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VPFET MAX-1317

VPFET HDMI Extender Over Single Cat6 Ethernet

Model: MAX-1317

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your VPFET HDMI Extender. This device is designed to extend high-definition video and audio signals over a single Cat5e/6/7 Ethernet cable, supporting resolutions up to 1080p and distances up to 200 feet (60 meters). It is suitable for various applications including home entertainment, conference rooms, and digital signage.

Safety Information

- Ensure all cables are connected securely before powering on the device.
- Use only the provided 5V power adapter with the Transmitter (TX) unit.
- Do not expose the device to moisture, extreme temperatures, or direct sunlight.
- Avoid disassembling the units; refer servicing to qualified personnel.
- Keep the device away from strong electromagnetic interference.

Package Contents

- 1x HDMI Extender Transmitter (TX) Unit
- 1x HDMI Extender Receiver (RX) Unit
- 1x 5V DC Power Adapter
- 1x User Manual

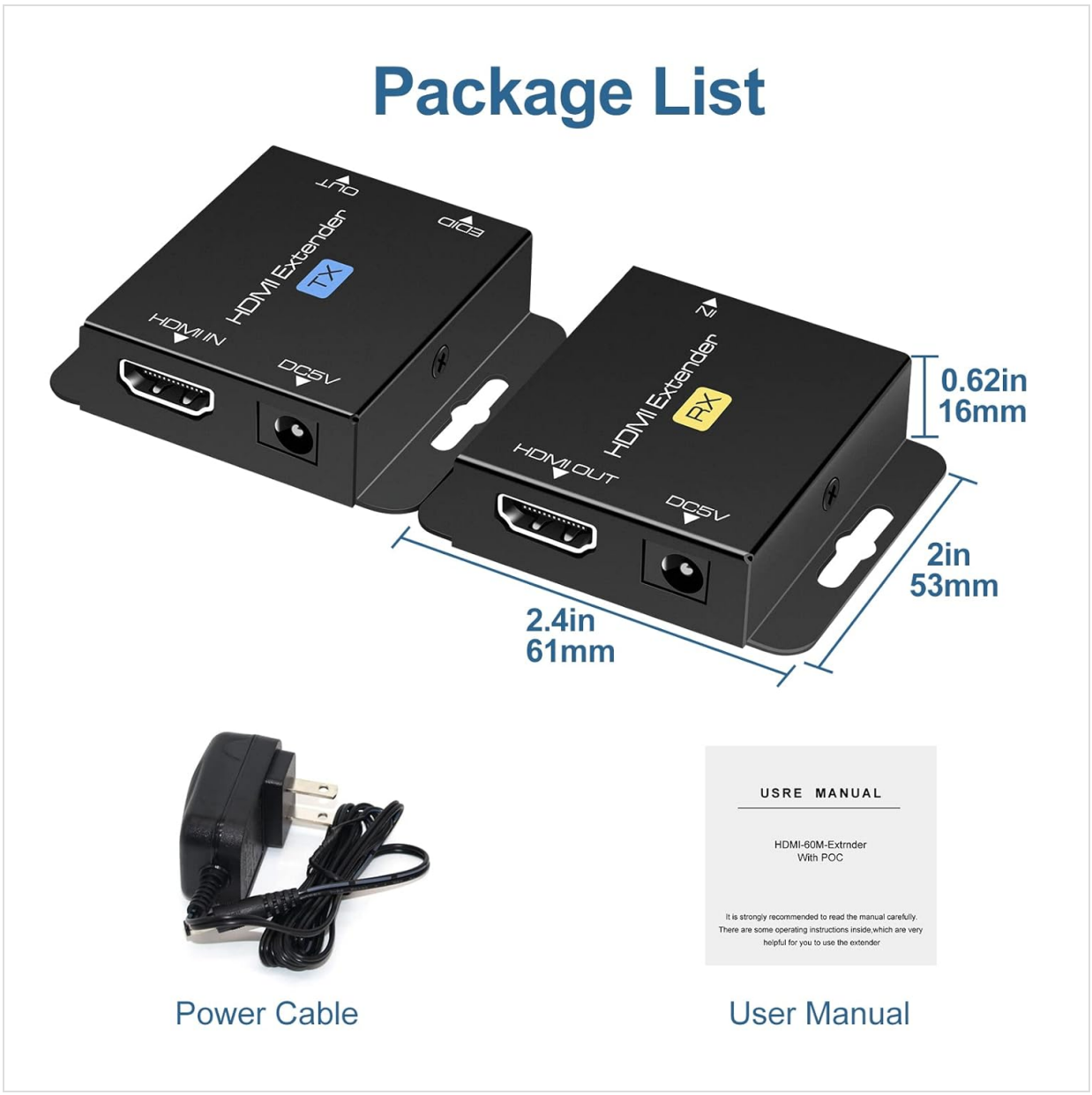

Image: The package contents include the TX and RX units, a 5V power adapter, and a user manual.

Product Overview

The VPFET HDMI Extender consists of a Transmitter (TX) unit and a Receiver (RX) unit. Both units are compact and designed for easy integration into your setup.

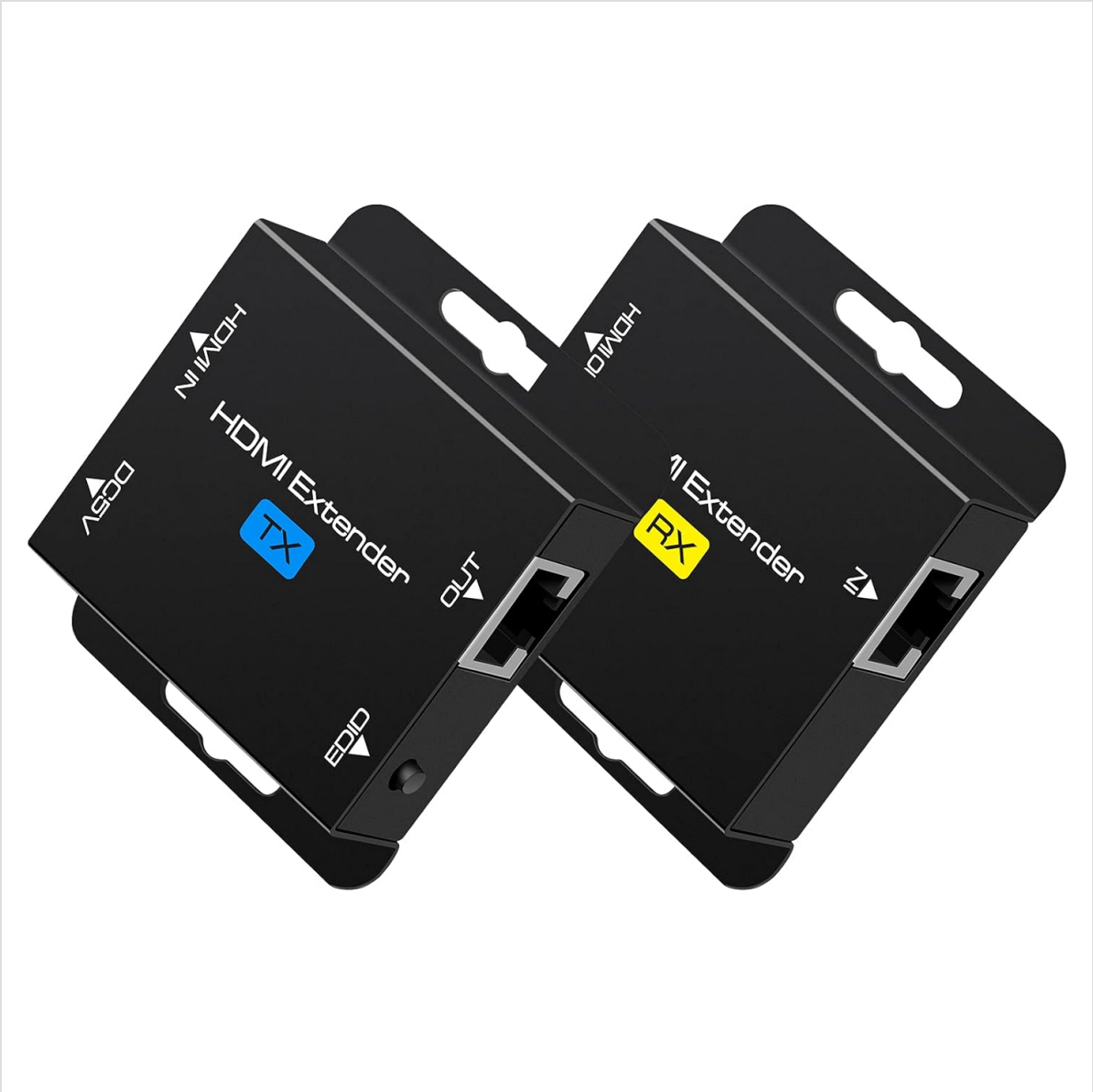

Image: Two black HDMI extender units, labeled TX (Transmitter) and RX (Receiver), showing their compact design.

Transmitter (TX) Unit

- **HDMI IN:** Connects to the HDMI source device (e.g., PC, DVD player).
- **OUT (RJ45):** Connects to the Receiver (RX) unit via Cat5e/6/7 cable.
- **DC5V:** Power input for the TX unit.
- **EDID Button:** Used to copy EDID information from the display.

Receiver (RX) Unit

- **IN (RJ45):** Connects to the Transmitter (TX) unit via Cat5e/6/7 cable.
- **HDMI OUT:** Connects to the HDMI display device (e.g., TV, projector).
- **DC5V:** Power input (not required for normal operation due to POC).

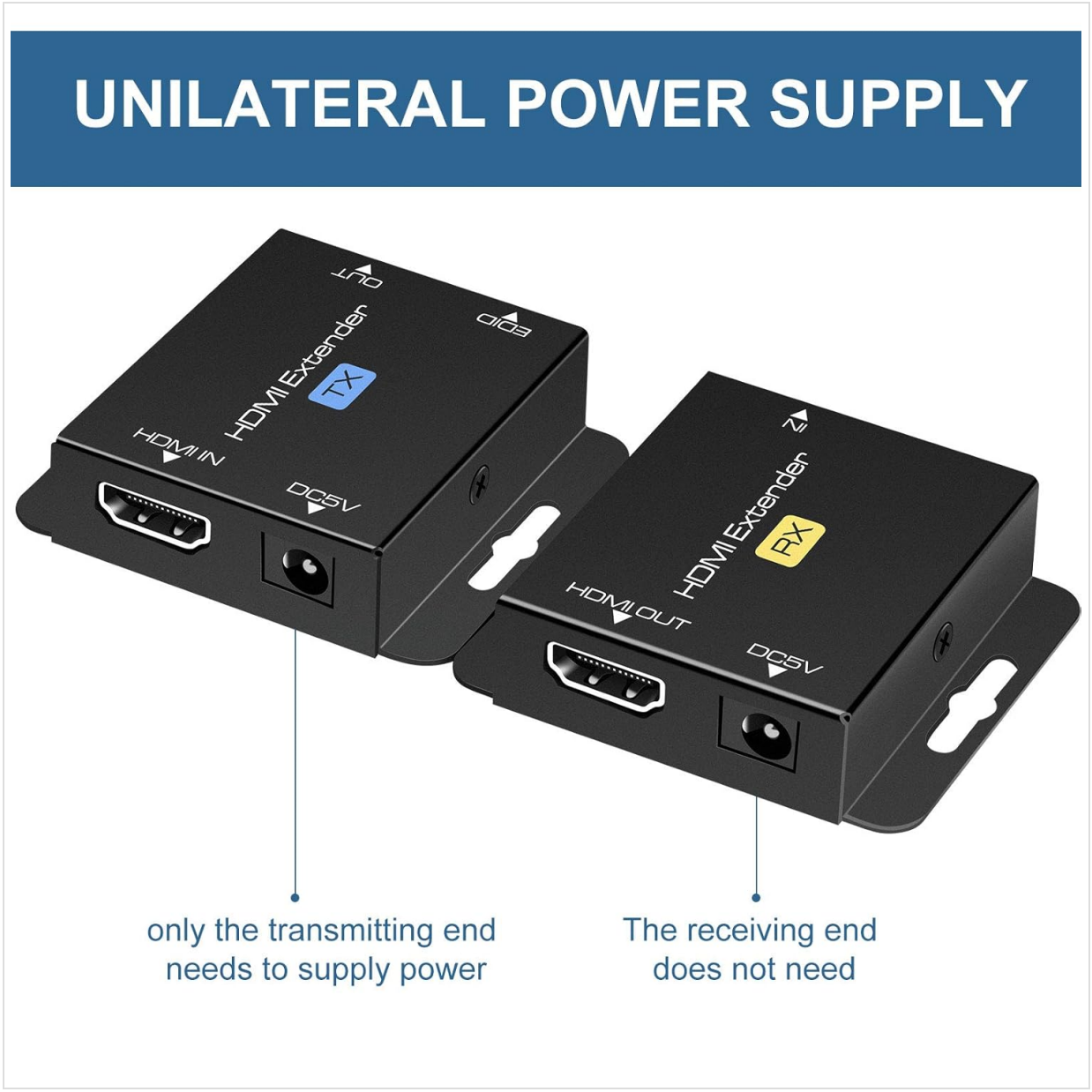

Image: Detailed view of the TX unit, showing the EDID button for copying display EDID information and integrated ear hooks for easy mounting and fixation.

Setup Instructions

Follow these steps to set up your HDMI extender:

1. Connect your HDMI source device (e.g., laptop, PC, DVD player) to the **HDMI IN** port of the Transmitter (TX) unit using an HDMI cable.
2. Connect the 5V DC power adapter to the **DC5V** port on the TX unit. The TX unit requires external power.
3. Connect one end of a Cat5e/6/7 Ethernet cable to the **OUT (RJ45)** port on the TX unit.
4. Connect the other end of the Cat5e/6/7 Ethernet cable to the **IN (RJ45)** port on the Receiver (RX) unit.
5. Connect your HDMI display device (e.g., TV, projector) to the **HDMI OUT** port of the RX unit using an HDMI cable.
6. The RX unit does not require a separate power adapter as it receives power from the TX unit via the Cat6 cable (Power over Cable - POC).
7. Ensure all connections are secure. The indicator lights on both units should illuminate, indicating a successful connection.

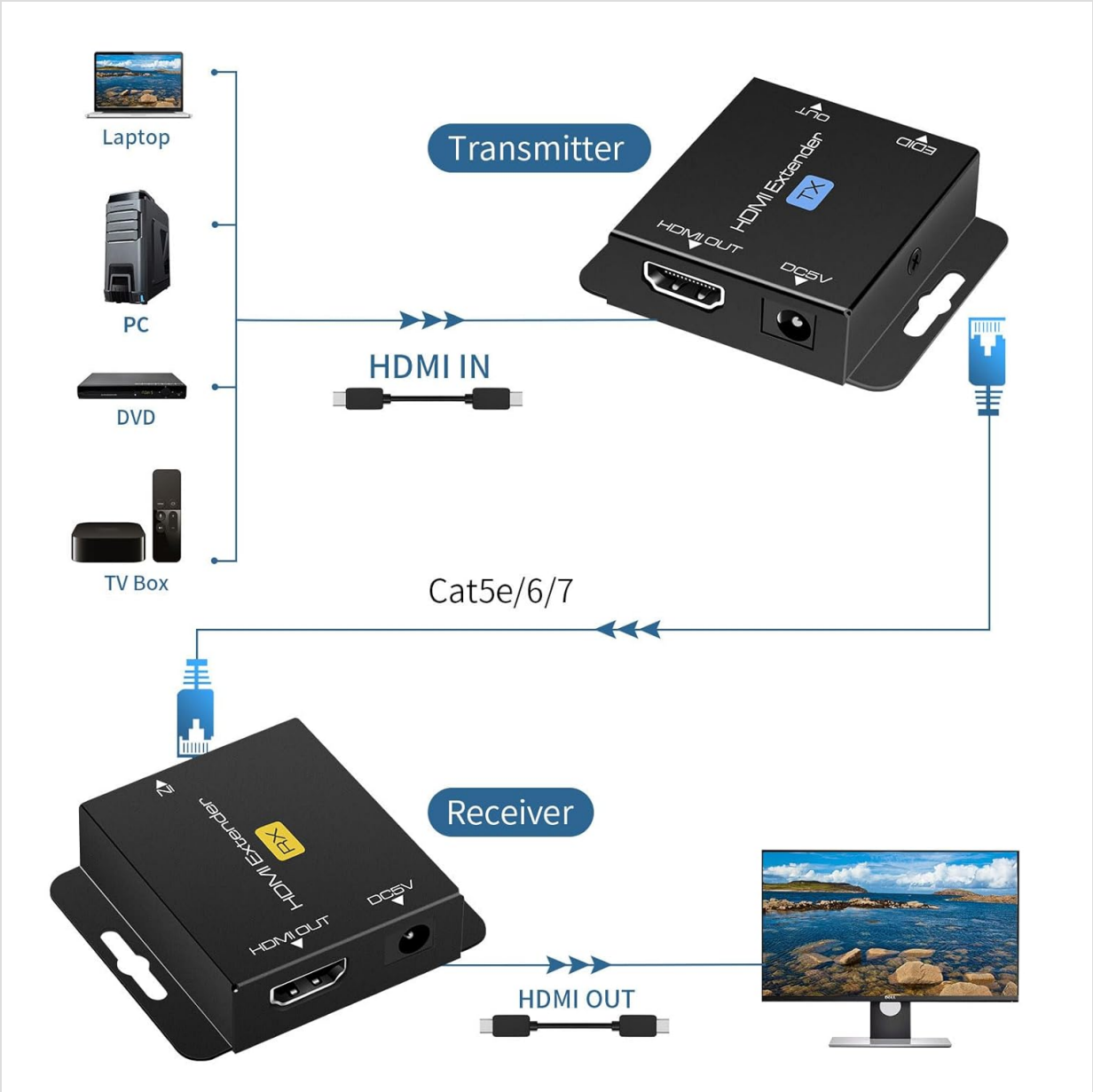

Image: Diagram illustrating how to connect the HDMI extender: a source device (laptop, PC, DVD, TV Box) connects to the TX unit via HDMI, the TX unit connects to the RX unit via a Cat5e/6/7 cable, and the RX unit connects to a display via HDMI.

[redacted]

Video: This video demonstrates the step-by-step connection process for the VPFET HDMI Extender, showing how to connect source devices to the transmitter, the Cat6 cable between units, and the receiver to a display, illustrating the Power over Cable (POC) feature.

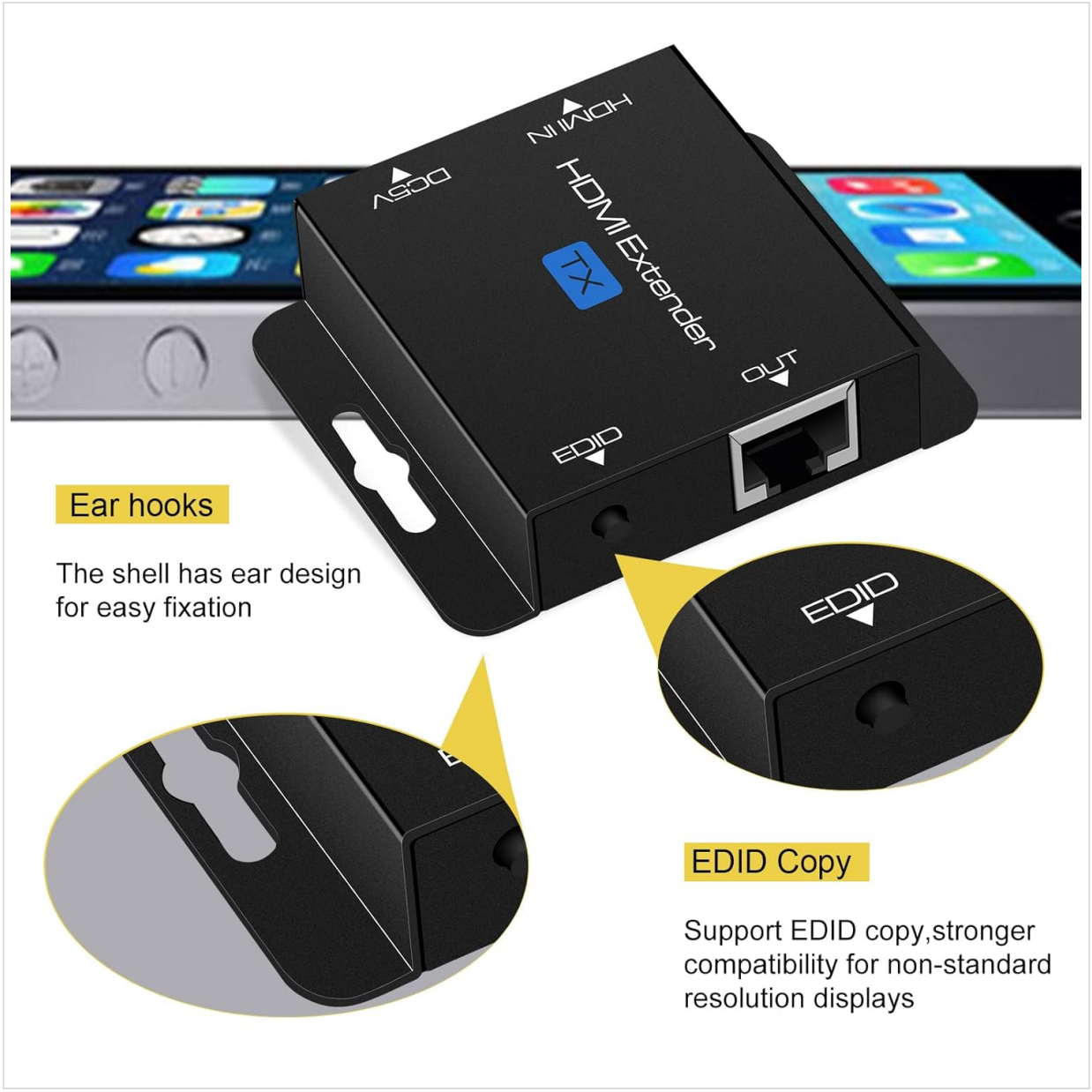

Image: Close-up of the TX and RX units, indicating that only the Transmitter (TX) unit requires external 5V power, while the Receiver (RX) unit is powered via the Cat6 cable (Power over Cable - POC).

Operating Instructions

Once the setup is complete, the HDMI extender operates automatically. The video and audio signals from your source device will be transmitted to your display.

- **EDID Management:** The TX unit supports EDID management. If you encounter display compatibility issues, press the EDID button on the TX unit to copy the EDID content from the connected display. This enhances compatibility with various resolutions and display types.
- **Optimal Performance:** For best results and to achieve the maximum transmission distance of 200 feet, it is recommended to use high-quality oxygen-free copper Cat6 or Cat7 Ethernet cables.
- **Supported Formats:** The extender supports video formats including 1080p, 1080i, 720p, 576i, 480p, and audio formats such as DTS-HD, DTS, and DSD.

Video: This video demonstrates the step-by-step connection process for the VPFET HDMI Extender, showing how to connect source devices to the transmitter, the Cat6 cable between units, and the receiver to a display, illustrating the Power over Cable (POC) feature.

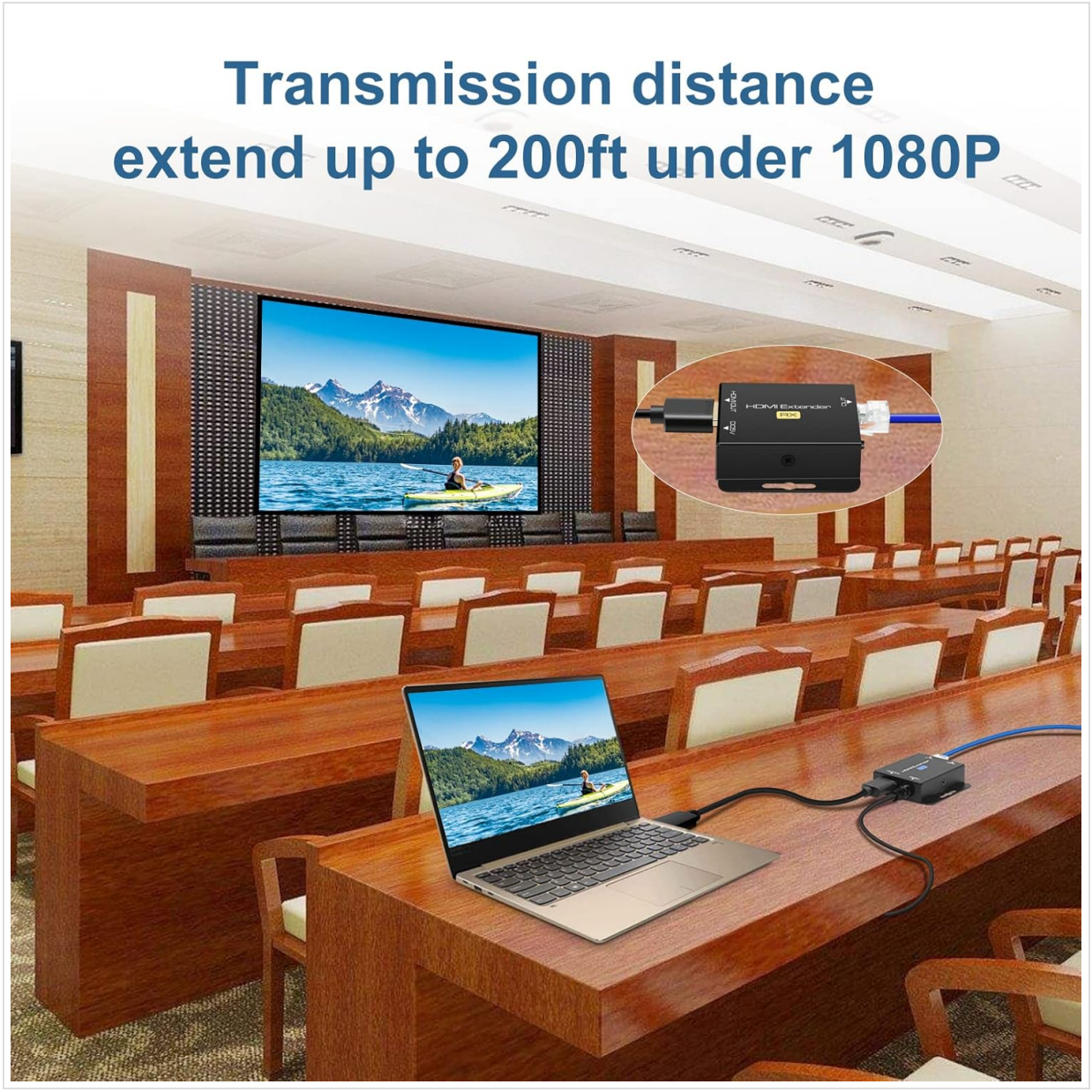

Image: Image showing the HDMI extender in a conference room setting, extending a laptop's display to a large projector screen over a long distance, highlighting its 200ft range at 1080p resolution.

Maintenance

To ensure the longevity and optimal performance of your HDMI extender:

- Keep the units clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid placing heavy objects on the units or cables.
- Ensure proper ventilation around the units to prevent overheating.
- Regularly check cable connections for looseness or damage.

Troubleshooting

- **No Picture/Signal:**
  - Check all HDMI and Cat6 cable connections. Ensure they are secure.
  - Verify that the TX unit is powered on and its indicator light is active.
  - Try a different HDMI cable or Cat6 cable to rule out cable issues.
  - Press the EDID button on the TX unit to re-copy the display's EDID.

- Ensure the source device is outputting a supported resolution (1080p/1080i/720p/576i/480p).

- **Flickering/Intermittent Signal:**
  - Check the quality and length of the Cat6 cable. Longer distances or lower quality cables can cause signal degradation.
  - Ensure the Cat6 cable is not running near sources of strong electromagnetic interference.
  - Verify that the power supply to the TX unit is stable.

- **No Audio:**
  - Ensure the audio settings on your source device and display are correctly configured.
  - Check HDMI cable connections.

Technical Specifications

Model Number	MAX-1317
HDMI Version	Supports 1080p/1080i/720p/576i/480p
Supported Audio Formats	DTS-HD/DTS/DSD
Transmission Distance	Up to 200 feet (60 meters) over Cat5e/6/7 cable
Power Supply	DC 5V (TX unit only, RX unit powered via POC)
HDCP Support	Yes
EDID Management	Yes, EDID copy function
Dimensions (L x W x H)	2.4 x 2 x 0.6 inches (61 x 53 x 16 mm)
Weight	8.8 ounces (249 grams)

Warranty and Support

VPFET products are designed for reliability and performance. For specific warranty details and technical support, please refer to the warranty card included with your product or visit the official VPFET website. Our customer service team is available to assist with any questions or issues you may encounter.