

SIMPLIFIED
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eARCEX-Mini

50m eARC Extender



User Manual

V1.0

Thank you for purchasing the eARCEX-Mini eARC/ARC extender

The eARCEX-Mini is an eARC over category cable extender set designed to provide years of reliable service. Please keep this manual as a reference.

Surge protection device recommended

A surge device is always good insurance in electrically active areas where the power grid is unreliable. To prevent surges through the HDMI cable, use an HDSURGE device when satellite or cable boxes are part of the AV circuit.

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1. Introduction

The eARCEX-Mini Extender can extend an eARC audio signal up to 50m along with CEC commands. An eARC extender is superior to an ARC extender both in capability/bandwidth and ease of use.

2. Features

- Compact Design
- Low power consumption (Display end can be powered by USB)
- Plug and Play with little to no display settings adjustment
- Supports all HDMI audio formats
 - eARC:** LPCM2.0/5.1/7.1, DD, DD+, Dolby True HD, DTS-HD Master audio, & Dolby Atmos
 - ARC:** LPCM2.0/5.1 Dolby 5.1 & DTS 5.1
- Full audio bandwidth will sound superior in all audio formats

3. Package Contents

- 1 × eARC Transmitter
- 1 × eARC Receiver
- 1 × Type-A USB to 5.5mm power adapter
- 2 × 5V/1A DC Power Adapter
- 1 × User Manual

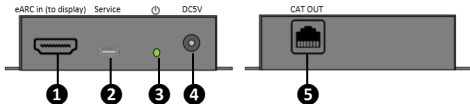
4. Specifications

Technical	
Audio Formats Supported	eARC: PCM 2.0/5.1/7.1ch, DD, DD+, DTS, Dolby TrueHD, DTS-HD MA, Dolby Atmos ARC: PCM 2.0CH, Dolby 5.1CH, DTS 5.1CH
Distance Capability	50m /165ft.
ESD Protection	Human Body model: +/- 8 kV (air-gap discharge) +/- 4 kV (contact discharge)

Connection	
Transmitter	Input: 1 x HDMI Type A [19-pin female] Outputs: 1 x CAT OUT [RJ45, 8-pin female] Service: 1 x USB-C Service port
Receiver	Inputs: 1x CAT IN [RJ45, 8-pin female] Output: 1x HDMI Type A [19-pin female] Service: 1 x USB-C Service port
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	79.5mm (3.125") [W] x 69mm (2.75") [D] x 16.5mm (0.65") [H]
Weight	Transmitter: 132g (4.65 oz.), Receiver: 130g (4.6 oz.)
Power Supply	5V/1A DC
Power Consumption	Transmitter: 0.86W, Receiver: 1.25W
Operation Temperature	32 - 104°F / 0 - 40°C
Storage temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)

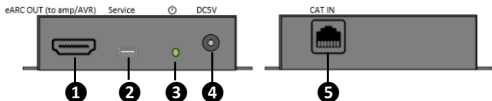
5. Operation Controls and Functions

5.1 Transmitter Panel (Display end)



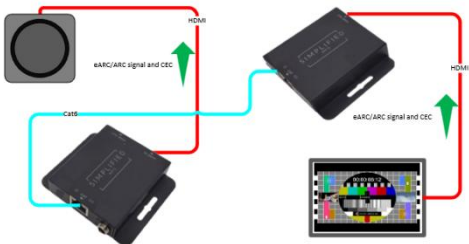
No.	Name	Function Description
1	eARC IN	HDMI port connects to ARC/eARC port of display
2	SERVICE	USB-C port for firmware and debugging
3	Power LED	When the transmitter is powered on, the LED will be Illuminated
4	DC5V	DC 5V power supply port
5	CAT OUT	Connect to RC via Category cable (up to 50m (165ft.))

5.2 Receiver Panel



No.	Name	Function Description
1	eARC OUT	eARC ARC through HDMI output to Amplifier, AVR or another eARC/ARC enabled device
2	SERVICE	USB-C port for firmware and debugging
3	Power LED	When the receiver is powered on, the LED will be Illuminated
4	DC 5V	DC 5V power supply port
5	CAT IN	Connects to TX device via Category cable

6. Application Example



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.

7. Warranty

Should you feel that this product does not function adequately due to defects in materials or workmanship, we (referred to as "the warrantor") will, for the length of the period indicated below (starting from the original date of the purchase) either a) repair the product with new or refurbished parts. Or b) Replace the product with a new or refurbished product. All Simplified MFG products are covered by a 3-year PARTS and LABOR warranty. During this period there will be no charge for unit repair, replacement of unit components or replacement of the product if deemed necessary. The decision to repair or replace it is made by the warrantor. The purchaser must mail in the product during the warranty period. This limited warranty only covers the product purchased as new and is extended to the original purchaser only. It is non-transferable to subsequent owners, even during the warranty period. A purchase receipt or other proof of purchase date is required for the limited warranty service.

8. Contact

Sales and tech support;

P. 833-HDMI-411 (833-436-4411)

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