

## VEDINDUST EX-HDMI

# VEDINDUST HDMI Splitter Extender 1x2 User Manual

Model: EX-HDMI

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and troubleshooting of the VEDINDUST HDMI Splitter Extender 1x2. This device allows you to split one HDMI signal into two identical signals and extend them up to 50 meters (165 feet) over a single Cat5e/6/7 Ethernet cable, supporting 1080p resolution. It features EDID preset management and Power Over Cable (POC) technology, requiring power only at the Transmitter (TX) unit.

## 2. PACKAGE CONTENTS

Please verify that all items are present and in good condition upon opening the package.

- 1x HDMI Extender Splitter (Transmitter Unit - TX)
- 2x HDMI Extender Receivers (RX Units)
- 1x 12V Power Adapter (for TX unit)
- 1x Pair of Fixed Hangers
- 1x User Manual



Image: Contents of the VEDINDUST HDMI Splitter Extender package, showing the main transmitter unit, two receiver units, power adapter, mounting brackets, and user manual.

### 3. KEY FEATURES

- **HDMI Splitter Extender:** Splits one HDMI signal to two outputs and extends up to 50m (165ft) over Cat5e/6/7 cable.
- **EDID Preset Management:** Supports various EDID presets to optimize compatibility between source and display.
- **Power Over Cable (POC):** Only the Transmitter (TX) unit requires a 12V power supply; Receiver (RX) units are powered via the Ethernet cable.
- **No Compression Transmission:** Supports resolutions up to 1920x1200@60Hz and 1080p@60Hz.
- **Audio Format Support:** PCM / DTS / DSD.
- **Auto EQ:** Built-in automatic equalization algorithm for stable transmission over varying cable lengths.
- **Recommended Cable Lengths:** Cat6/7 - 50m, Cat5e - 40m, Cat5 - 30m.

### 4. SPECIFICATIONS

Feature	Detail
Model Number	EX-HDMI
Brand	VEDINDUST
Connector Type	HDMI, RJ45
Cable Type	Ethernet (Cat5e/6/7)
Number of Ports	1 HDMI In, 2 HDMI Out (local loop), 2 RJ45 Out
Max Resolution	1080p@60Hz, 1920x1200@60Hz

Feature	Detail
Transmission Distance	Up to 50m (165ft) with Cat6/7, 40m with Cat5e, 30m with Cat5
Power Supply	12V DC (for TX unit), POC (for RX units)
Compatible Devices	PC, DVD Player, PlayStation, Television
Dimensions (Package)	20.4 x 16.1 x 6.2 cm
Weight (Package)	580 grams
UPC	798610311257

## 5. PRODUCT DIAGRAMS



Image: Overview of the VEDINDUST HDMI Splitter Extender system, showing the main transmitter unit and two compact receiver units.

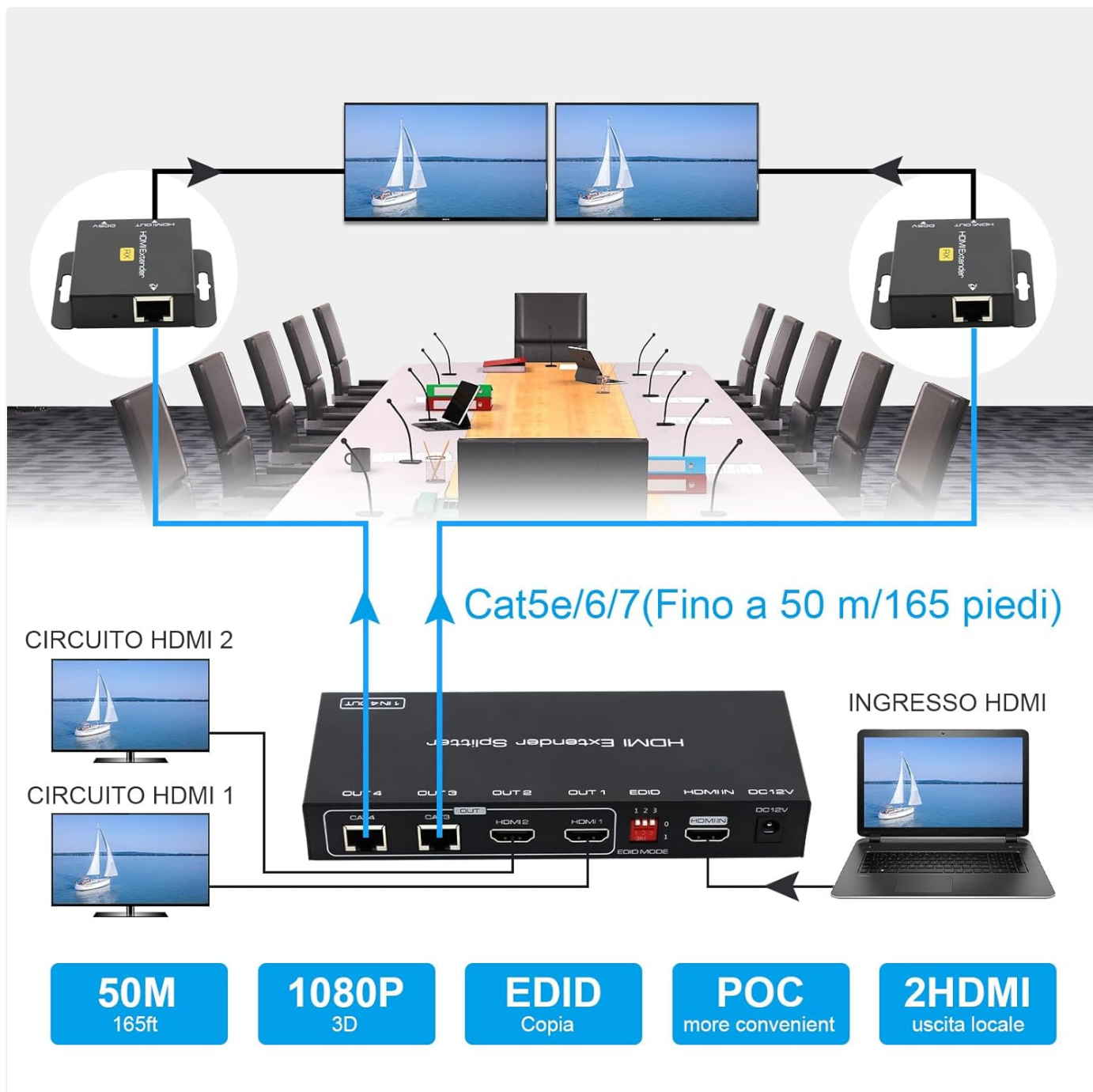
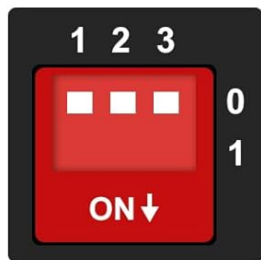


Image: Detailed view of the Transmitter (TX) unit's front panel, indicating the ON/OFF switch, Power indicator, and HDMI input indicator.

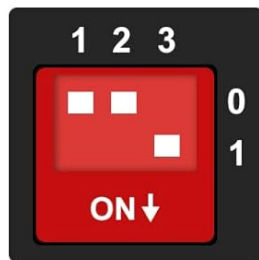


## EDID DIP Switch

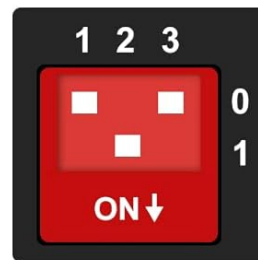
### 8 kinds EDID mode



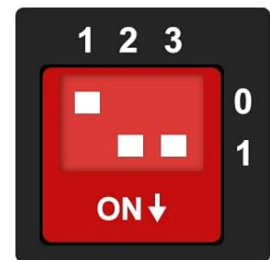
**000**  
1080P 2CH



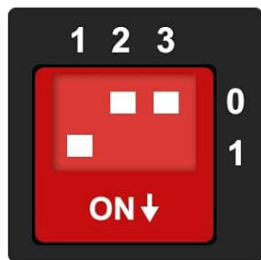
**001**  
1080P 5.1CH



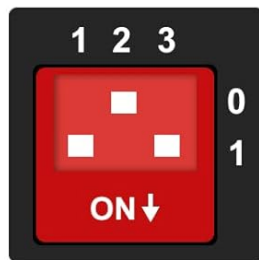
**010**  
1080P 7.1CH



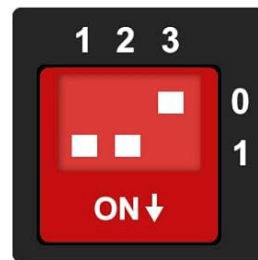
**011**  
1080P 3D 2CH



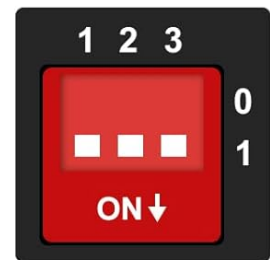
**100**  
1080P 3D 5.1CH



**101**  
1080P 3D 7.1CH



**110**  
1920x1200 2CH



**111**  
COPY HDMI OUT1

Image: Detailed view of the Transmitter (TX) unit's rear panel, showing RJ45 outputs (CAT3, CAT4), HDMI loop-out ports (HDMI1, HDMI2), EDID DIP switch, HDMI input, and 12V DC power input.

## 6. SETUP INSTRUCTIONS

- 1. Connect HDMI Source to TX:** Connect your HDMI source device (e.g., PC, DVD player, game console) to the **HDMI IN** port on the Transmitter (TX) unit using a high-quality HDMI cable.
- 2. Connect Local Displays (Optional):** If you wish to use local displays, connect them to the **HDMI 1** and **HDMI 2** loop-out ports on the TX unit.
- 3. Connect TX to RX Units:** Connect the **CAT3** and **CAT4** RJ45 outputs on the TX unit to the respective RJ45 inputs on the two Receiver (RX) units using Cat5e/6/7 Ethernet cables. Ensure the cable lengths are within the recommended limits (50m for Cat6/7, 40m for Cat5e, 30m for Cat5).
- 4. Connect Remote Displays to RX Units:** Connect your remote HDMI display devices (e.g., TVs, projectors) to the **HDMI OUT** ports on each RX unit using high-quality HDMI cables.
- 5. Power On TX Unit:** Connect the provided 12V power adapter to the **DC12V** input on the TX unit. The RX units will



receive power via the Ethernet cables (POC).

6. **Select EDID Mode:** Adjust the **EDID DIP Switch** on the TX unit according to your display and audio requirements. Refer to the EDID Mode section for detailed settings.
7. **Verify Connections:** Ensure all cables are securely connected. Power on all connected devices.

## Schema elettrico

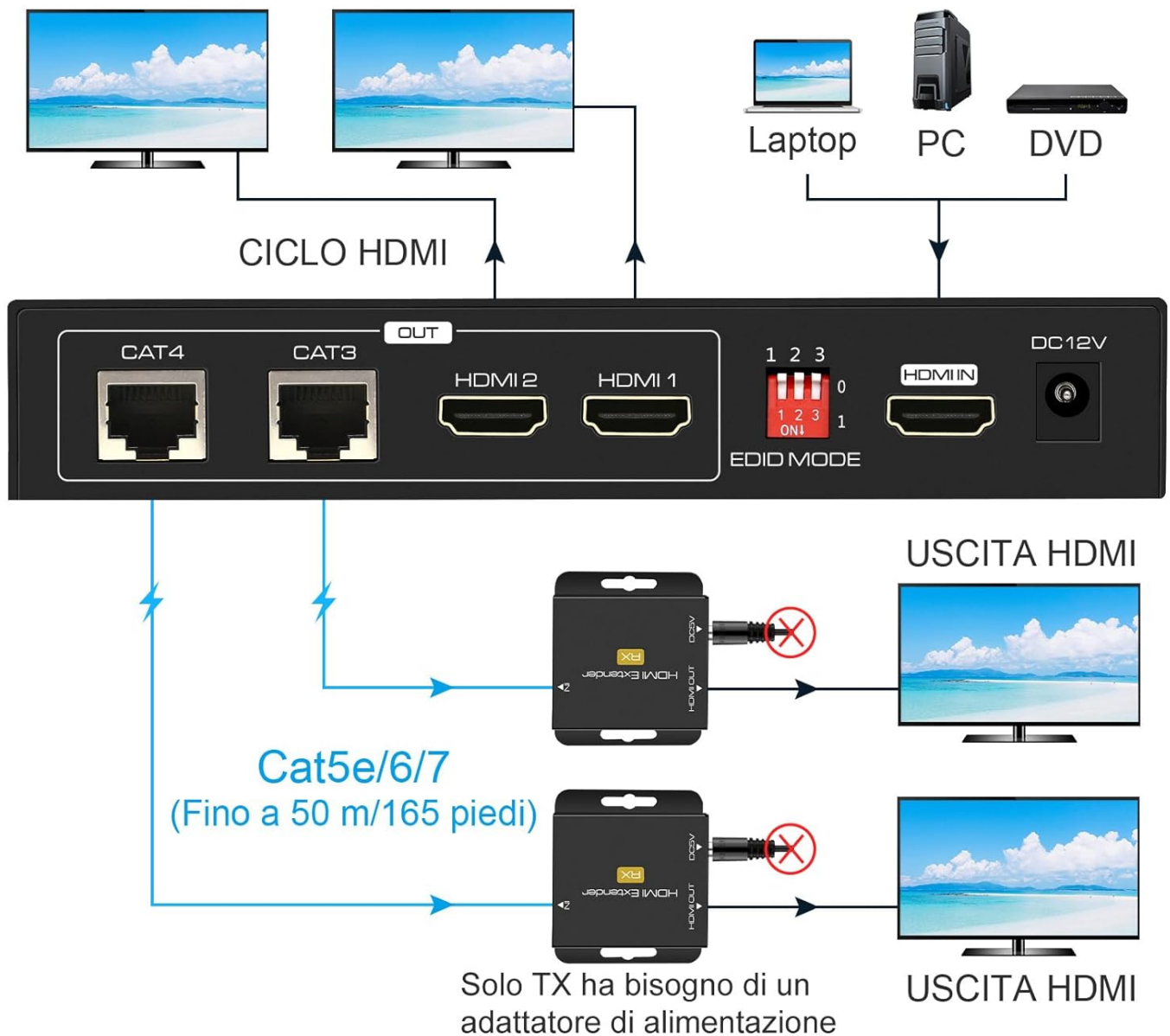
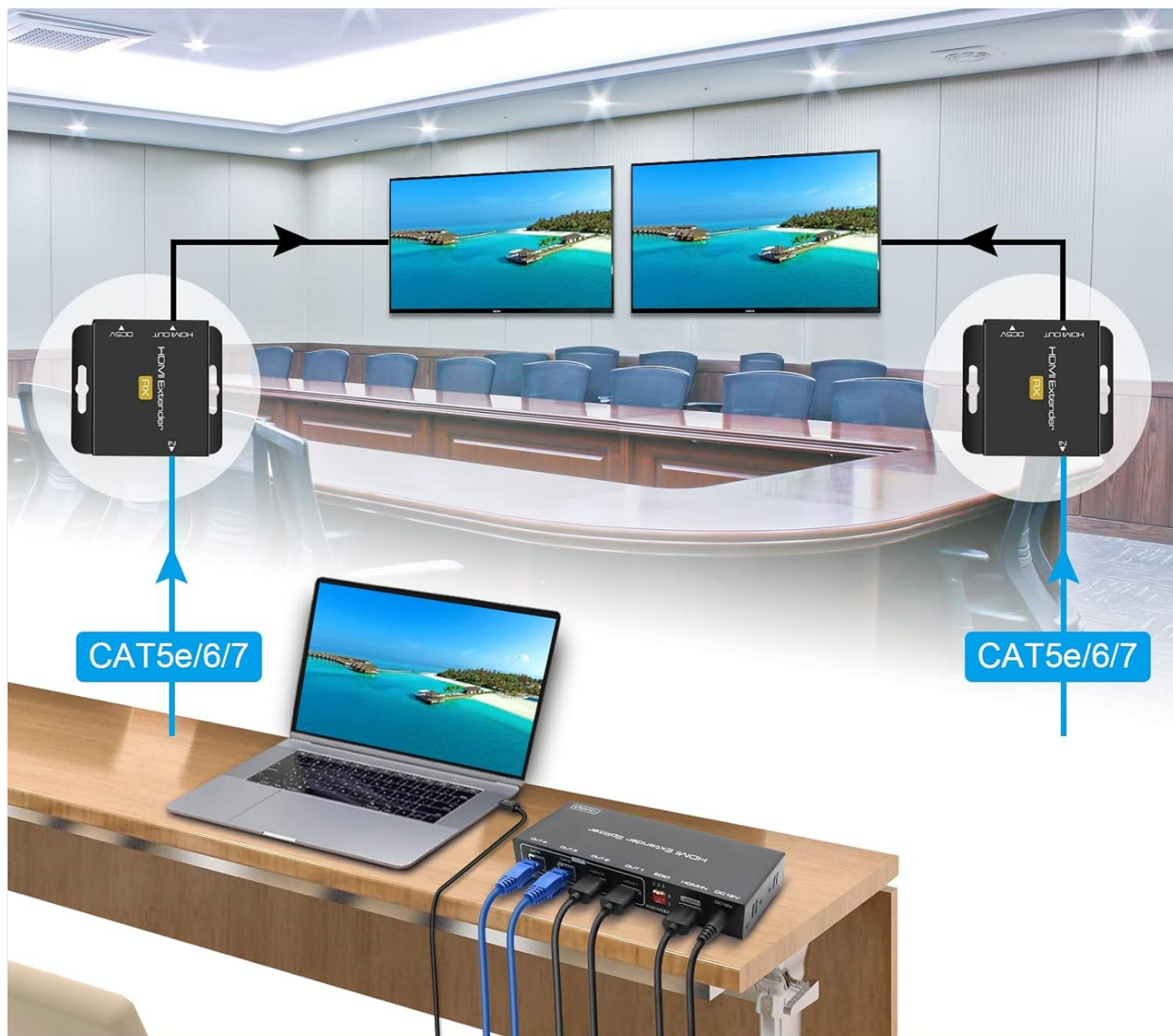


Image: A schematic diagram illustrating the connection process, showing an HDMI source connected to the TX unit, which then connects to two local displays and two remote RX units via Cat5e/6/7 cables, leading to two remote displays.



Adatto principalmente per progetti di ingegneria e sistemi di sorveglianza di negozi TV, display per conferenze, home office.

Image: An example setup showing the VEDINDUST HDMI Splitter Extender used in a conference room environment, connecting a laptop to multiple displays via the extender system.

## 7. OPERATING INSTRUCTIONS

### 7.1 Power On/Off

- Ensure the 12V power adapter is connected to the TX unit.
- Use the **ON/OFF** switch on the front panel of the TX unit to power the system on or off.
- The Power indicator LED on the TX unit will illuminate when powered on.

### 7.2 EDID Mode Selection

The EDID (Extended Display Identification Data) DIP switch allows you to select the optimal video and audio format for your connected displays. This helps ensure compatibility and the best possible output quality.

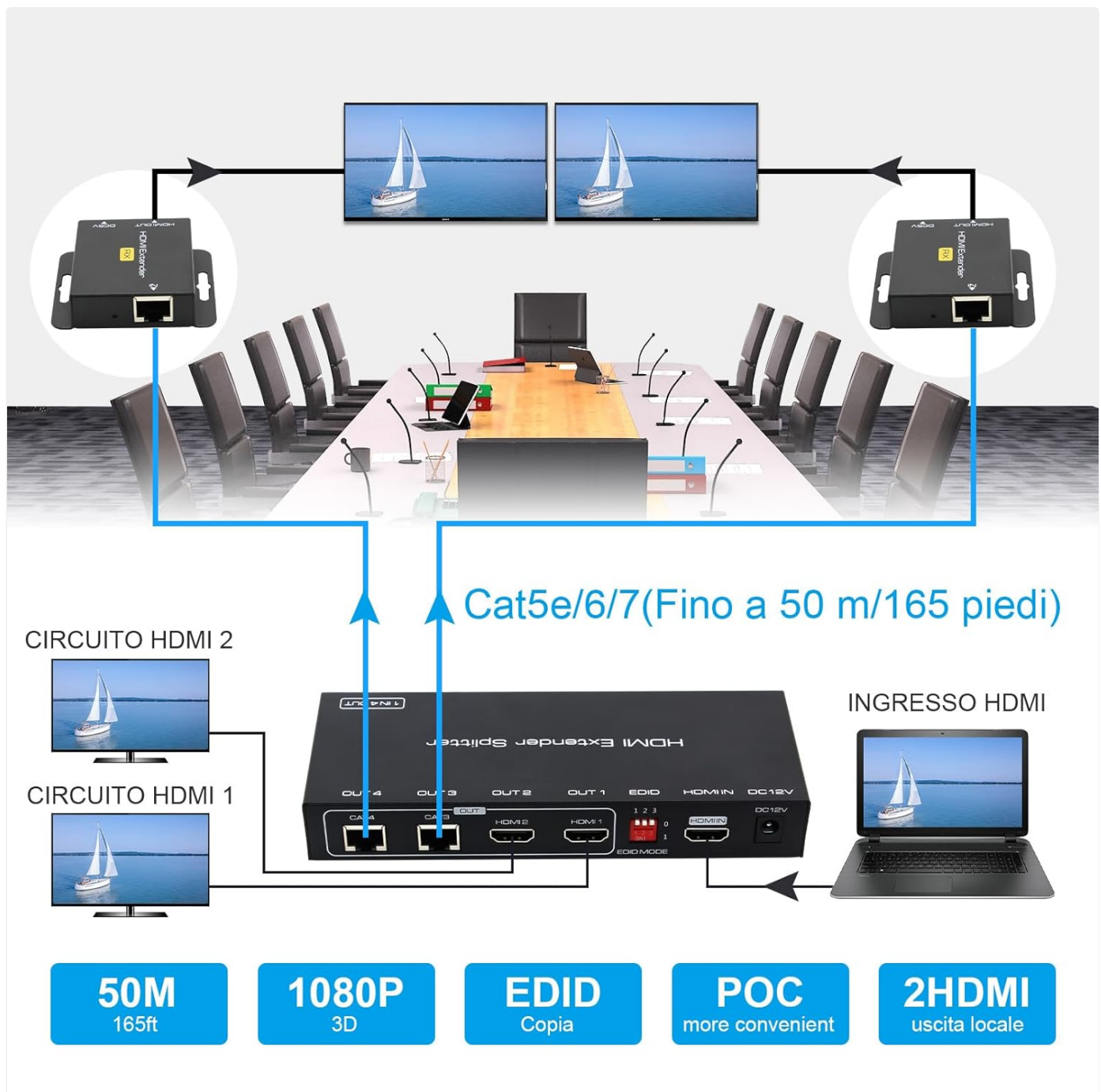


Image: Close-up of the EDID DIP switch on the Transmitter unit, showing the three switches labeled 1, 2, 3 and their ON/OFF positions.

Refer to the table below for common EDID settings:

DIP Switch Setting (1-2-3)	EDID Mode
000	1080p 2CH Audio
001	1080p 5.1CH Audio
010	1080p 7.1CH Audio
011	1080p 3D 2CH Audio
100	1080p 3D 5.1CH Audio
101	1080p 3D 7.1CH Audio
110	1920x1200 2CH Audio



DIP Switch Setting (1-2-3)	EDID Mode
111	Copy HDMI OUT 1 EDID

Note: "0" typically means the switch is in the OFF/down position, and "1" means the ON/up position. If you experience display issues, try different EDID settings or use the "Copy HDMI OUT 1 EDID" mode if a local display is connected to HDMI OUT 1.

## 8. MAINTENANCE

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- Keep the device in a cool, dry place, away from direct sunlight and heat sources.
- Avoid exposing the device to moisture or extreme temperatures.
- Clean the device with a soft, dry cloth. Do not use liquid or aerosol cleaners.
- Ensure proper ventilation around the units to prevent overheating.

## 9. TROUBLESHOOTING

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- **No Picture/Signal:**
  - Ensure all HDMI and Ethernet cables are securely connected.
  - Verify the TX unit is powered on and the power indicator is lit.
  - Check the length and quality of your Ethernet cables. Ensure they meet the recommended specifications (Cat5e/6/7).
  - Try adjusting the EDID DIP switch settings on the TX unit to match your display's capabilities.
  - Test with a different HDMI source or display to rule out device incompatibility.
- **Flickering or Intermittent Signal:**
  - This can often be resolved by adjusting the EDID settings.
  - Ensure Ethernet cables are not running near strong electromagnetic interference sources.
  - Check for damaged cables.
- **No Audio:**
  - Verify the EDID setting supports the desired audio format (e.g., 2CH, 5.1CH, 7.1CH).
  - Check audio settings on your source device and display.
- **POC Not Working (RX unit not powering on):**
  - Ensure the TX unit is powered by a 12V adapter. The RX units draw power from the TX unit via the Ethernet cable.
  - Check the Ethernet cable for damage or improper termination.


## 10. WARRANTY AND SUPPORT

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For warranty information or technical support, please refer to the contact details provided with your purchase or visit the VEDINDUST official website. Keep your purchase receipt for warranty claims.



## Related Documents - EX-HDMI

<p><b>USER MANUAL</b></p> <p>HDMI Audio Extraction 3.5mm L/R Optical Connector</p>	<p><a href="#">HDMI Audio Extractor User Manual</a></p> <p>User manual for the HDMI Audio Extractor, detailing its features, specifications, panel description, EDID settings, wiring diagram, and troubleshooting.</p>
<p><b>USER MANUAL</b></p> <p>HDMI Splitter Dual Monitor 1 in 2 and 200V 140 (200V 100V)</p>	<p><a href="#">HDMI Splitter Dual Monitor User Manual - VEDINDUST SP911</a></p> <p>Comprehensive user manual for the VEDINDUST SP911 HDMI Splitter Dual Monitor. Provides detailed information on safety precautions, product features, technical specifications, panel layout, wiring diagrams, driver installation for Windows, and usage instructions, including troubleshooting for 4K and 1080P output.</p>
<p><b>USER MANUAL</b></p> <p>Dual Monitor KVM Switch 2x2 8K60Hz USB-C</p>	<p><a href="#">VEDINDUST Dual Monitor KVM Switch 2x2 8K60Hz USB-C User Manual</a></p> <p>Comprehensive user manual for the VEDINDUST Dual Monitor KVM Switch 2x2, featuring 8K60Hz resolution and USB-C connectivity. This guide details safety precautions, product features, technical specifications, package contents, connection diagrams for HDMI and DisplayPort setups, and troubleshooting steps for seamless operation of two computers with shared peripherals.</p>
<p><b>USER MANUAL</b></p> <p>USB 3.0 Switch/Splitter Bi-directional 2 in 1 Out / 1 in 2 Out</p>	<p><a href="#">USB 3.0 Switch/Splitter User Manual: Bi-directional 2-in-1-out / 1-in-2-out</a></p> <p>Comprehensive user manual for the VEDINDUST USB 3.0 Switch/Splitter. Learn how to use, install, and troubleshoot this bi-directional 2-in-1-out / 1-in-2-out device for sharing USB peripherals.</p>
<p><b>USER MANUAL</b></p> <p>3.5mm Stereo Audio Selector Switch Box Bi-Directional 2 Ports Audio Splitter Box (1 in 2 Out / 2 in 1 Out)</p> 	<p><a href="#">3.5mm Stereo Audio Selector Switch Box User Manual</a></p> <p>User manual for the VEDINDUST 3.5mm Stereo Audio Selector Switch Box, a bi-directional 2-port audio splitter. This guide details safety instructions, package contents, specifications, features, panel description, connection diagrams, and usage modes for the audio switcher.</p>

USER MANUAL

Dual Monitor KVM Switch 2x2  
4K60Hz USB-C

[VEDINDUST Dual Monitor KVM Switch 2x2 4K60Hz USB-C User Manual](#)

Comprehensive user manual for the VEDINDUST Dual Monitor KVM Switch 2x2, featuring 4K60Hz resolution and USB-C connectivity. It covers safety precautions, features, specifications, package contents, connection diagrams, and troubleshooting.