 from the media source or ARC TV.
- Make sure ARC is enabled on the unit if using an ARC TV.

2. No audio when using ARC

- Make sure ARC is enabled on the unit.
- Ensure the audio format is set to Dolby Digital or DTS 5.1 from the TV settings.
- Turn off eARC setting on the TV to ensure ARC transmission.

3. Can I control the volume of my soundbar or headphones through the TV remote?

CEC is an HDMI-only feature and does not work over Optical or L/R connections. Volume needs to be adjusted manually on the connected soundbar or headphones.

4. Intermittent audio, video or signal drop

- Try changing the video resolution from the media source.
- Try changing the switch on the unit to TV or 2CH.
 - Use high-quality, certified HDMI 2.0 cables.
- Change the audio format to Stereo from the media source or ARC TV in case of audio dropouts.

FAQs & Troubleshooting

Still have some questions?

Please feel free to contact us at: info@orei.com. OR Fill out the form on the 'Contact Us' page on the website.

Our team will be more than happy to help you.

OREI Live Technical Support Hours

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