

VEDINDUST 20230907

VEDINDUST DVI Extender 60m User Manual

Model: 20230907

1. INTRODUCTION

The VEDINDUST DVI Extender 60m allows for the transmission of high-resolution DVI video signals over long distances using a single Cat5e/6/7 Ethernet cable. This system consists of a transmitter (TX) unit and a receiver (RX) unit, designed to extend DVI signals up to 60 meters (196 feet) with resolutions up to 1920x1200 at 60Hz, while supporting HDCP and EDID control.

Key Features:

- Extends DVI signals up to 60 meters (196 feet) over Cat5e/6/7 cable.
- Supports resolutions up to 1920x1200 @ 60Hz.
- Zero video latency for real-time transmission.
- Integrated EDID copy function for optimal display compatibility.
- HDCP compliant.
- Built-in automatic adjustment system and ESD protection.
- Plug and Play operation, no software or drivers required.

60M DVI 1080P Extender

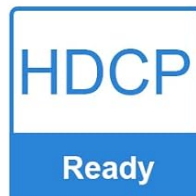
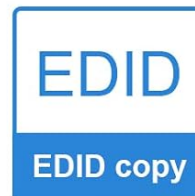


Image 1.1: VEDINDUST DVI Extender 60m setup in a typical conference room environment, demonstrating its application for extending DVI signals to a large display.

2. PACKAGE CONTENTS

Please check the package contents upon opening to ensure all items are present and undamaged:

- DVI Extender Transmitter (TX) Unit x 1
- DVI Extender Receiver (RX) Unit x 1
- DC 5V 1A Power Adapter x 2
- Fixed Hanger x 4 (for mounting)
- User Manual x 1

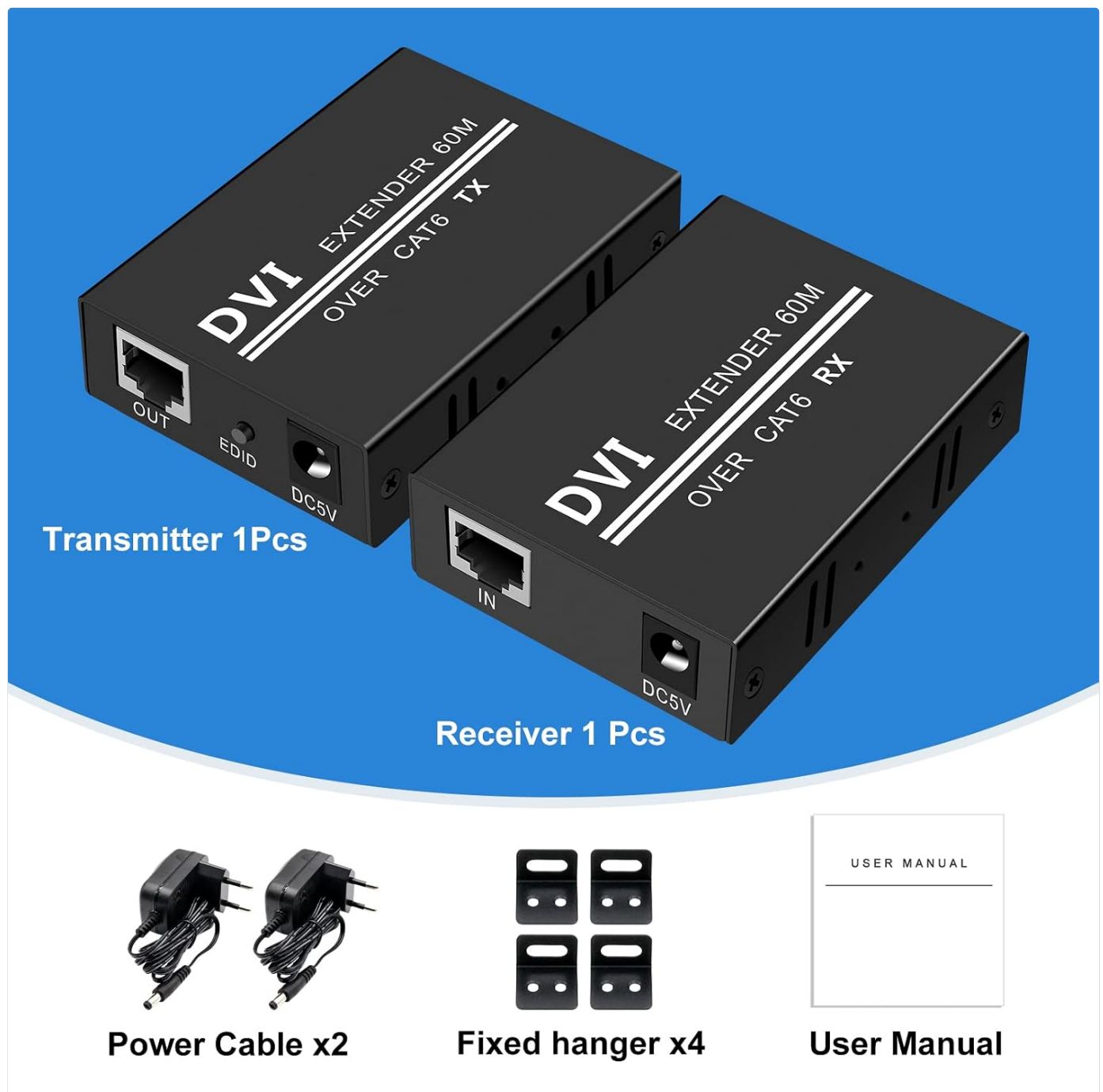


Image 2.1: The complete package contents, including the transmitter, receiver, two power adapters, mounting brackets, and the user manual.

3. PRODUCT OVERVIEW

The VEDINDUST DVI Extender system comprises two main units: a Transmitter (TX) and a Receiver (RX). Each unit features specific ports and indicators for easy identification and connection.

3.1. Transmitter (TX) Unit

- **DVI IN:** Connects to the DVI source device (e.g., computer, Blu-ray player).
- **OUT (RJ45):** Connects to the Receiver unit via a Cat5e/6/7 Ethernet cable.
- **EDID Button:** Used for EDID copy function.
- **DC5V:** Power input port for the 5V DC power adapter.
- **SIG LED:** Signal indicator.

- **PW LED:** Power indicator.

3.2. Receiver (RX) Unit

- **DVI OUT:** Connects to the DVI display device (e.g., monitor, projector, TV).
- **IN (RJ45):** Connects to the Transmitter unit via a Cat5e/6/7 Ethernet cable.
- **DC5V:** Power input port for the 5V DC power adapter.
- **SIG LED:** Signal indicator.
- **PW LED:** Power indicator.

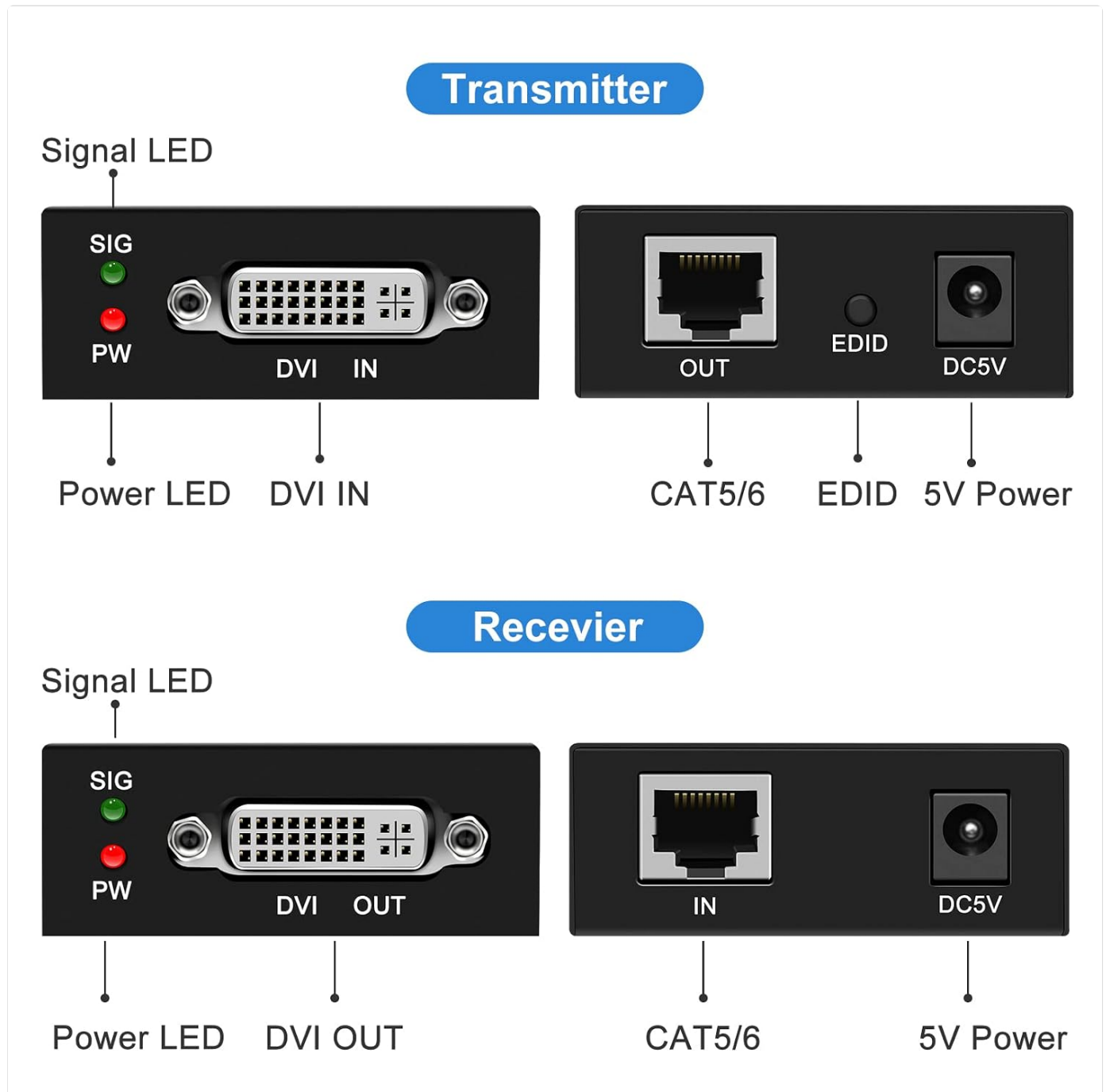


Image 3.1: Detailed view of the Transmitter and Receiver units, highlighting their respective ports and LED indicators.

3.3. Dimensions

Each unit (Transmitter and Receiver) has compact dimensions for easy integration into various setups.

Support EDID handing abilities

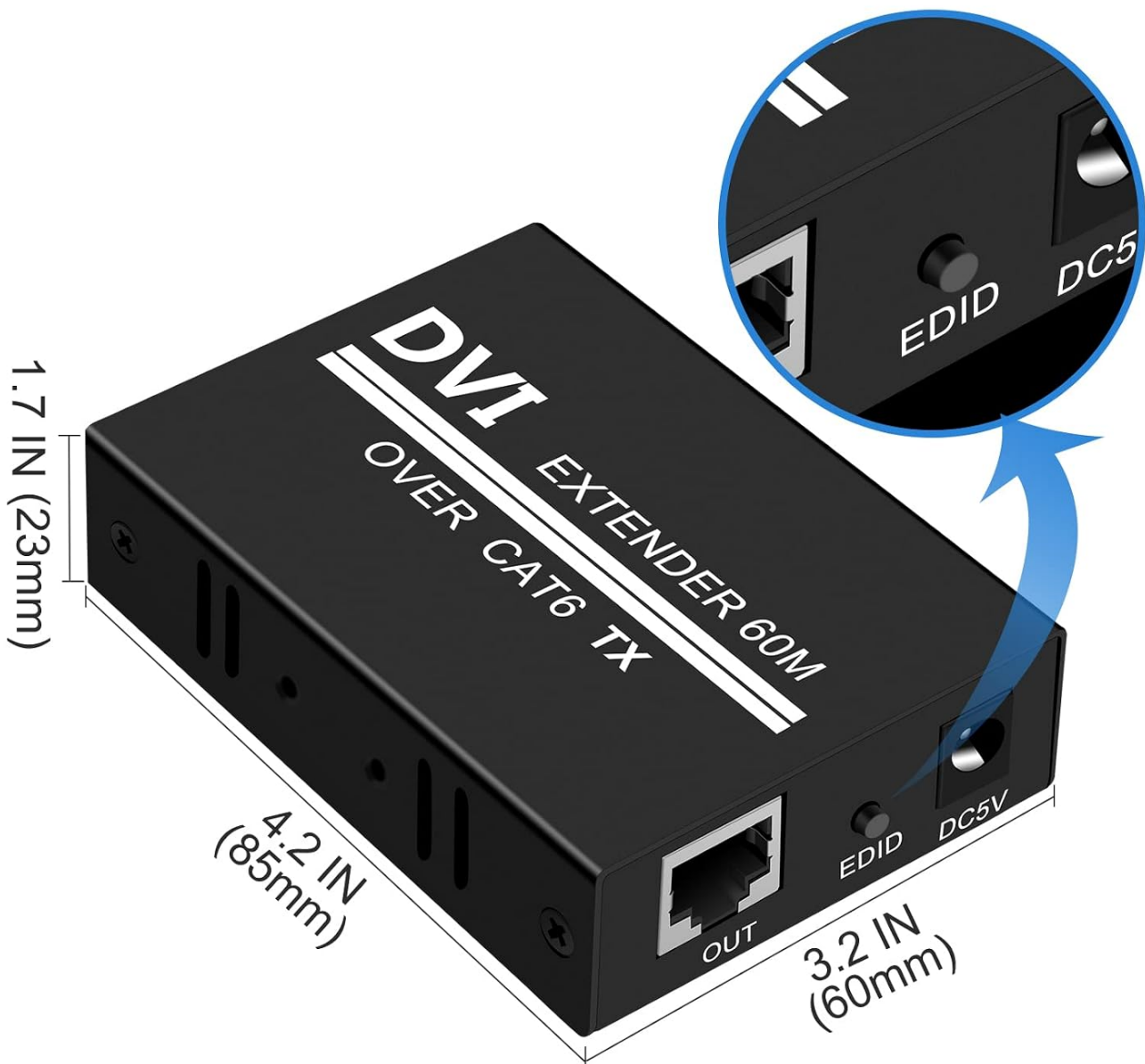


Image 3.2: Physical dimensions of a single DVI Extender unit, showing its length, width, and height.

Approximate dimensions: 4.2 inches (10.7 cm) length, 3.2 inches (8.1 cm) width, 1.7 inches (4.3 cm) height.

4. SETUP INSTRUCTIONS

Follow these steps to properly set up your VEDINDUST DVI Extender:

1. **Connect the DVI Source:** Connect your DVI source device (e.g., computer, laptop) to the **DVI IN** port of the Transmitter (TX) unit using a DVI cable (not included).
2. **Connect the DVI Display:** Connect your DVI display device (e.g., monitor, projector, TV) to the **DVI OUT** port of the Receiver (RX) unit using a DVI cable (not included).
3. **Connect TX and RX Units:** Use a single Cat5e, Cat6, or Cat7 Ethernet cable to connect the **OUT (RJ45)** port of the Transmitter unit to the **IN (RJ45)** port of the Receiver unit.

◦ *Note:* For optimal performance and distances over 45 meters (150 feet), a high-quality oxygen-free copper Cat6 cable is

recommended.

- *Note:* The maximum transmission distance is 60 meters (196 feet) for 1080p resolution and 50 meters (165 feet) for 1920x1200 @ 60Hz.

4. **Connect Power Adapters:** Connect the two provided DC 5V 1A power adapters to the **DC5V** ports on both the Transmitter (TX) and Receiver (RX) units, then plug them into power outlets. The PW LED on both units should illuminate.
5. **Verify Connection:** Once all connections are made and power is supplied, the SIG LED on both units should illuminate, indicating a successful DVI signal transmission.

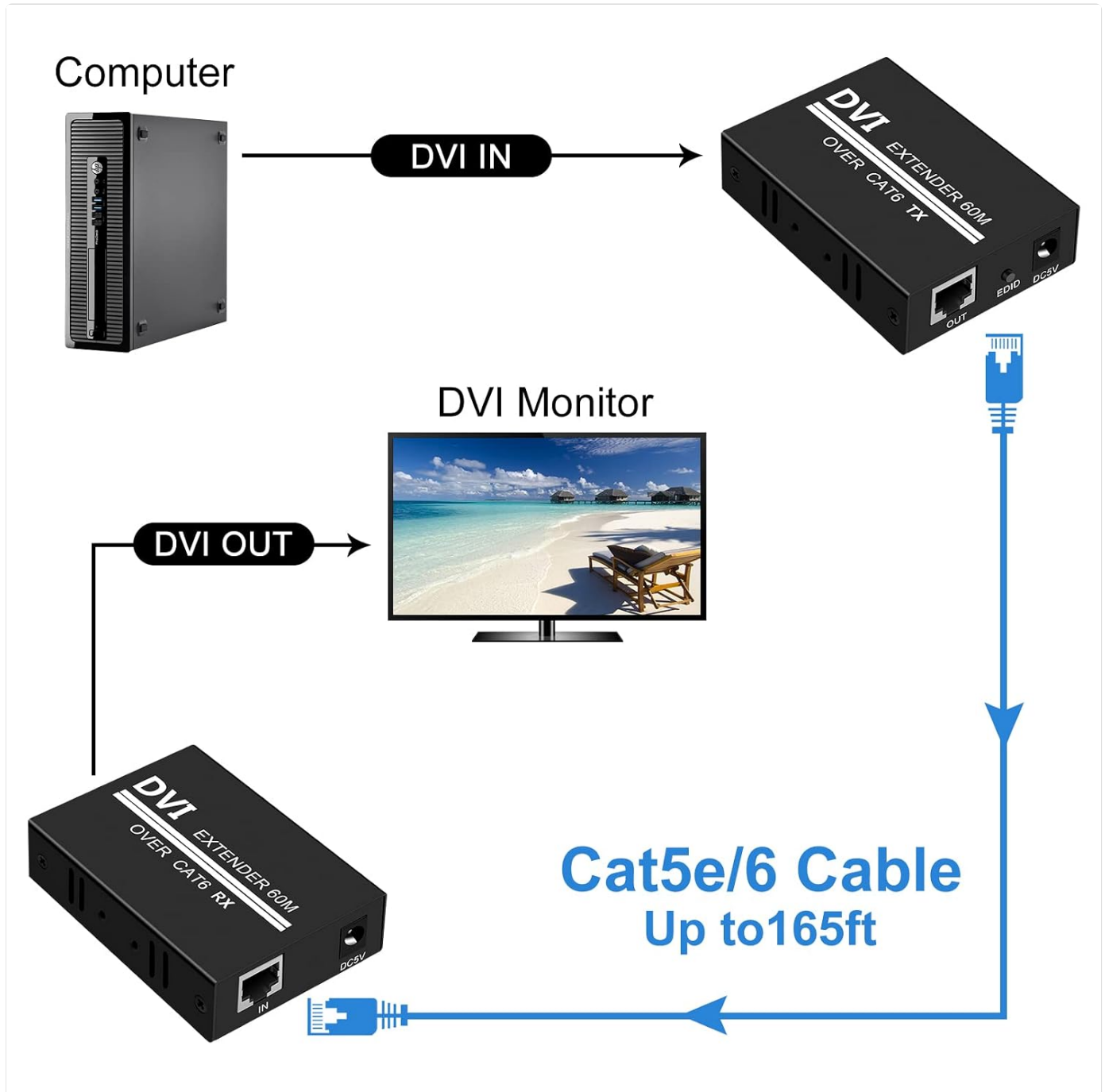


Image 4.1: Step-by-step connection diagram illustrating how to connect the DVI source, transmitter, Cat5e/6 cable, receiver, and DVI monitor.

4.1. EDID Copy Function

The EDID (Extended Display Identification Data) copy function ensures optimal compatibility between your DVI source and display by allowing the extender to learn and transmit the display's preferred settings. This can resolve display issues or ensure the best possible resolution.

1. Ensure the Transmitter (TX) unit is connected to the DVI source and the Receiver (RX) unit is connected to the DVI display,

and both units are powered on.

2. On the Transmitter (TX) unit, press and hold the **EDID** button for approximately 3 seconds.
3. The indicator light will flash 3 times, confirming the EDID data has been successfully copied from the connected display.
4. The EDID setting will be permanently stored until a new EDID copy operation is performed or the unit is reset to factory settings.

To reset EDID to factory settings: With the Transmitter (TX) unit powered on, press and hold the **EDID** button for more than 3 seconds. The indicator light will turn on and then off, signifying that the factory default EDID settings have been restored.

5. OPERATING INSTRUCTIONS

Once the setup is complete, the VEDINDUST DVI Extender operates automatically. Ensure all devices are powered on in the correct sequence (source, then extender units, then display) for proper signal detection.

- **Power On:** Ensure both the Transmitter and Receiver units are powered by their respective DC 5V adapters. The PW LED should be lit.
- **Signal Detection:** When a DVI source is connected and active, the SIG LED on both units should illuminate, indicating a stable DVI signal transmission.
- **Display Output:** The DVI signal from the source should now be displayed on the connected monitor or projector.

6. TROUBLESHOOTING

If you encounter issues while using the DVI Extender, please refer to the following common problems and solutions:

1. No Picture on Display:

- Check if both the Transmitter and Receiver units are powered on (PW LEDs should be lit).
- Ensure all DVI cables are securely connected between the source, TX unit, RX unit, and display.
- Verify the Cat5e/6/7 Ethernet cable is properly connected between the TX and RX units.
- Try a different DVI cable or Cat5e/6/7 cable.
- Perform the EDID copy function (refer to Section 4.1) to ensure compatibility.
- Test the DVI source and display directly without the extender to confirm they are working correctly.

2. Flickering or Unstable Picture:

- Ensure you are using a high-quality Cat6 or Cat7 oxygen-free copper cable, especially for longer distances.
- Check for any kinks or damage in the Ethernet cable.
- Reduce the cable length if possible, or try a shorter, higher-quality cable.
- Verify that the resolution and refresh rate of your source device are supported by the extender and display (up to 1920x1200 @ 60Hz).

3. No Signal (SIG LED not lit):

- Confirm the DVI source is active and outputting a signal.
- Check the DVI cable connection from the source to the TX unit.
- Ensure the Ethernet cable connection between TX and RX is secure.
- If the issue persists, try restarting all connected devices (source, extender units, display).

7. SPECIFICATIONS

Model Number	20230907
DVI Connector Type	DVI-D (24+1) and DVI-I (24+5) compatible
Supported Resolutions	Up to 1920x1200 @ 60Hz (WUXGA), 1080p @ 60Hz
Max Transmission Bandwidth	1.65 Gbps
Transmission Distance	Up to 60m (196ft) for 1080p over Cat5e/6/7 Up to 50m (165ft) for 1920x1200 @ 60Hz over Cat6
Ethernet Cable Requirement	Cat5e/6/7 (Oxygen-free copper Cat6 recommended for longer distances)
Input/Output DVI Cable Length	Up to 5m (16ft) AWG26 standard DVI cable
HDCP Support	Yes
EDID Control	Yes (EDID copy function)
Power Supply	DC 5V 1A (x2 adapters included)
Power Adapter Input	AC (50HZ, 60HZ) 100V-240V
Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)
Humidity	20% to 90% RH (non-condensing)
Dimensions (each unit)	Approx. 10.7 x 8.1 x 4.3 cm (4.2 x 3.2 x 1.7 inches)
Weight (each unit)	Approx. 240g (0.53 lbs)
Compatible Devices	PC, Game Console, Blu-ray Player, Media Player, Monitor, Projector, Television

Support DVI D and DVI Interface

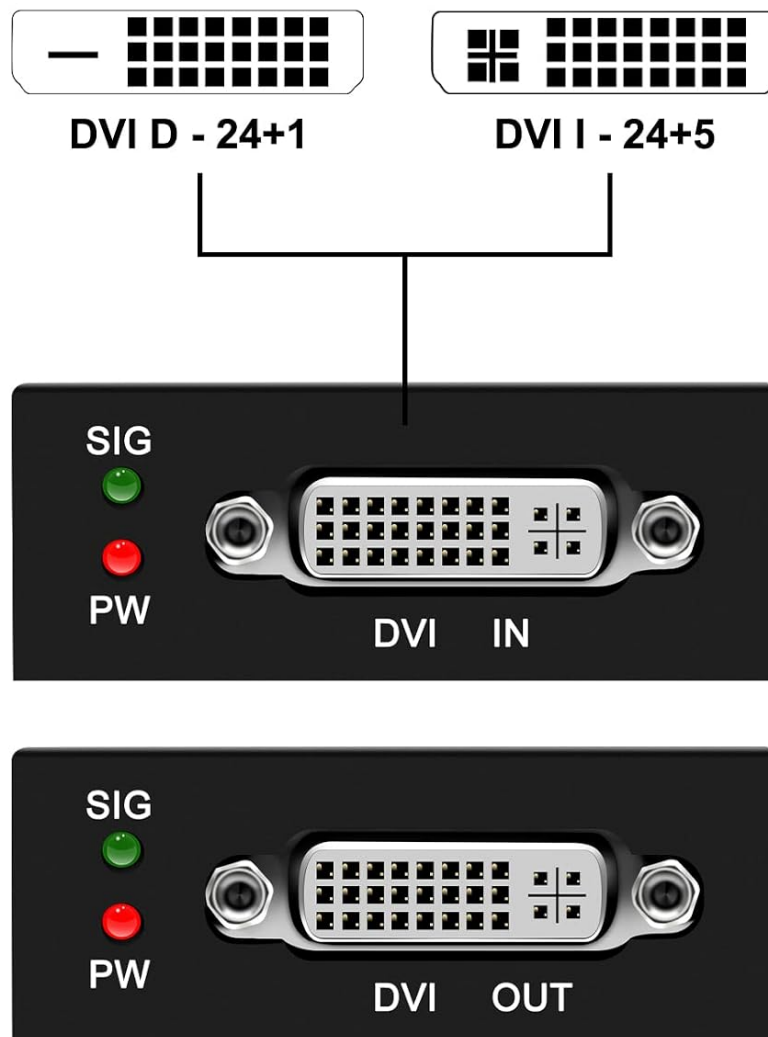


Image 7.1: Illustration of DVI-D (24+1) and DVI-I (24+5) connector types, showing compatibility with the DVI Extender.

8. SAFETY INFORMATION

- Do not expose this device to water, moisture, or excessive humidity.
- Do not attempt to open, modify, or repair the device. Refer all servicing to qualified personnel.
- Use only the provided power adapters. Using unauthorized power adapters may damage the device and void the warranty.
- Ensure proper ventilation around the units to prevent overheating.
- Keep the device away from heat sources, direct sunlight, and strong magnetic fields.
- This device is intended for indoor use only.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact VEDINDUST customer service through the retailer where the product was purchased or visit the official VEDINDUST website. Please have your model number (20230907) and purchase details ready when contacting support.

Manufacturer: VEDINDUST

ASIN: B0CC1JPP8T

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question