

# **USER MANUAL**

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**Coaxial/Toslink Extender over single  
Cat5e/6 cable Up to 500meter**

## Dear customer

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.

Our series of HDMI converters, switchers, extenders, matrixes and splitters are designed to make your A/V device use more convenient, more comfortable, more productive and more cost-efficient.

The Coaxial/Toslink Extender - 500m extends S/PDIF audio signals up to 500 meters using an economical CAT5e/6 cable.

Our devices offer solutions for noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.

## Features:

- Transmits Coaxial/Toslink jack S/PDIF audio signals from source device to Coaxial/Toslink jack digital audio output devices such as AVRs, and sound bar up to 500 meters using economical CAT cable.
- Support PCM/LPCM 2.0, Dolby digital, DTS 5.1, sampling rate up to 48KHz.
- Select from one of two inputs: Coaxial or Toslink jack.
- Simultaneous audio outputs: Coaxial and Toslink jack supported.
- Power over Cable (POC) allows one power adapter, connected to the Receiver, to power the Transmitter over CAT cable.

## Specifications:

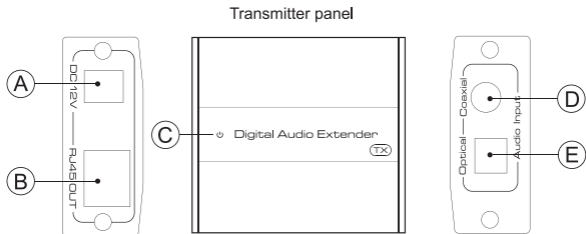
Operating Temperature Rang .....	0~40 °C (+32~+104°F)
Operating Humidity Range .....	5~90%RH(Not Condensation)
Data transfer speed .....	6.9Mbps
Sampling rate .....	44.1Khz,48KHz
Audio format .....	L/PCM2.0,DD,DD+,AC3,DTS5.1
Power consumption .....	1.5watts(Maximum)
Storage Temperature .....	-20°C ~ 60°C / -4°F ~ 140°F
Dimension (L x W x H) .....	68*58*24(mm)
Net Weight .....	Transmitter:78g,Receiver:78g

Notes: Specifications are subject to change without notice. Mass and dimensions are approximate.

## Package Contents :

- |   |     |
|---|-----|
| 1. Main Unit: Transmitter & Receiver each | 1pc |
| 2. DC 12V 1A                              | 1pc |
| 3. User manual                            | 1pc |

## Panel Description :



**A.DC12 V:** Connect to the 12V DC power supply into the unit and plug the adaptor to an AC wall outlet.

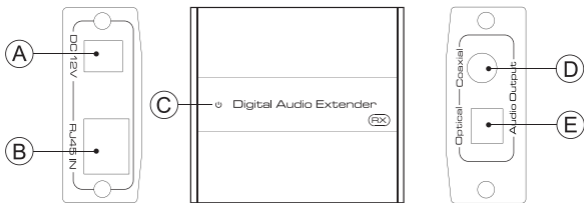
**B.RJ45 OUT:** Connect the RJ45 output of the transmitter to the RJ45 input of the receiver (**Warning: CAT5E/6 cable must be a IEEE 568B standard connection method or the product will be damaged!** )

**C.Power LED:** The Power LED will illuminate in red when the unit is connected to the power supply .

**D.Coaxial Input:** Connect to the audio source equipment such as a Blu-ray with Digital Audio Coaxial Cable (Don't support connecting Coaxial Input and Optical Input inputs simultaneously)

**E.Optical Input:** Connect to the audio source equipment such as a PS4 or an Hi-Fi equipment with optical audio cable (Don't support connecting Coaxial Input and Optical Input inputs simultaneously)

## Receiver Panel



**A.DC12 V:** Connect to the 12V DC power supply into the unit and plug the adaptor to an AC wall outlet.

**B.RJ45 IN:** Connect the RJ45 output of the transmitter to the RJ45 input of the receiver (**Warning: CAT5E/6 cable must be a IEEE 568B standard connection method or the product will be damaged!**)

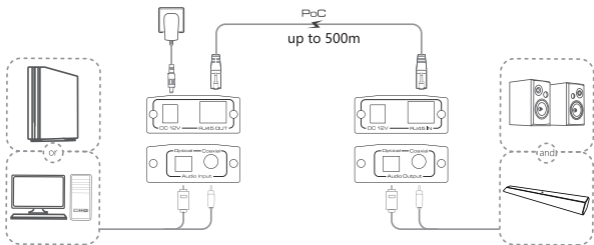
**C.Power LED:** The Power LED will illuminate in red when the unit is connected to the power supply.

**D.Coaxial Output:** Connect to audio equipment such as an amplifier or sound bar with a coax audio cable for audio output.

**E.Optical Output:** Connect to audio equipment such as an amplifier or sound bar with an optical audio cable for audio output.

Note: Both Coaxial Output and Optical Output can be connected and produce sound simultaneously.

## Wiring Diagram:



## Connecting and Operating:

1. Power off all devices including your audio source and audio output device.
2. Connect your audio source to the Transmitter's Coaxial or Toslink Input connector with a Coaxial or Toslink cable (cable not included). \*Note: Only one input connector can be used at any one time.
3. Connect a CAT5e/6 cable between the Transmitter's RJ45 Output and Receiver's RJ45 Input (cable not included).
4. Connect your audio output device (TV, AVR, speakers, etc.) to the Receiver's Coaxial and/or Toslink Output connector (cables not included). Note: Both Coaxial and Toslink Outputs can be connected and produce sound simultaneously.
5. Plug the included power adapter into the Transmitter's power jack, then plug the power adapter into a reliable power source. Power over Cable (PoC) technology allows the power adapter connected to the Transmitter to power the Receiver through CAT Cable.
6. Power on all connected devices. The audio extender is ready for use.

## Important Safety Notices:

Please read safety instructions carefully before installation and operation.

- Please pay close attention to all warnings and hints for this device
- Do not expose this unit to rain, heavy moisture, or liquid
- Do not repair the device or open the enclosure without professional guidance to avoid electric shocks. Doing so may void your warranty
- Keep the product in a well-ventilated location to avoid damage from overheating
- Shut off power and make sure the environment is safe before installation
- Do not plug the Coaxial, Toslink, and CATcables in/out when the device is in use to avoid cable damage. Make sure they are plugged into the correct ports
- Use the included power adapter only. Make sure the specification matches if using 3rd-party DC power adapters.

Before power on, please check the connection line carefully. And make sure that all interfaces are normally connected. The common troubles shooting way shows below:

Trouble Description	Causes and solutions
Non-Power-Connected	1.Check if the power adaptor head is truly and correctly inserted the power socket. 2、 Check the power switch if it is in on status.