

Malarpon HDMI EDID 1080-4P

Malarpon HDMI EDID Emulator Passthrough 1080-4P Instruction Manual

Model: HDMI EDID 1080-4P | Brand: Malarpon

1. INTRODUCTION AND OVERVIEW

The Malarpon HDMI EDID Emulator Passthrough 1080-4P is designed to resolve common display issues encountered in various computing environments. This device ensures that your computer or source device always detects a connected display, even when the actual monitor is turned off, disconnected, or when using KVM switches or remote desktop applications. By maintaining the Extended Display Identification Data (EDID), it prevents desktop icons from rearranging, windows from resizing, and ensures stable video output.

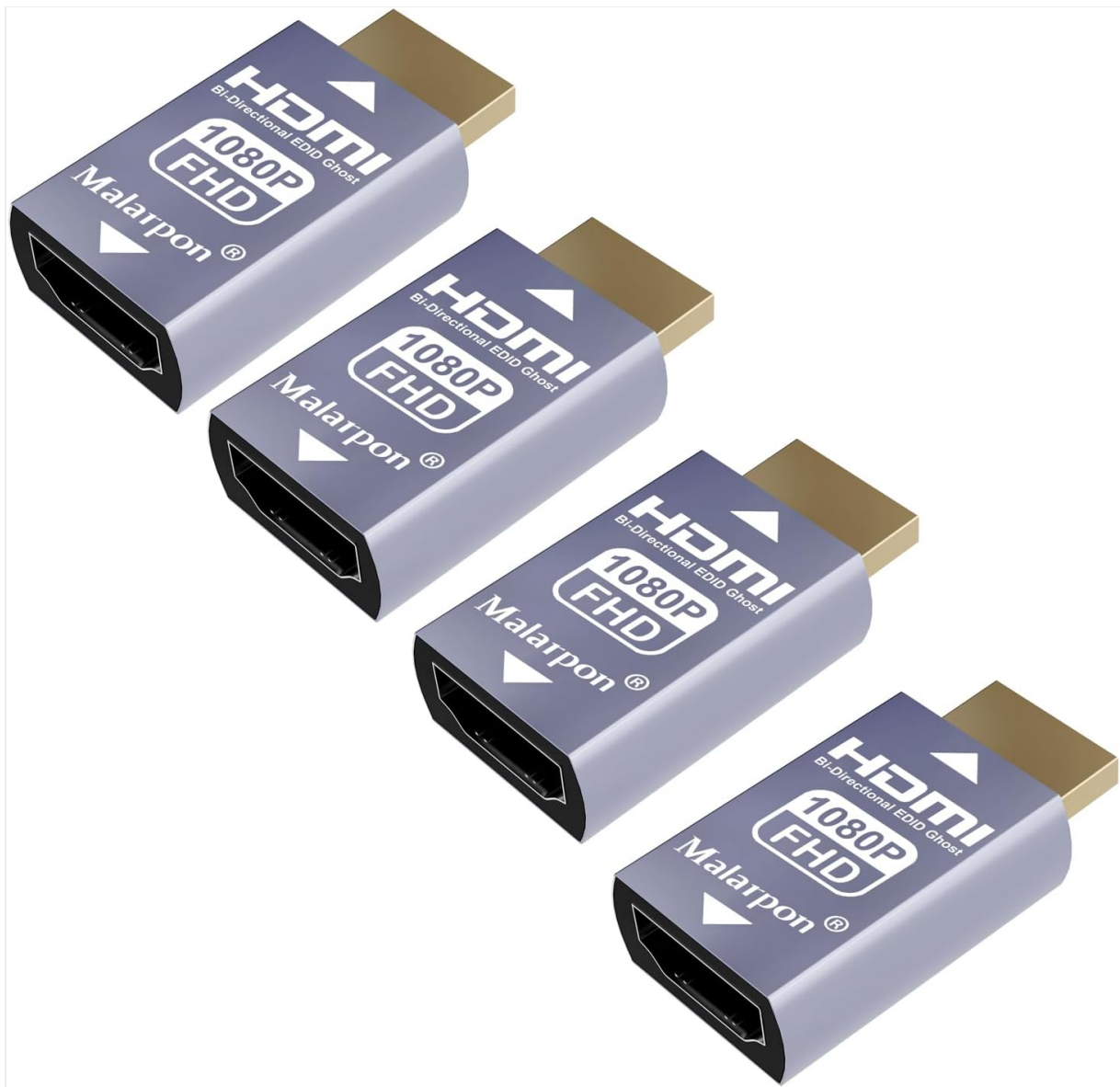


Image 1: Malarpon HDMI EDID Emulator Passthrough 1080-4P (4-pack)

2. KEY FEATURES

- **Bi-directional EDID Passthrough:** The emulator supports both source and sink connections, automatically detecting the direction of the HDMI signal.
- **Stable EDID Emulation:** Ensures your system consistently recognizes a display, preventing display blackouts or resolution changes when monitors are turned off or disconnected.
- **Plug and Play:** No drivers or additional software installation required for operation.
- **Prevents Desktop Rearrangement:** Maintains the arrangement of desktop icons and open windows, especially useful in multi-monitor setups or with KVM switches.
- **Accelerates Display Negotiation:** Reduces the time taken for display detection when a monitor is frequently switched on/off or reconnected.
- **Gold-Plated HDMI Connectors:** Designed for stable signal transmission and durability.
- **Wide Compatibility:** Supports various devices including laptops, PCs, KVM switches, HDMI splitters, and is suitable for headless server setups.

Step-by-step usage instructions

■ CONVENIENT

No Driver Installation Required,
Plug and Play

■ STABLE

Stable EDID Emulation Gold-Plated
HDMI Connectors for Stable Signal
Transmission

■ BI-DIRECTIONAL DESIGN

It can automatically detect the
direction of HDMI (Sink and
Source auto detection),
supporting both forward
and reverse connections.

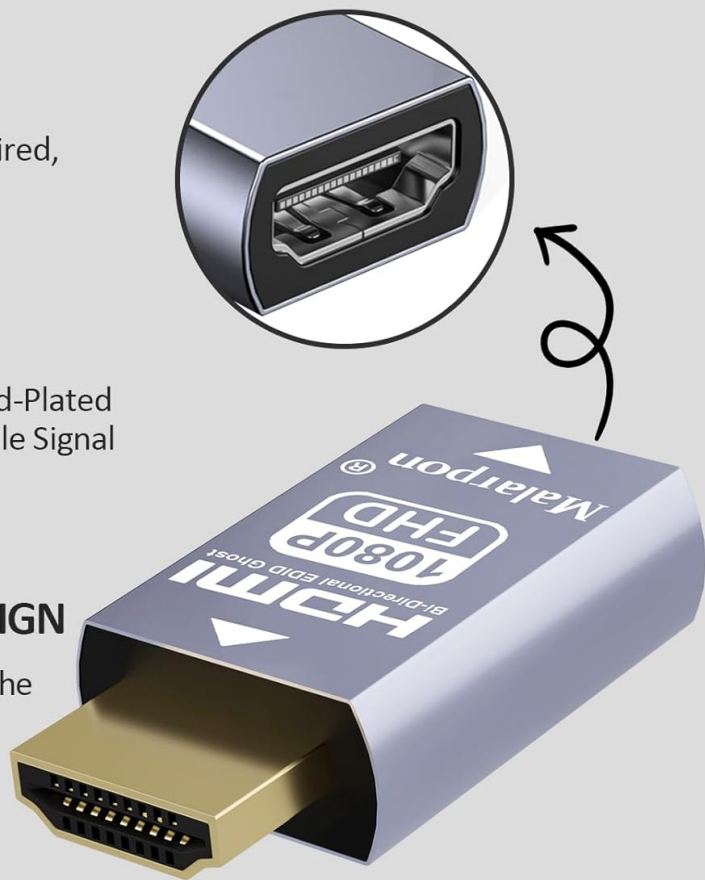


Image 2: Features of the Malarpon HDMI EDID Emulator

3. SETUP AND INSTALLATION

1. Identify the HDMI output port on your source device (e.g., PC, laptop, server).
2. Plug the Malarpon HDMI EDID Emulator directly into the HDMI output port of your source device.
3. If you are connecting to a monitor, connect your HDMI cable from the monitor to the other end of the EDID emulator.
4. The device is plug-and-play; your system should automatically detect the emulated display.

Key advantages: Plug and Play, Stability, Wide Compatibility



Image 3: Plugging in the HDMI EDID Emulator

4. OPERATING INSTRUCTIONS

Once installed, the Malarpon HDMI EDID Emulator will continuously provide EDID information to your source device. This ensures that your operating system (e.g., Windows, macOS, Linux) perceives a display as constantly connected, even if the physical monitor is powered off or removed. This functionality is crucial for:

- **Headless Servers:** Allows remote access to servers without a physical monitor, maintaining desired resolutions.
- **KVM Switches:** Prevents display issues and desktop rearrangement when switching between computers.
- **Remote Desktop:** Ensures stable resolution and display settings during remote sessions.
- **Multi-Monitor Setups:** Maintains window positions and desktop layout when one or more monitors are temporarily unavailable.

The emulator supports a default resolution of 1920x1080 at 60Hz. Your system's display settings should reflect this or allow selection of other supported resolutions as detailed in the specifications.

Home and Office Scenarios



Image 4: Home and Office Scenarios with EDID Emulator

5. TROUBLESHOOTING

- **Desktop Rearrangement or Black Screen:** This emulator is specifically designed to prevent these issues. Ensure the emulator is securely plugged into the HDMI output of your source device. If using a KVM switch, ensure the emulator is between the computer and the KVM.
- **No Video Signal or Incorrect Resolution:**
 - Verify that the emulator is fully inserted into the HDMI port.
 - Check your operating system's display settings to confirm the detected resolution. The emulator supports 1920x1080@60Hz by default, and other resolutions listed in the specifications.
 - If using a KVM or switch, ensure it supports the desired resolution and refresh rate.
- **Audio Issues (e.g., capped at 48KHz):** While primarily a video emulator, some users report audio limitations with specific setups. If audio quality is critical, verify your system's audio output settings and consider if your setup requires a different type of EDID management for audio.
- **Color Distortion (e.g., missing color channels):** This can occur with certain specific hardware or operating system configurations (e.g., some M1 Mac setups). Ensure your graphics drivers are up to date. If the issue persists, it may indicate a compatibility challenge with your specific hardware.

Your browser does not support the video tag.

Video 1: Demonstration of EDID emulator preventing display issues when a monitor is unplugged and replugged, maintaining display order and resolution.

6. SPECIFICATIONS

Product Dimensions	1.6 x 0.5 x 0.8 inches
Item Weight	2.11 ounces
Model Number	HDMI pass thought-20
Connector Type	HDMI
Default Resolution	1920x1080 @ 60Hz
Supported Resolutions	1920x1080 (50/60Hz), 1680x1050 (60Hz), 1600x900 (60Hz), 1366x768 (60Hz), 1280x1024 (60Hz), 1280x800 (60Hz), 1024x768 (60Hz), 800x600 (60Hz)
Compatible Devices	Laptop, Monitor, PC
Manufacturer	Malarpon

HDMI KVM



Model	hdmi双向-1080P
Display name	EDIIG0216
Default resolution	1920x1080 60HZ
Support resolutions	1920x1080 50/60Hz 1680x1050 60Hz 1600x900 60Hz 1366x768 60Hz 1280x1024 60Hz 1280x800 60Hz 1024x768 60Hz 800x600 60Hz

Applicable to HDMI-KVM/Switcher/
Splitter, The default resolution:
d: 1920*1080@60hz,
R: 800*600@60hz~1920*1080@60hz

HDMI-Switcher/Splitter



Image 5: Supported Resolutions and KVM Compatibility

7. WARRANTY AND SUPPORT

For any inquiries or support needs regarding your Malarpon HDMI EDID Emulator, please contact Malarpon customer service. The manufacturer aims to provide assistance within 24 hours and offers a satisfaction guarantee for 34 days from the date of purchase.

Manufacturer: Malarpon