



**EARC-EX330-K**

**HDMI™ ARC/eARC & S/PDIF  
Audio Extender (100m)**

**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. 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](http://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. - 5 p.m. Central Time  
**Support Email** - [info@orei.com](mailto:info@orei.com) | **Support Number** - 877-290-5530

# Introduction

The EARC-EX330-K can transmit HDMI ARC/eARC and S/PDIF audio signals up to 100m/~330ft over a single CAT 6/7 cable. It supports CEC pass-through between HDMI ARC/eARC input port and ARC/eARC output port. For TVs without an ARC/eARC port, the extender provides an independent S/PDIF audio pass-through channel to transmit S/PDIF audio from the S/PDIF IN port on the Transmitter to the S/PDIF OUT port on the Receiver. This is a fantastic plug and play solution for sending HDMI ARC/eARC and S/PDIF audio from a TV back to an amplifier, AVR or a multi-room audio system.



# Features & Package Contents

1. Extend HDMI ARC/eARC or S/PDIF audio signal up to 100m/~330ft
2. High quality audio transmission over CAT 6/7 cable
3. Audio formats:-
  - **eARC**: PCM 2.0/5.1/7.1ch, Dolby Digital/Plus, Dolby TrueHD, DTS, DTS-HD MA, Dolby Atmos
  - **ARC**: PCM 2.0ch, Dolby 5.1ch, DTS 5.1ch
  - **S/PDIF**: PCM 2.0ch, Dolby 5.1ch, DTS 5.1ch
4. CEC pass-through when HDMI eARC mode is enabled
5. Power over Cable technology; only requires power adapter at one end
6. Compact design and plug-and-play installation

## Package Contents

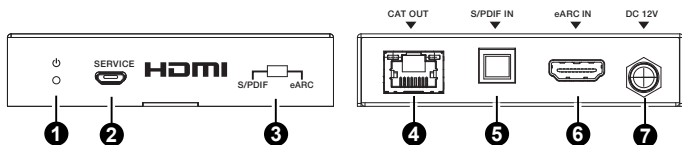
1.	EARC-EX330-K (Transmitter)	1 pcs
2.	EARC-EX330-K (Receiver)	1 pcs
3.	Power Adapter	1 pcs
4.	User Manual	1 pcs

# Specifications

Technical	
Supported Audio Formats	<b>eARC:</b> PCM 2.0/5.1/7.1ch, DD, DD+, DTS, Dolby TrueHD, DTS-HD MA, Dolby Atmos <b>ARC:</b> PCM 2.0CH, Dolby 5.1CH, DTS 5.1CH <b>S/PDIF:</b> PCM 2.0CH, Dolby 5.1CH, DTS 5.1CH
Transmission Distance	100m/328ft
ESD Protection	IEC 61000-4-2: ±8kV (Air-gap discharge) , ±4kV (Contact discharge)
Connection	
Transmitter	Input: 1× S/PDIF [Optical Audio Jack] 1× eARC [HDMI Type A, 19-pin female] Output: 1× CAT [RJ45, female] Control: 1× SERVICE [Micro-USB]
Receiver	Input: 1× CAT [RJ45, female] Output: 1× S/PDIF [Optical Audio Jack] 1× eARC [HDMI Type A, 19-pin female] Control: 1× SERVICE [Micro-USB]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	L: 90mm / 3.54in W: 72mm / 2.83in H: 20mm / 0.78in
Weight	Transmitter/Receiver: 184g / 6.49oz
Power Consumption	5.65W (Max)
Power Supply	Input: AC 100-240V 50/60Hz Output: DC 12V/1A (US/EU standard, CE/FCC/UL certified)
Operating Temperature	32~104°F / 0~40°C
Storage Temperature	-4~140°F / -20~60°C
Relative Humidity	20~90% RH (Non-condensing)

# Operation Controls and Functions

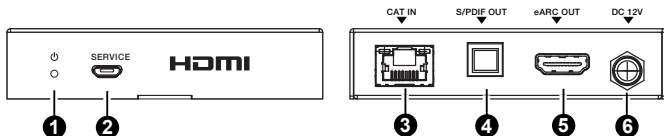
## Transmitter



No.	Name	Function Description
1.	Power LED	When the Transmitter is powered on, the Red power LED will light up.
2.	SERVICE	Firmware update port.
3.	S/PDIF /eARC switch	Use this switch to select audio pass-through channel. <b>Switch to S/PDIF:</b> The S/PDIF OUT port outputs the audio received from the S/PDIF IN port on the transmitter. <b>Switch to eARC:</b> The eARC OUT port outputs the eARC audio received from the eARC IN port on the transmitter.
4.	CAT OUT	Connect a CAT6/7 cable. The other end connects to the Receiver.
5.	S/PDIF IN	Connect to the optical output port of a TV or Monitor
6.	eARC IN	Connect to the ARC/eARC port of a TV
7.	DC 12V	Connect the included power adapter

# Operation Controls and Functions

## Receiver

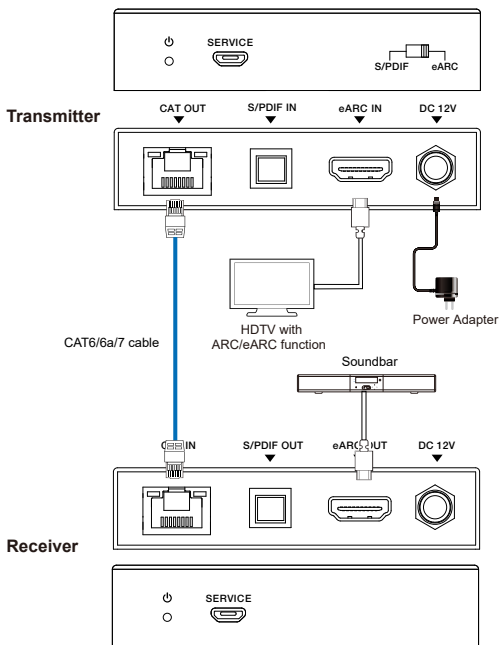


No.	Name	Function Description
1.	Power LED	When the Receiver is powered on, the Red power LED will light up.
2.	SERVICE	Firmware update port.
3.	CAT IN	Connect a CAT6/7 cable. The other end connects to the Transmitter.
4.	S/PDIF OUT	Connect to the optical input port of a soundbar or AVR
5.	eARC OUT	Connect to the ARC/eARC port of a soundbar or AVR
6.	DC 12V	Connect the included power adapter



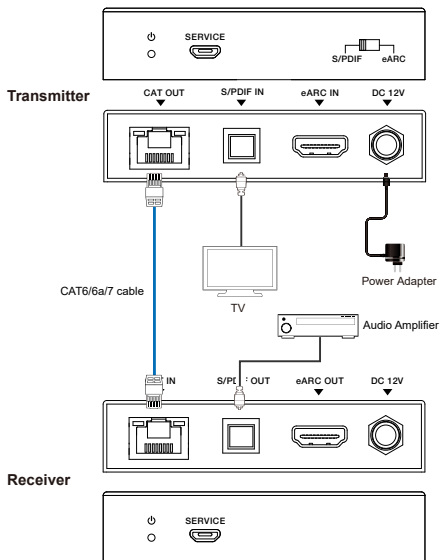
# Application Example

## Situation 1: ARC Mode



# Application Example

## Situation 2: S/ PDIF Mode



The terms 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.

# FAQs & Troubleshooting

## 1. How do I connect my ARC/eARC TV to my ARC/eARC Soundbar/AVR that is in my media closet?

The ARC/eARC port of the TV would connect to the eARC IN on the Transmitter unit and the ARC/eARC port of the Soundbar/AVR would connect to the eARC OUT on the Receiver unit. Set the switch on the Transmitter to eARC to enable eARC mode.

## 2. I am unable to get audio from my soundbar/AVR.

Check the following:-

1. Is ARC/eARC enabled on the TV
2. Is the switch on the Transmitter set to 'eARC'
3. Check if the audio format is set to a compatible one in the TV settings
4. Make sure you are using HDMI 2.1 cables

### ***Still have some questions?***

Please feel free to contact us at: [info@orei.com](mailto: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.

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