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FUERAN 2K-2P

FUERAN HDMI Dummy Plug Headless Ghost Display Emulator (2K-2P) Instruction Manual

Model: 2K-2P

1. Product Overview

The FUERAN HDMI Dummy Plug is a compact display emulator designed for systems operating without a physical monitor. It functions by emulating a connected display, ensuring the graphics processing unit (GPU) remains active and available for various tasks.
This device is particularly useful for:

- Enabling high-resolution, GPU-accelerated remote desktop connections.
- Supporting GPU-intensive tasks such as cryptocurrency mining.
- Facilitating virtual desktop environments, for example, with Oculus Rift and HTC Vive.

It is compatible with any graphics card featuring an HDMI output and operates across various operating systems including Windows, OSX, and Linux. The plug-and-play design requires no drivers, configuration, or external power supply.



Figure 1: FUERAN HDMI Dummy Plug (2K-2P).

2. Setup Instructions

Setting up the FUERAN HDMI Dummy Plug is straightforward due to its plug-and-play nature.

1. **Identify the HDMI Port:** Locate an available HDMI output port on your computer's graphics card.
2. **Insert the Dummy Plug:** Gently insert the FUERAN HDMI Dummy Plug into the HDMI port. Ensure it is fully seated.
3. **System Recognition:** Your operating system will automatically detect the dummy plug as a connected display. No additional drivers or software installation is required.

Once connected, the system's GPU will be activated, allowing for headless operation and remote access functionalities.

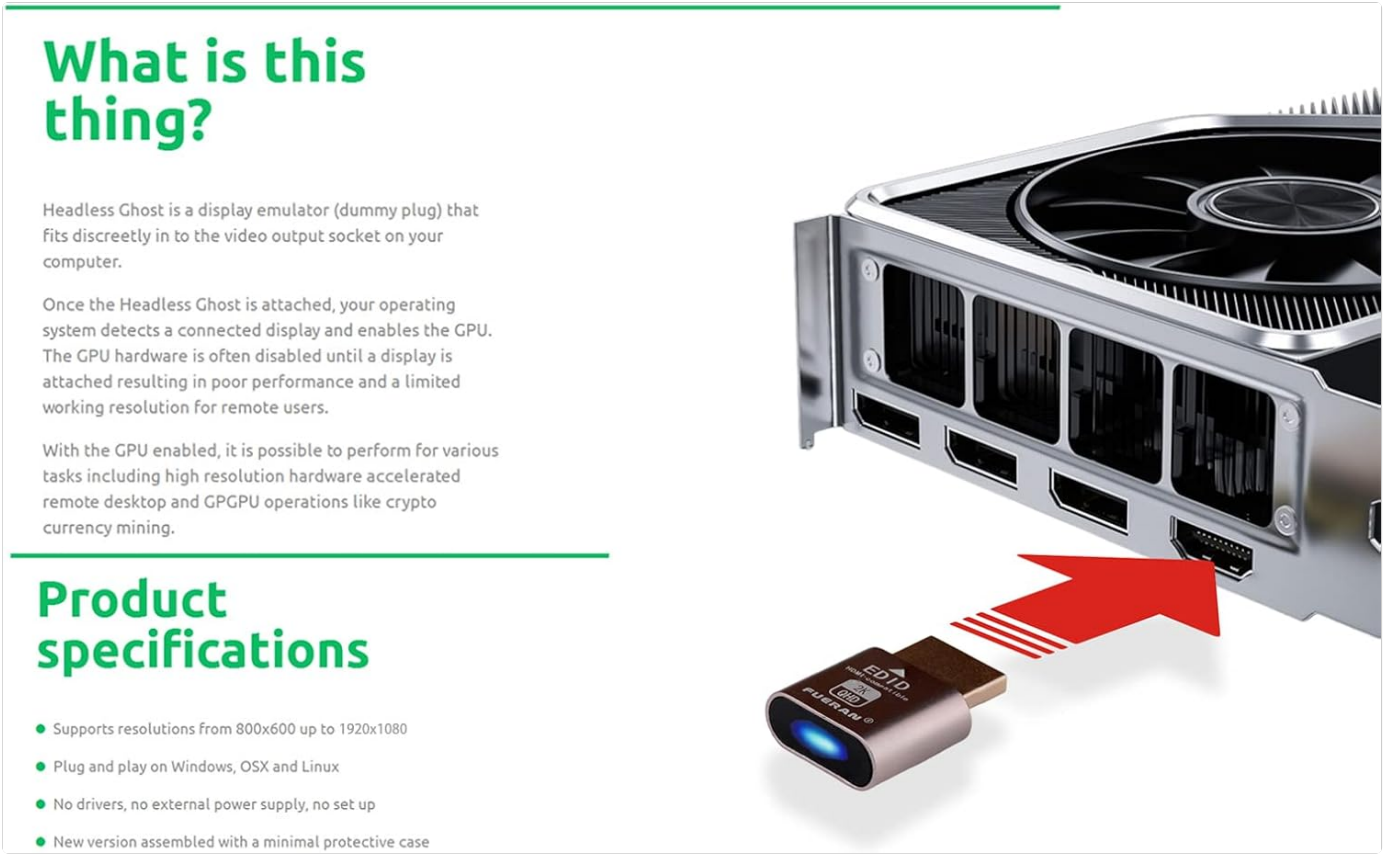


Figure 2: Dummy Plug inserted into a GPU HDMI port.

3. Operating Instructions

The HDMI Dummy Plug operates by simulating a display, which keeps your computer's GPU active even when no physical monitor is connected. This is crucial for maintaining optimal performance for various applications.

- **Remote Desktop:** For remote access applications like TeamViewer, AnyDesk, or VNC, the dummy plug ensures that the remote desktop session can run at high resolutions and utilize GPU acceleration. Without it, the system might default to a lower resolution or disable the GPU, leading to poor performance.
- **GPU Tasks:** If you are using your computer for tasks that heavily rely on the GPU, such as cryptocurrency mining, video rendering, or scientific simulations (e.g., BOINC work units), the dummy plug ensures the GPU remains fully operational and accessible.
- **Virtual Reality:** For virtual desktop applications within VR headsets like Oculus Rift or HTC Vive, the dummy plug can help maintain a stable and high-resolution virtual display environment.

The default emulated resolution for this 2K-2P model is 1920x1080 at 60Hz. Higher resolutions up to 2K (2560x1440) are supported. For specific resolution adjustments or custom resolutions, refer to your operating system's display settings or third-party utilities if necessary.

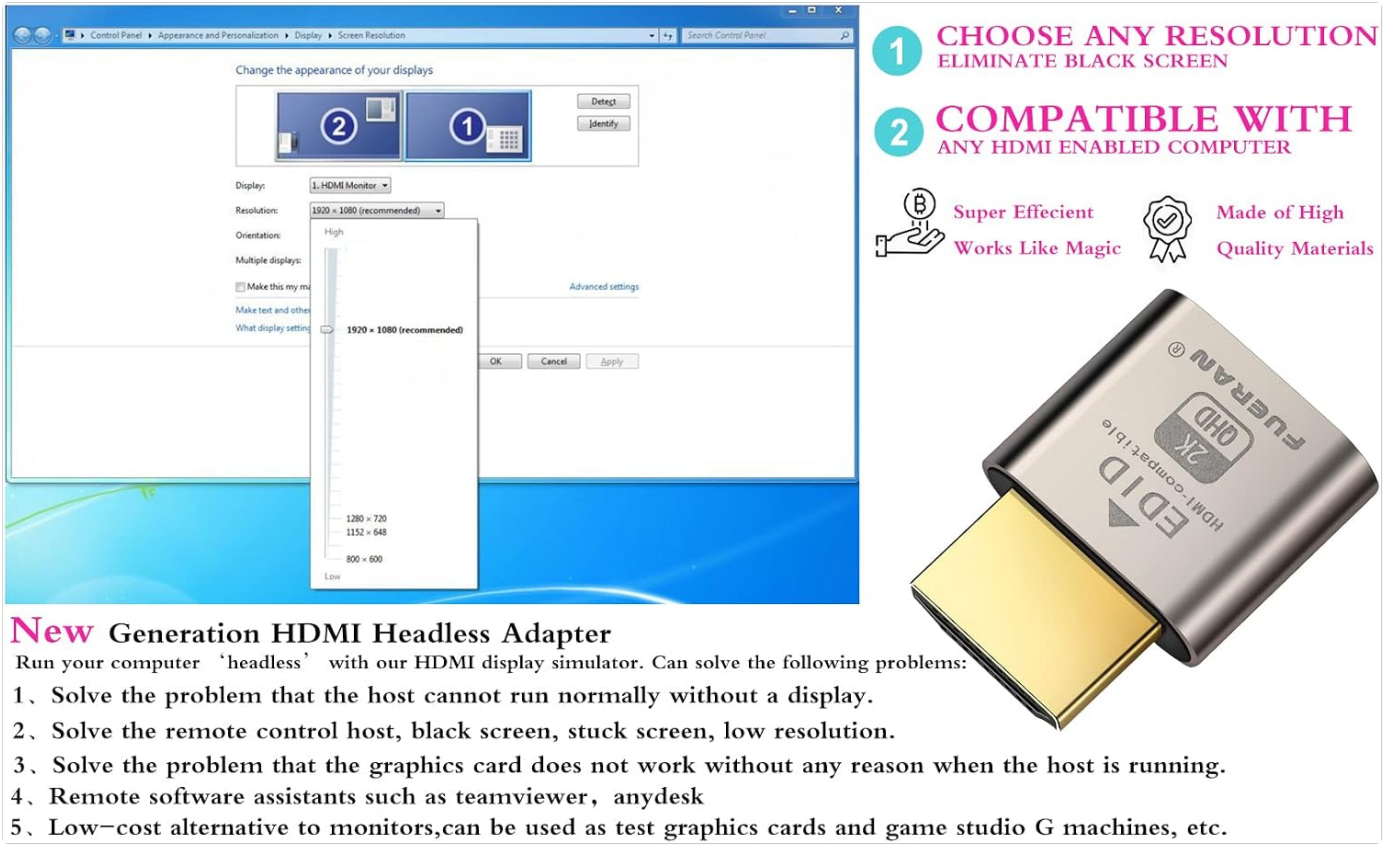


Figure 3: Remote desktop access enabled by the dummy plug.

4. Maintenance

The FUERAN HDMI Dummy Plug is a passive device and requires minimal maintenance.

- **Cleaning:** If necessary, gently wipe the exterior of the dummy plug with a dry, soft cloth. Avoid using liquid cleaners or abrasive materials.
- **Storage:** When not in use, store the dummy plug in a clean, dry environment, away from extreme temperatures and direct sunlight.
- **Handling:** Handle the plug by its body, avoiding excessive force on the connector pins.

No internal components require user maintenance.

5. Troubleshooting

If you encounter issues while using the FUERAN HDMI Dummy Plug, consider the following troubleshooting steps:

- **No Display Detected / GPU Inactive:**
  - Ensure the dummy plug is fully inserted into a functional HDMI port on your graphics card.
  - Verify that your graphics card drivers are up to date.
  - Restart your computer after inserting the dummy plug.
  - Test the HDMI port with a physical monitor to confirm it is working correctly.
- **Incorrect Resolution or Refresh Rate:**
  - Access your operating system's display settings (e.g., Windows Display Settings, macOS System Preferences) to manually adjust the resolution and refresh rate.
  - For Windows users, third-party tools like Custom Resolution Utility (CRU) can be used to add custom

resolutions if needed.

- **Compatibility Issues with Adapters:**
  - The dummy plug is designed for direct HDMI connection. Using it with other adapters (e.g., USB-C to HDMI dongles) may introduce compatibility issues and is not officially supported.
- **Remote Desktop Performance Issues:**
  - Ensure your remote desktop software is configured to utilize GPU acceleration if available.
  - Check your network connection for stability and bandwidth.

If problems persist, contact customer support for further assistance.

6. Specifications

Model	2K-2P
Connector Type	HDMI
Emulated Resolution	Up to 2K (2560x1440), default 1920x1080@60Hz
Compatible Devices	PC, Monitor (emulated)
Specific Uses	Remote work, Headless gaming, Cryptocurrency mining
Dimensions (L x W x H)	25 x 25 x 25 mm
Power Requirement	No external power required
Drivers	No drivers required (Plug & Play)
Operating Systems	Windows, OSX, Linux
Manufacturer Model Number	769891252546
UPC	769891252546



Figure 4: Detailed view of the HDMI dummy plug.

7. Warranty Information

This FUERAN product comes with a limited warranty. For specific details regarding the warranty period and coverage, please refer to the product packaging or contact the manufacturer directly. Keep your proof of purchase for warranty claims.

8. Customer Support

For technical assistance, troubleshooting, or any questions regarding your FUERAN HDMI Dummy Plug, please contact the seller or manufacturer. Refer to your purchase documentation for contact details.
Manufacturer: FUERAN
Seller: FUERAN IN (via Amazon.de)

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