

VEDINDUST B09XDPSW65

VEDINDUST Analog Audio Extender User Manual

Model: B09XDPSW65

Brand: VEDINDUST

1. INTRODUCTION

The VEDINDUST Analog Audio Extender is designed to extend stereo RCA or 3.5mm audio signals over a single Cat5e/6/7 cable. This system allows for signal transmission up to 1475 feet (450 meters), supporting PCM stereo audio. It incorporates Power over Cable (POC) technology, which simplifies installation by requiring only one power supply for both the transmitter and receiver units.

This manual provides detailed instructions for the proper setup, operation, and maintenance of your audio extender to ensure optimal performance and longevity.

2. PRODUCT FEATURES

- **Extended Range:** Extends RCA or 3.5mm stereo audio signals up to 1475 feet (450 meters) using a single Cat5e/6/7 UTP cable. For optimal performance, use oxygen-free copper CAT6 cable wired as 568B.
- **Flexible Audio Output:** The receiver unit provides both RCA and 3.5mm stereo audio outputs simultaneously.
- **Single Audio Input:** The transmitter unit supports either RCA or 3.5mm stereo audio input, but not both concurrently.
- **Pure Transmission:** Utilizes differential digital signals via ADC technology to minimize interference and noise, ensuring clear audio transmission over long distances.
- **Power over Cable (POC):** Requires only one power adapter connected to either the transmitter or receiver unit to power the entire system.
- **Plug and Play:** No driver installation is required, offering simple operation without delays or lags.

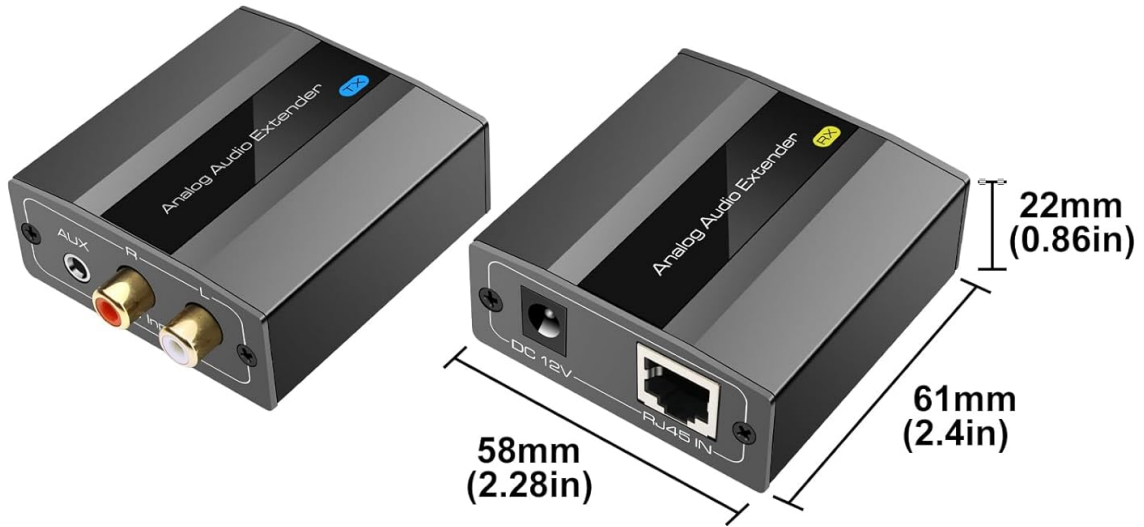
3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x Analog Audio Extender (Sender & Receiver units)
- 1 x DC 12V 1A Power Adapter

- 1 x User Manual

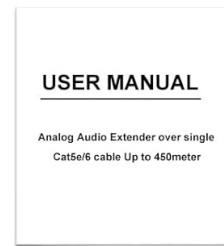
Package List



1 Sender & Receiver



2 DC 12V 1A



3 User manual

Image: Package contents including the extender units, power adapter, and user manual.

4. SETUP INSTRUCTIONS

4.1 Connection Overview

RCA/AUX CAT5e/6 Extender

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

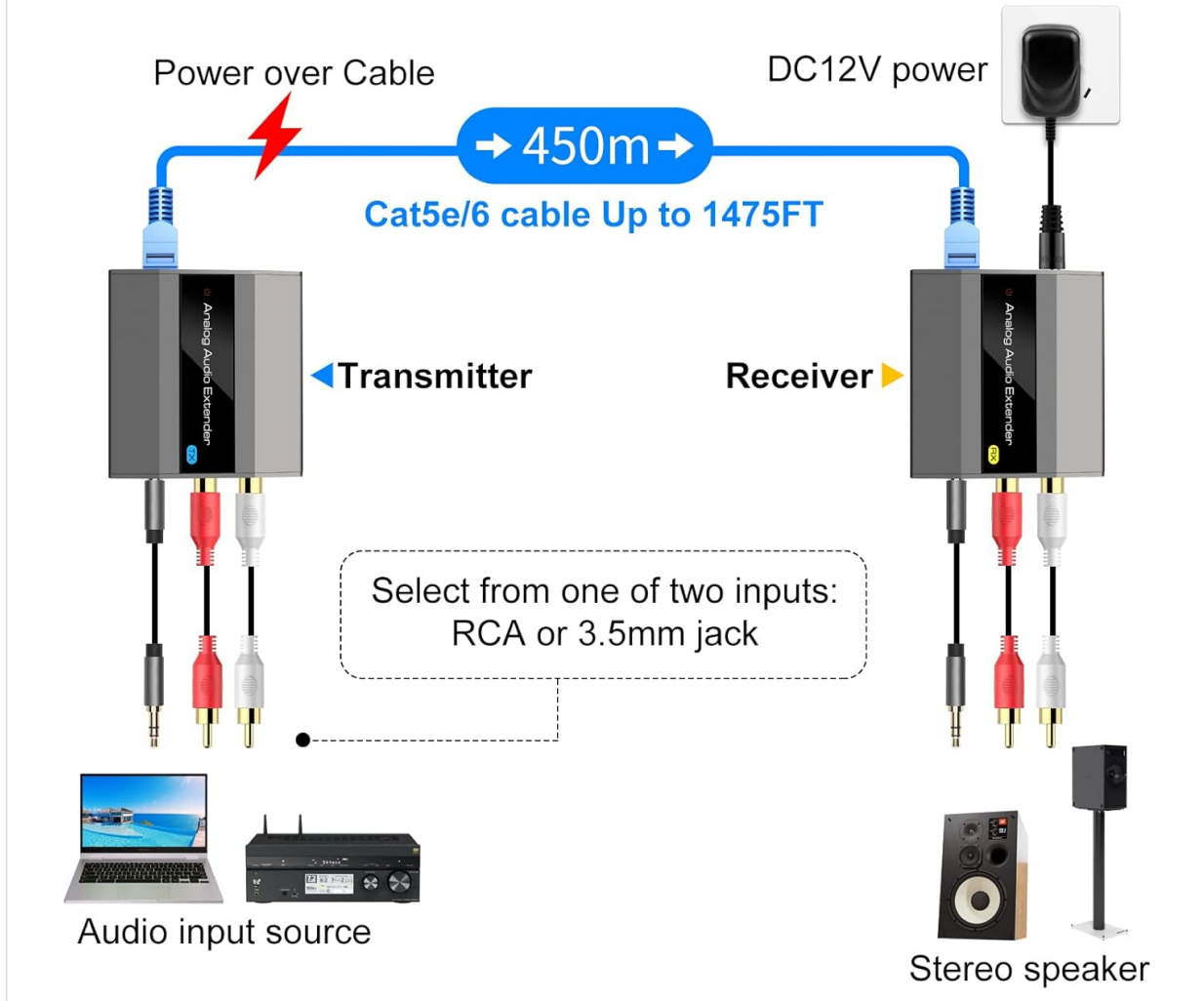


Image: Connection diagram illustrating the setup of the audio extender system.

This diagram illustrates the connection of the VEDINDUST Analog Audio Extender system. An audio input source (e.g., laptop, DVD player) connects to the Transmitter unit via RCA or 3.5mm jack. The Transmitter and Receiver units are linked by a Cat5e/6 cable. The Receiver unit connects to a stereo speaker system via RCA or 3.5mm outputs. Power is supplied to either the Transmitter or Receiver unit, which then powers the other unit via the Cat5e/6 cable (POC).

4.2 Transmitter and Receiver Panels

Power over Cable (POC)

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



Image: Detailed view of the Transmitter and Receiver unit ports.

The top image shows the Transmitter panel with AUX and RCA audio inputs, a DC 12V power input, and an RJ45 OUT port for the Cat5e/6 cable. The bottom image shows the Receiver panel with AUX and RCA audio outputs, a DC 12V power input, and an RJ45 IN port for the Cat5e/6 cable. Note that only one audio input (AUX or RCA) can be used on the transmitter at a time, while both AUX and RCA outputs can be used simultaneously on the receiver.

4.3 Power over Cable (POC)

Sampling rate up to 96KHz

Support PCM/LPCM 2.0



Image: Demonstration of the Power over Cable (POC) feature.

This image demonstrates the Power over Cable (POC) feature. A single DC 12V power adapter is connected to the Receiver unit. This power then travels through the Cat5e/6 cable to power the Transmitter unit, simplifying installation by requiring only one power source for the entire system.

4.4 Step-by-Step Connection

1. Connect your audio source (e.g., PC, DVD player) to the **Transmitter** unit's RCA L/R or 3.5mm AUX audio input. Ensure only one input type is connected at a time.
2. Connect a Cat5e/6/7 cable (up to 1475ft/450m) from the **Transmitter's** RJ45 OUT port to the **Receiver's** RJ45 IN port. For best performance, use oxygen-free copper CAT6 cable wired as 568B.
3. Connect your audio output device (e.g., stereo speakers, amplifier) to the **Receiver** unit's RCA L/R or 3.5mm AUX audio outputs. Both outputs can be used simultaneously.
4. Connect the included DC 12V 1A power adapter to either the **Transmitter** or **Receiver** unit. The system will power on via POC.

5. OPERATING INSTRUCTIONS

Once all connections are secure and power is supplied, the audio extender will automatically begin transmitting the audio signal. No additional configuration or driver installation is required.

- Ensure that the audio source is playing and the output device is powered on and set to the correct input.
- The receiver can output both L/R RCA and 3.5mm AUX audio signals simultaneously.
- The transmitter can only accept one input source at a time (either L/R RCA or 3.5mm AUX).

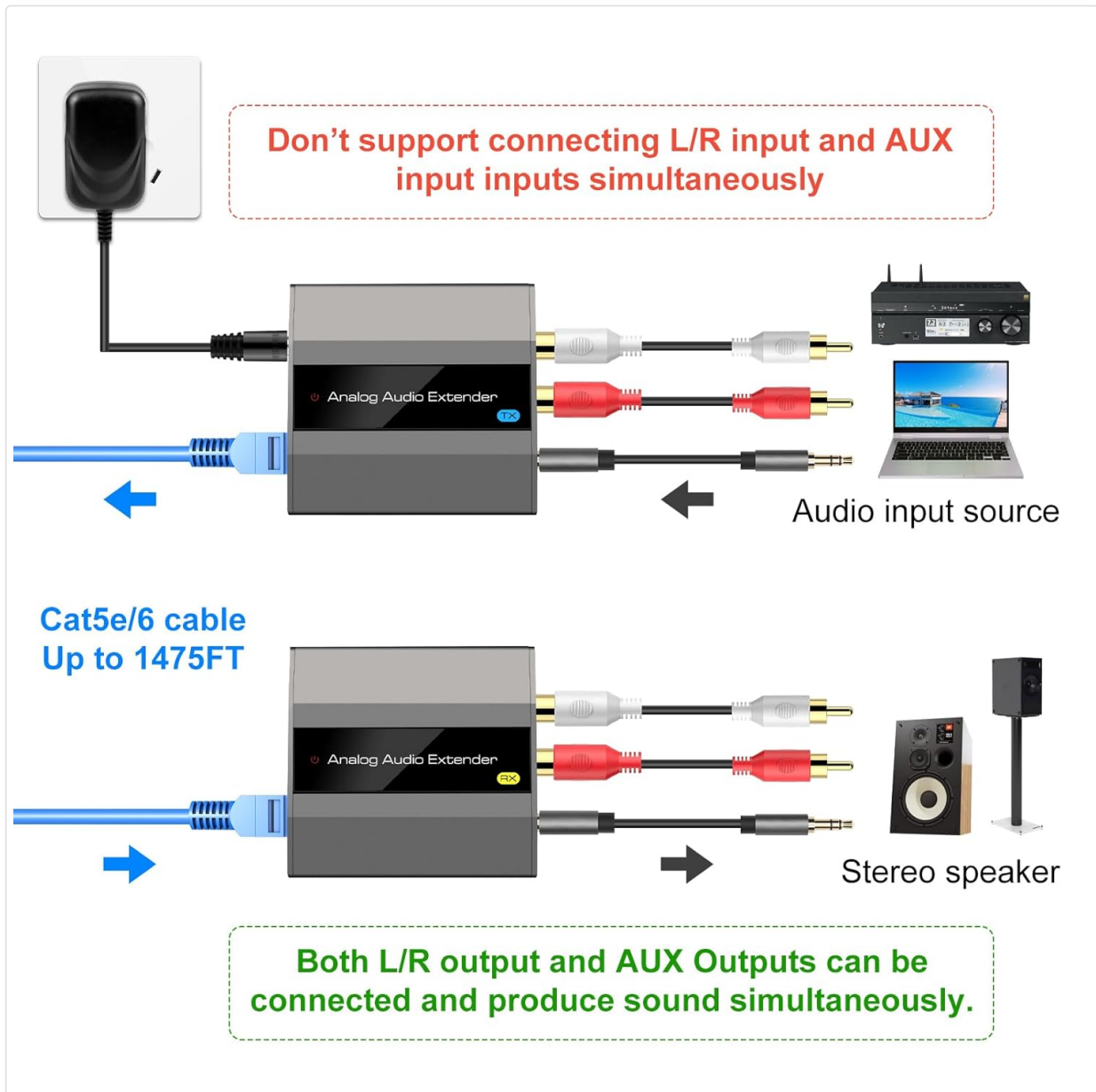


Image: Clarification on simultaneous input and output capabilities.

6. MAINTENANCE

- Keep the device in a dry, well-ventilated area, away from direct sunlight, high temperatures, and humidity.
- Clean the device with a soft, dry cloth. Do not use liquid or aerosol cleaners.
- Ensure all cable connections are secure to prevent signal loss or interference.

7. TROUBLESHOOTING

7.1 No Audio Output

- Verify all cables (audio, Cat5e/6/7, power) are securely connected.
- Ensure the power adapter is connected and the device is receiving power.
- Check if the audio source is playing and the output device (speakers/amplifier) is powered on and set to

the correct input.

- Confirm that only one audio input (RCA or 3.5mm) is connected to the transmitter.
- Test with a shorter Cat5e/6/7 cable if possible, or ensure the cable meets specifications (oxygen-free copper CAT6, 568B wiring).

7.2 Poor Audio Quality/Interference

- Ensure you are using a high-quality Cat5e/6/7 cable, preferably oxygen-free copper CAT6 wired as 568B.
- Check for potential electromagnetic interference from other electronic devices.
- Verify the cable length does not exceed the maximum recommended 1475ft (450m).

8. SPECIFICATIONS

- **Brand:** VEDINDUST
- **Model:** B09XDPSW65
- **Mounting Type:** Cable Mount
- **Interface Types:** RCA, 3.5mm AUX, RJ45
- **Number of Channels:** 2 (Stereo)
- **Extension Distance:** Up to 1475ft (450m) over Cat5e/6/7 cable
- **Supported Audio:** PCM Stereo (up to 96KHz sampling rate)
- **Power Supply:** DC 12V 1A (Power over Cable - POC supported)
- **UPC:** 798610310731

9. WARRANTY INFORMATION

Specific warranty details for this product may vary. Please refer to the product packaging, the official VEDINDUST website, or contact the retailer where the product was purchased for comprehensive warranty information and terms.

10. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or any questions regarding your VEDINDUST Analog Audio Extender, please contact VEDINDUST customer support directly. Contact information can typically be found on the product packaging or the official VEDINDUST website.