4K HDMI eARC Audio Extractor

USER MANUAL

HDA-932

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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.

Registration page

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

Or

Chat Live on www.orei.com

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

Scan the QR code to watch a Video on How to Use the product.

Introduction

The OREI HDA-932 HDMI Audio Extractor is the perfect device for your home theatre setup. It allows you to connect and extract audio to an eARC Soundbar, even if you have a non-eARC TV. It supports video resolutions up to 4K@60Hz with 12-Bit HDR and 18 Gbps bandwidth. With three HDMI outputs – one for the TV, one for the eARC soundbar, and another for audio-only devices like AVRs and Amplifiers – it offers versatile connectivity options. This device also allows you to extract audio from an optical output (S/PDIF) and analog 3.5mm (stereo) output. It features an HDMI Input port to connect your media source such as a Blu-ray player, streaming device, computer, etc. allowing you to extract audio directly from the source. Additionally, you can also extract audio through an ARC/eARC TV.

Features

1. HDMI 2.0/2.1(e-ARC) and HDCP 2.3 compliant.
2. Video resolutions up to 4k@60Hz with 12-bit HDR
3. Compatible with all latest audio technologies up to Dolby Atmos (via 2.1 HDMI/e-ARC)
4. Three audio format modes (2ch/5.1ch/7.1ch)
5. Pixel clock rate up to 600MHz and 18 Gbps Bandwidth
6. 5 Audio outputs:
   - HDMI (through TV)
   - HDMI e-ARC
   - HDMI Audio-Only
   - Optical (S/PDIF)
   - Analog (3.5mm or 1/8-inch port)
7. Automatically detects if the audio is coming from the source or an ARC/eARC TV.
8. Video and audio separation.
9. Supports CEC volume control through the TV remote (Doesn't support HDMI CEC power on/off for connected devices).
10. Plug and play setup. No drivers required.

Package Contents

1.	HDA-932 HDMI Audio Extractor	1pc
2.	DC 5V/1A Power Adapter	1pc
3.	Audio cable (3.5mm to RL)	1pc
4.	User Manual	1pc

Specifications

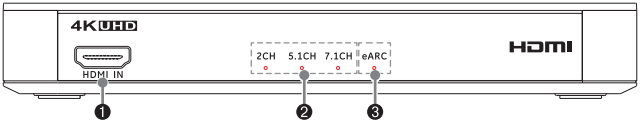
Technical	
HDMI Compliance	HDMI2.0(video) / HDMI 2.1(eARC)
HDCP Compliance	HDCP 2.3
Video Bandwidth	18 Gbps
Video Resolution	Up to 4K@60Hz
Color Space	RGB YUV 4:4:4 YUV 4:2:2 YUV 4:2:0
Color Depth	12 Bit
HDMI Audio Formats	PCM 2.0, LPCM 5.1 / 7.1, Dolby Digital, Dolby Digital Plus, Dolby TrueHD, Dolby Atmos, DTS 5.1, DTS ES 6.1, DTS HRA, DTS HD Master, DTS:X
Connectivity	
Input ports	1x HDMI [Type A 19-Pin Female]
Output ports	3x HDMI [Type A 19-Pin Female] 1x S/PDIF (Optical) 1x 3.5mm audio jack

Specifications

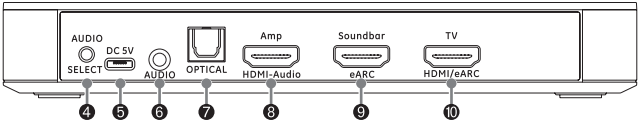
Physical Properties	
Height	26.3mm (1.03 inches)
Width	175mm (6.89 inches)
Depth	86.6mm (3.41 inches)
Weight	158g (5.57 Oz)
Power Consumption (Max)	5W
Power Supply	5V/1A
Color	Black
Housing	MABS+ABS

Operation Controls and Functions

Front Panel



Rear Panel



Operation Controls and Functions

No.	Name	Function Description
1.	HDMI input	Connect a media source device such as a Computer, Laptop, etc.
2.	Audio signal indicator	This led indicator will light up when one of these configurations is selected.
3.	e-ARC indicator LED	This LED indicator will turn on when the source of the e-ARC signal is the TV and it will stay off when the audio signal is from the media source.
4.	Audio selection key	Press this button to change the sound configuration to a different mode. (2CH > 5.1CH > 7.1CH)
5.	Micro USB port	Connect the included power adapter
6.	3.5mm Analog port	Connect a 3.5mm aux cable to this port for stereo output.
7.	S/PDIF (optical)	Connect a S/PDIF Optical cable to this port for digital output.
8.	Amp HDMI Audio	Connect to your AVR or Amplifier HDMI Input port.
9.	e-ARC Soundbar port	Connect your ARC/e-ARC soundbar to this port.
10.	HDMI/e-ARC output	Connect a display device such as a TV, Monitor, etc. You can connect a non-eARC TV as well.

Audio Interface Table

Audio Output	Icon	Supported Audio Formats (Channel)		
		2CH	5.1CH	7.1CH
HDMI_eARC		V	V	V Uncompressed
HDMI_Audio		V	V	V Compressed
Optical (S/PDIF)		V	V	
Stereo 3.5MM (Analog)		V		

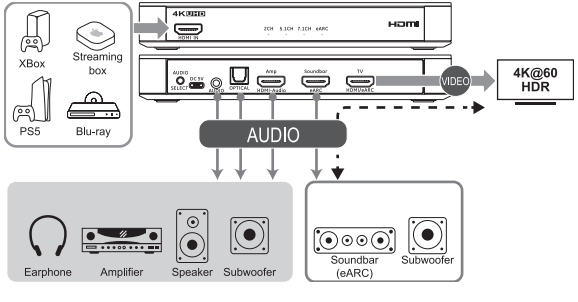
Supported Audio Codecs

	Supported Audio Codecs			
2.0 CH	PCM 2.0			
5.1 CH	PCM 2.0	DTS 5.1	Dolby Digital 5.1	
7.1 CH	PCM 2.0	DTS 5.1	DTS-HD 7.1	Dolby Digital 5.1
	Dolby Digital + 7.1	Dolby TrueHD 7.1		

Application Example

Connecting Your External Media Source to Extract Audio

1. Connect your external source to the “HDMI in” port via an HDMI cable.
2. Connect your HDMI cable’s one end to your TV’s HDMI port and connect the other end to this device’s HDMI TV port.
3. For audio output connect the HDMI cable from this device’s Soundbar port to your ARC/eARC soundbar or from the HDMI-Audio port to your non-ARC/ eARC AVR or Amplifier.
4. Select the audio format that is compatible with the devices you have connected by pressing the “Audio Select” button.
5. Connect the DC 5V/1A power adapter to the micro-USB port to power up the device.
6. After finishing the connection, one of the audio format indication LEDs will light up (green) indicating which mode is currently selected.
7. Now, play any media and enjoy high-quality audio and video.



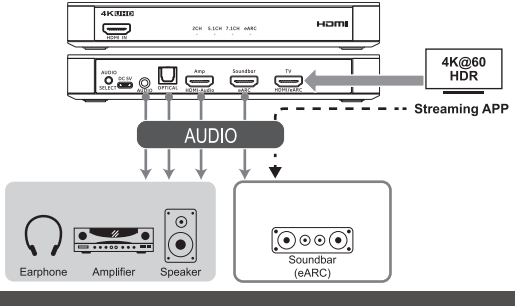
Application Example

Connecting Your ARC/eARC TV to Extract Audio

1. Connect your HDMI cables from the TV's ARC/eARC port to the output port named: "TV (HDMI ARC/e-ARC)".
2. For audio output connect the HDMI cable from this device's Soundbar port to your ARC/eARC soundbar or from the HDMI-Audio port to your non-ARC/eARC AVR or Amplifier.
3. Connect the DC 5V/1A power adaptor to the micro-USB port to power up the device.
4. After finishing the connection, one of the audio format indication LEDs will light up (green) indicating which mode is currently selected.
5. Now, play any media from your TV's internal apps and enjoy high-quality audio and video.

Notes.

- eARC LED will stay off when the source of audio is an external device such as a Blu-ray DVD player, laptop, gaming console etc.
- When an eARC TV is connected, the eARC indication LED (green) will light up.



FAQs & Troubleshooting

- **Before you check the FAQ, please make sure your devices meet the following specification.**

1. HDMI cable
   - In order to transmit 4K@60 HDR video and 5.1/7.1 CH audio, please use HDMI 2.0 certified PREMIUM cable.
   - For eARC soundbar to play Dolby Atmos audio, please use HDMI 2.1 certified UHS cable.
   - All HDMI 2.1 certified cables will come with a QR code on their labels. Scan the labels on "HDMI Cable Certification" APP to confirm their authenticity.
   - https://www.hdmi.org/spec21sub/ultrahighspeedcable

2. Turn on all the devices' power (displays, external source, audio system), then finish setting up.
3. Make sure all the cables are connected properly.
4. To watch 4K Atmos video, you'll need:
   - A display that supports 4K resolution.
   - An audio system that inputs eARC or 7.1CH Atmos.
   - A source device that outputs 4K video and 7.1CH audio.
   - Ensure streaming platforms and videos must support 4K resolution and 7.1CH audio.
5. For some audio systems, you must follow the installation procedure in the manual to function normally.
6. To play videos on streaming box or TV app, make sure that your Wi-Fi speed meets the minimum standard on the platform. If you're watching 4K video with the minimum internet speed, please avoid having multiple users to get on the internet at the same time, which might lead to screen-corruption.

FAQs & Troubleshooting

CEC Link	Power On/Off Issues
Q: When you encounter CEC/ARC Issues	
1. Due to CEC and ARC compatibility among different brands and models, there might be some abnormal issues when using HDMI connection, ex: audio might not work or might work intermittently; all the devices can't be turn off at the same time, etc.	
2. If you have the above conditions, • Please visit the device's website for further CEC-related information. • Turn the devices' CEC off to reduce CEC link issues.	

Audio	No Audio
Q: When there is no sound on audio system	
1. Make sure your audio system is on and select the correct signal source on it. 2. Make sure that all the cables connected properly. 3. Make sure the HDA-932 audio format can be decoded by the sound system. 4. Please refer to your Soundbar's set up instruction.	

FAQs & Troubleshooting

Audio	Noisy Audio
Q: If you hear unusual noise in your headphone or speaker which is connected to 3.5mm jack.	
Depending on the type of device, you should choose the correct audio format on TV: PCM, Dolby, or auto. If you want to output audio via Analog 3.5mm interface, please set your TV audio format to PCM.	
• Samsung TV: Settings > Sound > Expert Settings > Digital output Audio format > PCM https://www.samsung.com/us/support/answer/ANS00085244/ SONY TV: Settings > Sound > Digital Audio Out > PCM https://helpguide.sony.net/gbmig/C5331001/v1/eng/c_extsnd_digaout.html Steps may differ by TV manufacturers. Please refer to your TV's user manual for more information.	

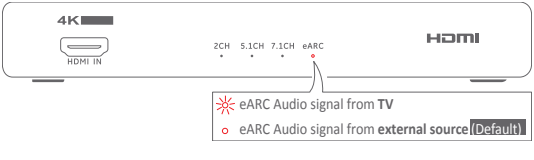
FAQs & Troubleshooting

Audio	Noisy Audio
Q: Why does a beeping sound randomly happen when switching from external sources to TV apps?	
This beeping sound may randomly happen because HDA-932 is continuously sending audio signals to Soundbar, but the source signal could be from TV or external devices. When switching between different source signals, a certain amount of time is required for TV or its' apps, HDA-932 or source devices to process and convert the audio data. It could last 1-2 secs or more. While processing data, HDA-932 will send a blank signal to Soundbar, which results in the beeping sound. It is neither abnormal nor a defect of HDA-932. We cannot avoid this condition as it is data processing time for all the connected devices. The time may vary for different TVs or source devices. Normally the beeping sound disappears soon; it won't affect the Soundbar to play the audio.	

Audio	Audio cuts in & out
Q: Audio cuts in and out on Soundbar, what could it be?	
1. If audio cuts in and out on your Soundbar, it might be EDID problems between the devices. Try power cycling all the devices (displays, external sources and audio system) 2. For some audio systems, you must follow the installation procedure in the manual to function normally. *Note: To play videos on streaming box or TV app, make sure that your wifi speed meets the minimum standard on the platform. If you're watching 4K video with the minimum internet speed, please avoid having multiple users on the internet at the same time, which might lead to screen-corruption.	

FAQs & Troubleshooting

Audio	No Atmos
Q: I can get Atmos from external sources but I cannot get Atmos from TV apps.	
Here's what you need to make Dolby Atmos work: • A TV which is capable of transmitting eARC signals. • In order to transmit eARC audio, please use HDMI 2.1 certified UHS cable. • The selection on the main unit matches the audio device. • For some audio systems, you must follow the installation procedure in the manual to function normally. • To play videos on streaming box or TV app, make sure that your wifi speed meets the minimum standard on the platform. • Please check that eARC indication LED remains on: » Light on: eARC audio signal from TV. » Light off: eARC audio signal from external source. (Default)	



FAQs & Troubleshooting

Audio	Uncompressed 5.1/7.1CH audio supported?

Q: Why can't I get uncompressed 5.1/7.1CH Dolby True HD when I connect my AVR to the HDMI audio port?

1. HDA-932: HDMI_eARC Audio supports uncompressed 7.1CH
2. HDA-932: HDMI_Audio supports compressed 7.1CH

* Please switch Audio format to 5.1 or 7.1CH on HDA-932

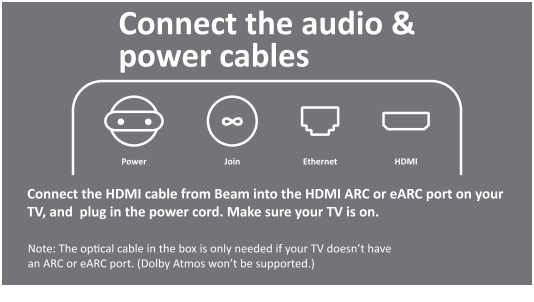
Audio	ARC TV To eARC TV?

Q: My TV only has HDMI ARC (not eARC), can this device make it to eARC?

If your TV only has ARC input, HDA-932 cannot upgrade it to eARC. However, you can extract audio from video with HDA-932 and transmit eARC signals to Atmos-enabled audio systems. Please refer to the following methods:

- When you are watching Dolby Atmos content over a streaming box or any external HDMI source device, you can still transmit Atmos audio to eARC Soundbar or AVR via HDA-932.
- You can try the below
  - » External source > HDA-932 (HDMI_IN)
  - » HDA-932 (TV_eARC) > TV (HDMI_eARC input)
  - » HDA-932 (HDMI_eARC) > AVR (HDMI_IN)
  - » HDA-932 (HDMI_Audio) > AVR (HDMI_IN)

SONOS ARC / SONOS Beam Gen 2 / BOSE SMART 900	No audio
Q: When powering off the TV and turning it back on later, there is no audio output from SONOS.	
Please follow Sonos connection sequence, you'll need to connect and turn on other devices first (source device/TV) then turn on the soundbar as the last step. Once you get Dolby Atmos, we suggest keeping the Sonos soundbar always ON. Turning ON/OFF the TV or HDA-932 unit when done with watching the programs.	



FAQs & Troubleshooting

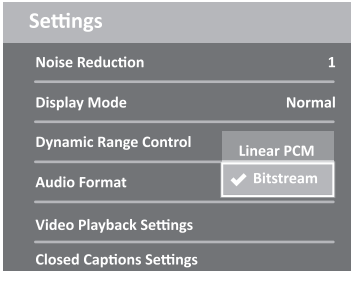
SONOS ARC / SONOS Beam Gen 2 BOSE SMART 900	No audio
Q: Audio cuts in and out, what could it be?	
1. If audio cuts in and out on your Soundbar, it might be EDID problems between devices. Firstly try cycling different audio formats on the HDA-932. 2. Try power cycling all the devices (displays, external sources and audio system). 3. For some audio systems, you must follow the installation procedure in the manual to function normally. Note: To play videos on streaming box or TV app, make sure that your Wi-Fi speed meets the minimum standard on the platform. If you're watching 4K video with the minimum internet speed, please avoid having multiple users on the internet at the same time, which might lead to screen-corruption. https://www.sonos.com/en-us/guides/beam https://support.sonos.com/en-nz/article/reboot-sonos-products	
Q: When turning on the TV, there is no audio output from BOSE SMART 900 ARC.	
Power cycle – It creates CEC handshake again. https://www.bose.com/en_us/support/articles/HC2482/productCodes/bose_smart_soundbar_900/article.html.html.html.html	

Input Sources	PS5 & Blu-Ray Disc

Q: How to change audio settings on PlayStation 5 console and pass-through Dolby Atmos to eARC soundbar?

- PLAY STATION 5:
  1. Settings > Sound > Audio Output > HDMI Device Type >>> change to Sound Bar
  2. Settings > Sound > Audio Output > Audio Format (Priority) >>> change to Dolby, if your speaker is connected directly to PS5

- BLU-RAY DISC (while playing):
  1. Enable Dolby Atmos in the disc audio menu/settings
  2. Press “Options” button on PS5 controller > 3-dots menu > Settings> Audio Format>>> change to Bitstream



FAQs & Troubleshooting

Picture	No Pictures
Q: When there is no picture presented.	
Please select the correct signal source on TV. or refer to the first page of FAQs.	

Picture	No 4K
Q: When resolution could not show in 4K.	
To watch 4K Atmos video, you'll need: • A display that supports 4K resolution. • An audio system that inputs eARC or 7.1CH Atmos. • A source device that outputs 4K video and 7.1CH audio. • Ensure streaming platforms and videos must support 4K resolution and 7.1CH audio.	

TV/Projector	No audio with NVIDIA SHIELD
Q: I cannot get audio or keep hearing beeping sound when turning on the TV or projector.	
There are handshake problems on some streaming boxes (video with no sound), so we recommend you the following solutions: • Press ● on NVIDIA remote control to go to Menu Page. • Press V+ 🔊 or V- 🔉 on R/C. • Then go back to the App (Youtube or Netflix), the audio should output normally.	

FAQs & Troubleshooting

TV/Projector	Restart issues with Roku
Q: No sound from soundbar when the projector is in standby mode or turn off after a periods of inactivity and turn back on again.	
Power cycle all the devices (have the EDID communication process again) to resume the transmission between video and audio.	

TV/Projector	Restart issues with Fire stick
Q: Fire stick has been off overnight and every time I try to turn on the TV, there's no sound from the Soundbar. I have to restart the Fire stick to make it work again. Is there any way to fix it?	
1. Fire stick will be in hibernate mode in about 20 mins, please turn the HDMI CEC device control on. 2. To turn on HDMI CEC on Amazon Fire stick: Settings > Display and Audio > Select HDMI CEC controls and turn it ON.	

Equipment	eARC light constantly on
Q: The eArc light is constantly on when I watch content from external sources, not the TV streaming app.	
(1) Turn the TV off and turn back on , if problem persist , try (2) Switching the TV input to another input and then switch it back to the original input that is connected to HAD-932. (3) Exiting out of the TV app, such as YouTube	

4K HDMI eARC Audio Extractor HDA-932

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