MPTP-T200ARC

eARC and SPDIF Audio Extender

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Introduction

The product is an audio extender set that includes one Transmitter and one Receiver. It is designed to transmits HDMI eARC / ARC and optical digital audio signals up to distance of 200m (eARC/ARC signals up to 100m) via CATx cable. It also supports CEC pass-through when HDMI eARC/ARC audio is selected.

Features

- Extend either eARC/ARC or optical digital audio signals over a single CAT cable.
- Supports eARC/ARC distribution distances up to 100m.
- Supports optical audio distirbution distances up to 200m.
- Supports CEC pass-through when HDMI eARC/ARC mode selected.
- Bi-directional PoC (Power over Cable)
- Selection between HDMI eARC/ARC or Optical digital audio via dipswitch on the TX

Package List

- 1x Transmitter
- 4x TX Plastic Cushions
- 1x Power Adapter (12VDC, 1A)

- 1x Receiver
- 4x RX Plastic Cushions
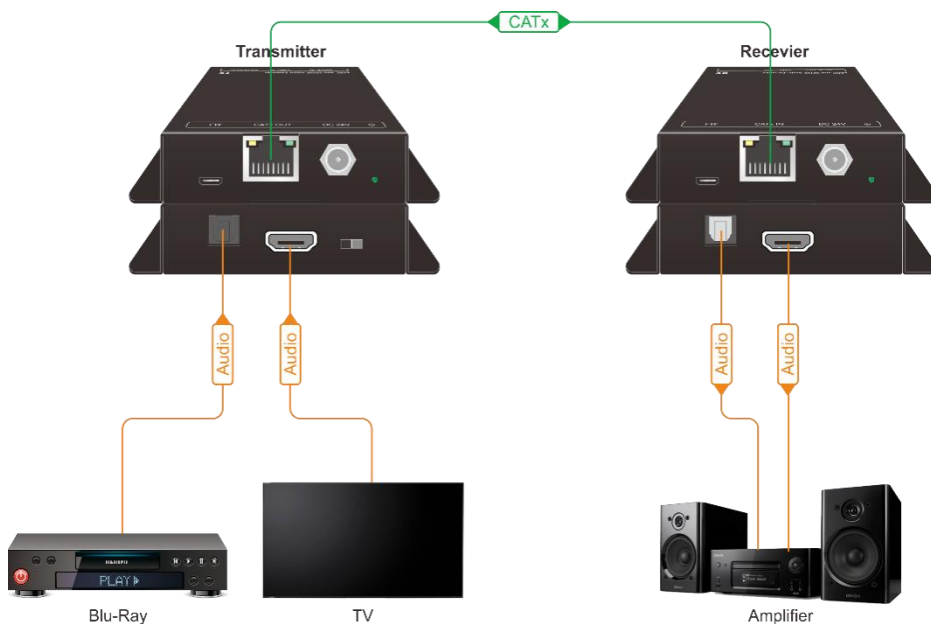- 1x User Manual

Panel Description

Transmitter

1. SPDIF IN: Connect to display for optical audio return.
2. eARC IN: Connect to eARC/ARC port on local HDMI display.
3. SPDIF/eARC: Select between eARC/ARC input port between HDMI or Optical input.
4. FW: USB Upgrade Port.
5. CATx OUT: Cat5e/6 RJ45 Output Port.
6. DC12V: 12V/1A DC power supply.
7. LED: Lights green when power is connected.

Receiver

1. SPDIF OUT: Connect to AVR or processor for optical audio return.
2. eARC OUT: Connect to AVR or processor audio return channel input.
3. FW: USB Upgrade Port.
4. CATx IN: Cat5e/6 RJ45 Input Port
5. DC12V: 12V/1A DC power supply.
6. LED: Lights green when power is connected.

System Diagram

Specification

Transmitter	
Input	(1) SPDIF, (1) eARC IN
Input Connector	(1) Toslink, (1) HDMI
Output	(1) CATx OUT
Output Connector	(1) RJ45
Control	(1) FIRMWARE
Control Connector	(1) Micro USB
Receiver	
Input	(1) CATx IN
Input Connector	(1) RJ45
Output	(1) SPDIF, (1) eARC OUT
Output Connector	(1) Toslink, (1) HDMI
Control	(1) FIRMWARE
Control Connector	(1) Micro USB
General	
Input Audio Format	eARC: PCM 2.0/5.1/7.1ch, Dolby Digital Plus, DTS, Dolby TrueHD, DTS-HD MA, Dolby Atmos ARC: PCM 2.0ch, Dolby 5.1ch, DTS 5.1ch Optical: PCM 2.0ch, Dolby 5.1ch, DTS 5.1ch
Output Audio Format	eARC: PCM 2.0/5.1/7.1ch, Dolby Digital Plus, DTS, Dolby TrueHD, DTS-HD MA, Dolby Atmos ARC: PCM 2.0ch, Dolby 5.1ch, DTS 5.1ch Optical: PCM 2.0ch, Dolby 5.1ch, DTS 5.1ch
Frequency Response	All audio: 20Hz ~ 20kHz, < ±0.3dB
Sample Rate	SPDIF: 48/96/192 kHz HDMI: 48/96/192 kHz
Transmission Distance	SPDIF: Up to 200m (CATx) eARC: Up to 100m (CATx) *Note: Optical fiber transmission supports up to 96kHz sampling rate at 200m, and up to 100m at 192kHz*
Power Consumption	2.5W (max)
Operation Temperature	0 ~ +40℃
Storage Temperature	-10 ~ +50℃
Relative Humidity	0% ~ 90%
External Power Supply	12V1A
Dimension (W*H*D)	TX: 80mm x 21mm x 74mm; RX: 80mm x 21mm x 74mm
Net Weight (g)	Transmitter: 150g, Receiver: 150g