

Audio Extender

RL-DAEX100



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450m RCA+Aux Audio Extender Analog Audio Extender Over Single Cat5e/6 Cable (POC) Model : RL-DAEX100

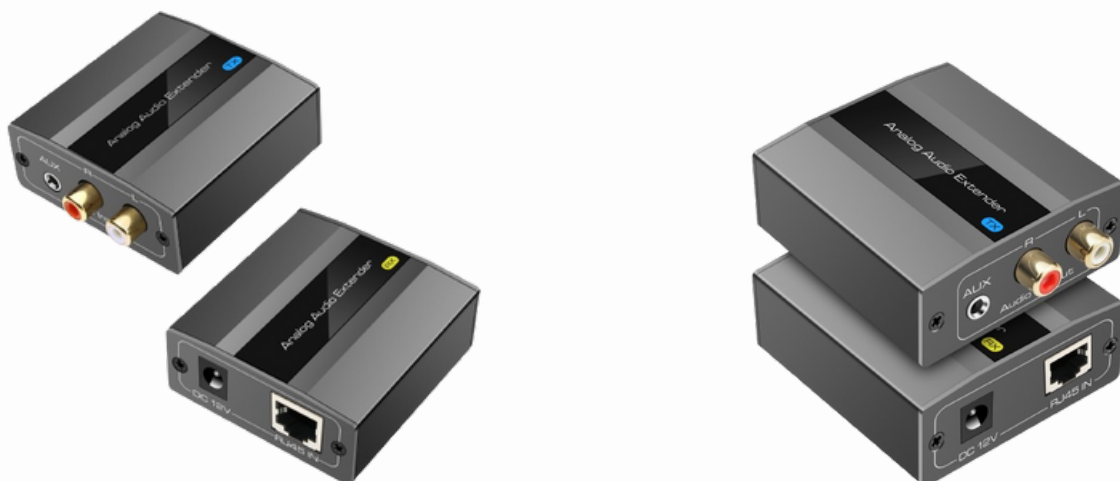
The 450m RCA + AUX Audio Extender (Model: RL-DAEX100) is a high-quality analog audio extender designed to transmit RCA or 3.5mm AUX audio signals over long distances using a single Cat5e or Cat6 cable. This device allows users to extend analog audio signals up to 450 meters without distortion or signal loss. It is suitable for connecting source devices such as TVs, AVRs, and speakers in professional or home audio setups where long cable runs are needed.

Function and Operation

This extender works by transmitting RCA or 3.5mm analog audio signals from a source device to an output device through an economical Cat5e/6 cable. The system supports both PCM and LPCM 2.0 audio formats with a sampling rate of up to 48KHz, ensuring clear and accurate sound quality. Users can easily select the input source from either RCA or 3.5mm jack, depending on their requirement.

Audio Performance and Compatibility

The RL-DAEX100 supports simultaneous audio outputs, meaning it can handle both RCA (L+R) analog-to-digital and digital-to-RCA analog conversions. This flexibility ensures compatibility with a wide range of audio equipment. Whether you are using it for a home entertainment system, professional audio distribution, or long-distance sound setup, this extender provides consistent performance and minimal interference.

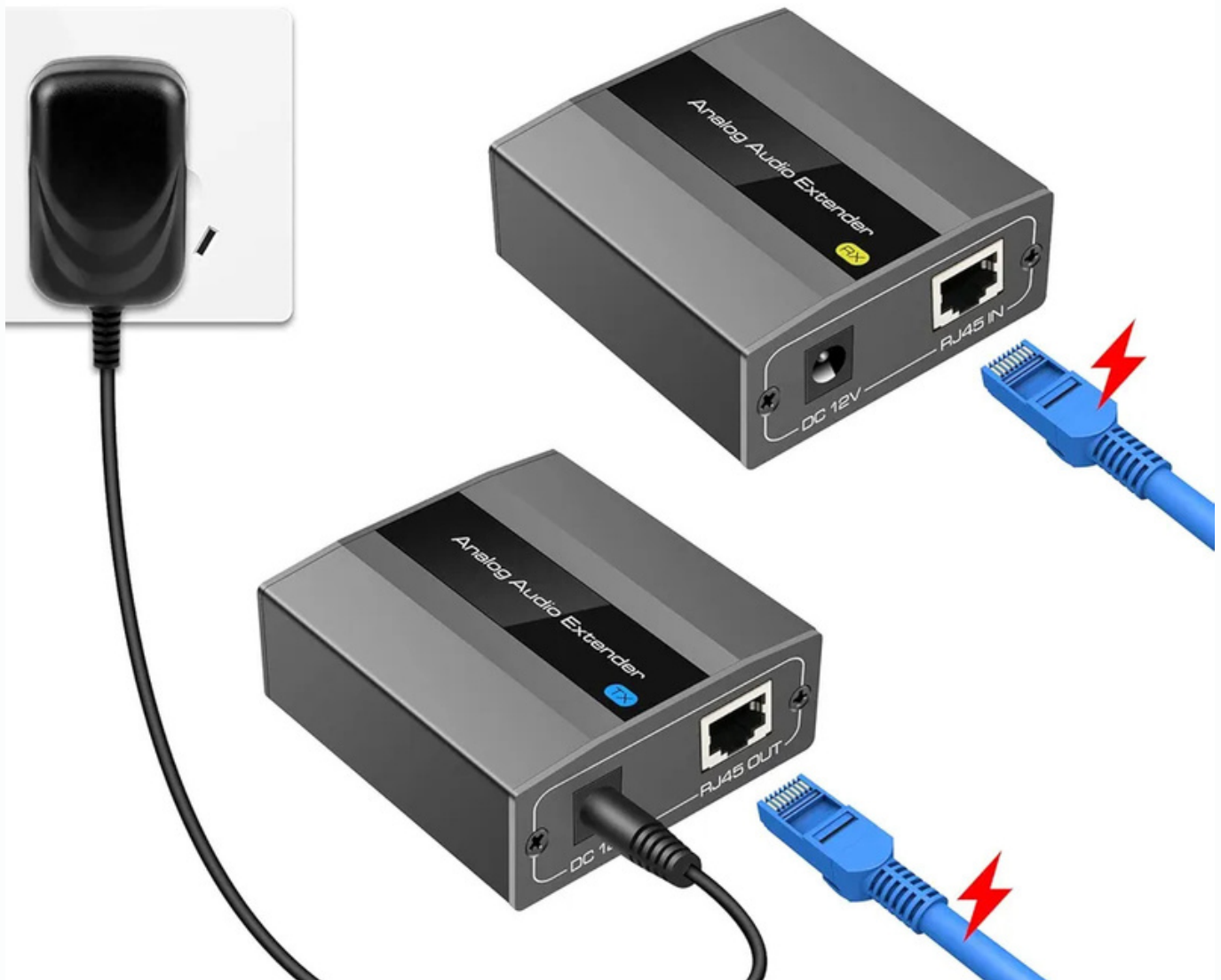


Power Over Cable (POC) Technology

One of the key advantages of this extender is its Power Over Cable (POC) feature. With POC, only one power adapter is required at the receiver end. The receiver then powers the transmitter unit through the same CAT cable. This makes installation simpler, reduces cable clutter, and provides a more efficient and cleaner setup.

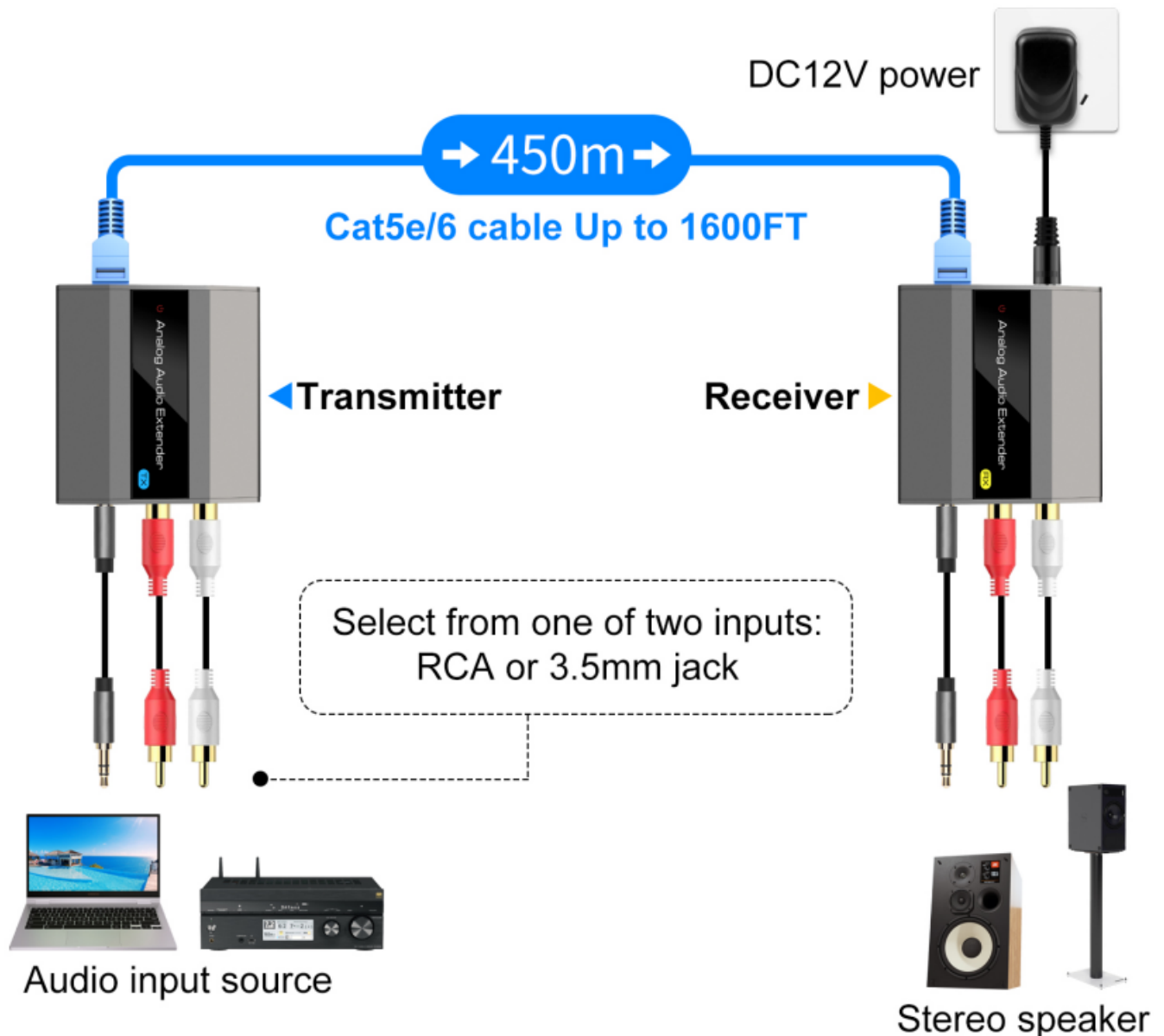
Power over Cable (POC)

Allows one power adapter, connected to the Receiver, to power the Transmitter over CAT cable.



RCA/AUX CAT5e/6 Extender

450m extends analog audio signals up to 450 meters using an economical CAT5e/6 cable.



Package Contents:

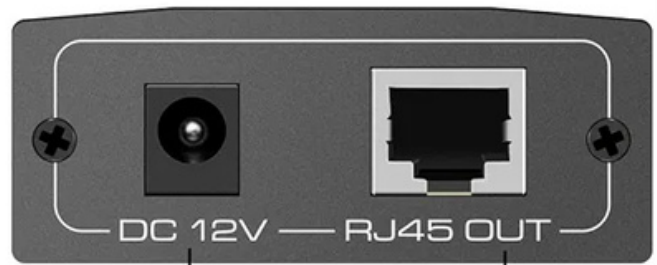
- 1.Main Unit: Transmitter & Receiver each 1pc
- 2.DC 12V 1A x1PC
- 3.User manual 1pc

Transmitter panel



3.5mm AUX&RCA L/R
Audio Input

Don't support connecting L/R input and AUX
input inputs simultaneously



DC12V power CAT5E/6 Cable
Output



Receiver Panel



3.5mm AUX&RCA L/R
Audio Output

Both L/R output and AUX Outputs can be
connected and produce sound simultaneously.



DC12V power CAT5E/6 Cable
Input

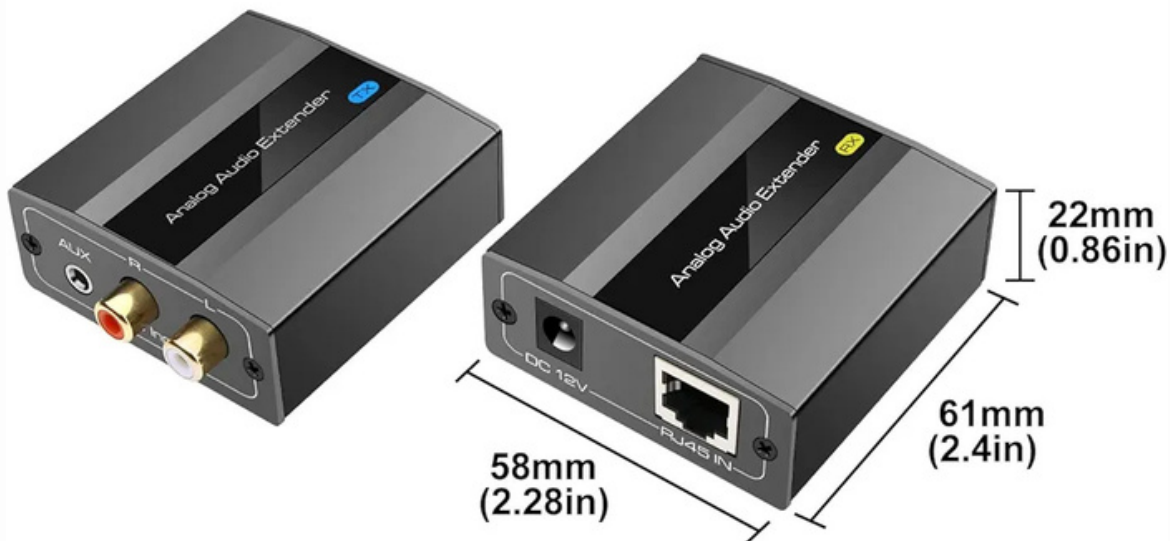
Features

1. Transmits RCA/3.5mm jack analog audio signals from source device to RCA/3.5mm jack analog audio output devices such as TVs, AVRs, and speakers up to 450 meters using economical CAT cable
2. Support PCM/LPCM 2.0, sampling rate up to 48KHz
3. Select from one of two inputs: RCA or 3.5mm jack
4. Simultaneous audio outputs: RCA (L+R) Analog-to-Digital and Digital-to-RCA (L+R) Analog audio supported
5. Power over Cable (POC) allows one power adapter, connected to the Receiver, to power the Transmitter over CAT cable

Specifications

1. Operating Temperature Range: 0~40°C (+32~+104°F)
2. Operating Humidity Range: 5~90%RH (Not Condensation)
3. Data transfer speed: 6.9Mbps
4. Sampling rate: 44.1KHz, 48KHz
5. Audio format: L/PCM2.0
6. Power consumption: 1.5watts (Maximum)
7. Storage Temperature: -20°C ~ 60°C / -4°F ~ 140°F
8. Dimension (L x W x H): 68*58*24(mm)

Package List



1 Sender & Receiver



2 DC 12V 1A



3 User manual

Notes:

The model and its technology stack may evolve; future updates can introduce changes to functionality and performance.