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FUERAN 2560x1440@120-144Hz

FUERAN 2K HDMI Dummy Plug Virtual Monitor Display Emulator User Manual

Model: 2560x1440@120-144Hz

1. Introduction

The FUERAN 2K HDMI Dummy Plug is a compact device designed to emulate a connected display, enabling headless operation of computers and optimizing remote desktop experiences. This manual provides essential information for setting up, operating, and troubleshooting your HDMI dummy plug.

2. Product Overview

This HDMI dummy plug acts as a virtual monitor, allowing your computer's graphics card to remain active and render at high resolutions even when no physical display is connected. This is particularly useful for:

- **Headless Server Operation:** Maintain full GPU functionality for remote access without needing a monitor.
- **Remote Desktop Access:** Achieve hardware-accelerated remote desktop sessions at optimal resolutions.
- **GPU Utilization:** Fully utilize your GPU for tasks such as cryptocurrency mining, video rendering, and simulations, which often require an active display output.
- **Virtual Display for Casting:** Create a virtual second screen that can be cast to devices like Chromecast.



Image: The FUERAN 2K HDMI Dummy Plug, highlighting its 2560x1440 resolution and 120-144Hz refresh rate capabilities.

3. Features

- **High Resolution Support:** Supports resolutions up to 2560x1440 at 120-144Hz. Default resolution is 1920x1080@60Hz. Other supported resolutions include 1024x768@60Hz and 1280x800@60Hz.
- **Plug and Play:** Requires no drivers, software installation, or external power. Simply plug it into an available HDMI port.
- **Wide Compatibility:** Works with various operating systems including PC Windows, Mac, Mac Mini OSX, and Linux.
- **Low Power Consumption:** Operates with minimal power and generates negligible heat.
- **EDID Emulation:** Emulates an Extended Display Identification Data (EDID) signal to ensure the graphics card detects a connected display.



Image: Illustration of the benefits of the HDMI dummy plug, including hardware-accelerated remote desktop and full GPU utilization.

4. Setup Instructions

1. **Identify an Available HDMI Port:** Locate an unused HDMI output port on your computer or graphics card.
2. **Insert the Dummy Plug:** Gently insert the FUERAN HDMI Dummy Plug into the identified HDMI port. Ensure it is fully seated.
3. **System Recognition:** Your operating system should automatically detect the virtual display. No additional drivers or software are required.
4. **Adjust Resolution (Optional):** If needed, access your operating system's display settings to adjust the resolution and refresh rate for the virtual display. The plug supports various resolutions up to 2560x1440 at 120-144Hz.



Image: The HDMI dummy plug being inserted into a device, demonstrating its simple plug-and-play setup.

5. Operating Instructions

Once installed, the HDMI dummy plug operates automatically by emulating a connected display.

- **Remote Access:** Connect to your headless computer using remote desktop software (e.g., VNC, TeamViewer, AnyDesk). The virtual display will ensure that the remote session operates at the desired resolution and refresh rate, providing a smoother experience.
- **GPU-Intensive Tasks:** For applications that require an active display to fully utilize the GPU (e.g., rendering, scientific computing, cryptocurrency mining), the dummy plug ensures the graphics card remains fully engaged.
- **Virtual Display Management:** In your operating system's display settings, you can manage the virtual display as you would a physical monitor, including setting its resolution and arrangement relative to other displays (if any).



Image: A visual representation of customizable resolution options and system-wide compatibility with various operating systems.

6. Troubleshooting

- **No Virtual Display Detected:**
  - Ensure the dummy plug is fully inserted into the HDMI port.
  - Try a different HDMI port on your device.
  - Restart your computer after inserting the dummy plug.
  - Verify your graphics card drivers are up to date.
- **Incorrect Resolution or Refresh Rate:**
  - Access your operating system's display settings and manually select the desired resolution and refresh rate.
  - Note that while the plug supports up to 2560x1440@144Hz, actual performance may vary based on your graphics card and system capabilities.

- **HDR Not Working:**
  - This HDMI dummy plug does **not support HDR (High Dynamic Range)**. If HDR functionality is required, this product may not be suitable.
- **HDCP Issues:**
  - This device does **not support HDCP (High-bandwidth Digital Content Protection)** Content requiring HDCP may not function as expected.
- **Not an HDMI Transmitter/Receiver:**
  - This device is an emulator, not a signal transmitter or receiver. It does not transmit video signals to another display.

7. Specifications

Model Number	2560x1440@120-144Hz
Connector Type	HDMI
Supported Resolutions	Up to 2560x1440@120-144Hz (Default: 1920x1080@60Hz; also supports 1024x768@60Hz, 1280x800@60Hz)
Compatible Devices	PC (Windows, Mac, Linux)
Product Dimensions	1 x 1 x 1 inches
Item Weight	0.353 ounces

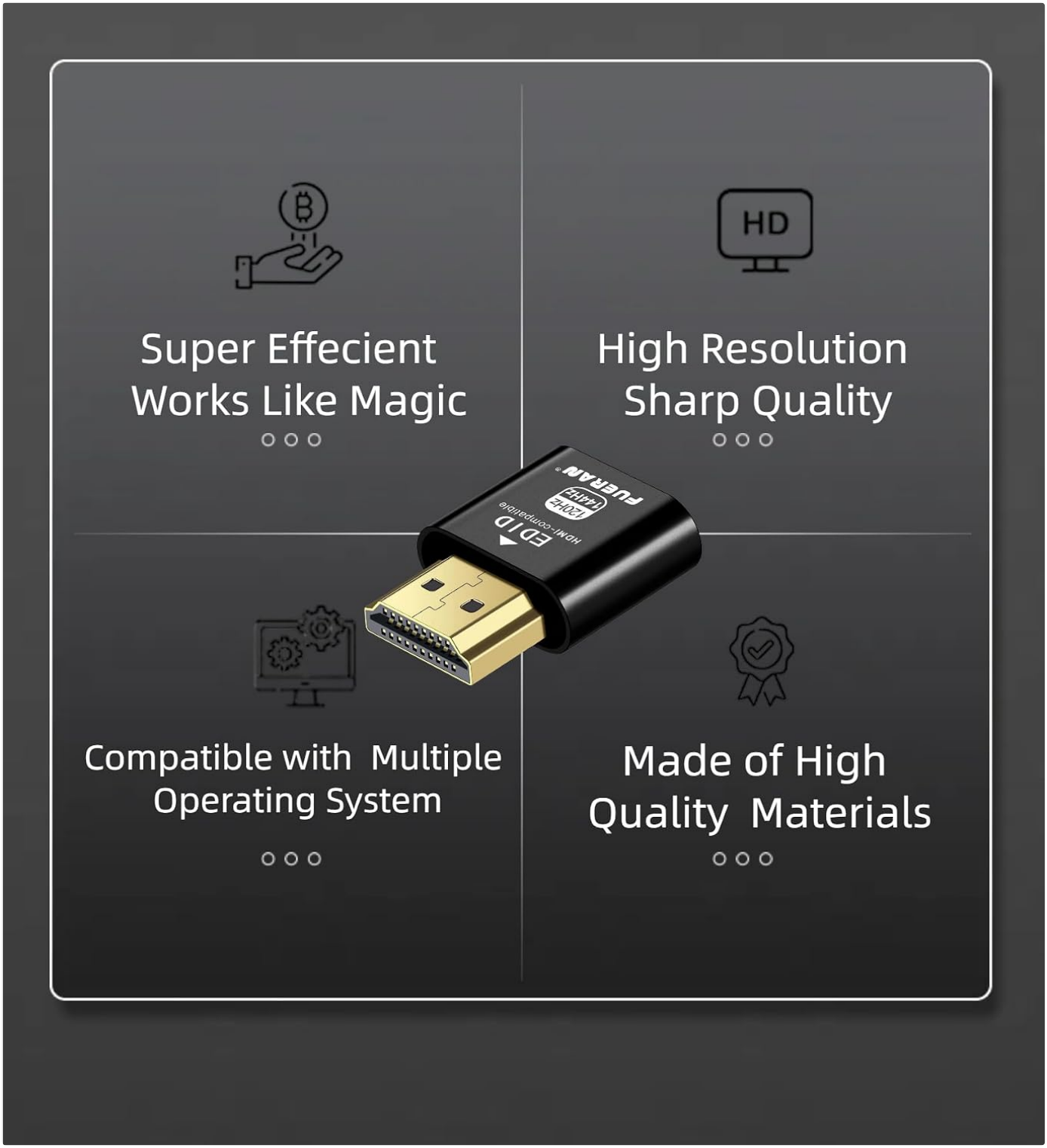


Image: Visual summary of key product attributes: efficiency, high resolution, multi-OS compatibility, and quality materials.

8. Maintenance

The FUERAN HDMI Dummy Plug requires minimal maintenance.

- **Cleaning:** Use a soft, dry cloth to wipe the exterior of the device if it becomes dusty. Avoid using liquid cleaners or abrasive materials.
- **Storage:** When not in use, store the dummy plug in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the device by its body, avoiding excessive force on the HDMI connector.

9. Warranty and Support

For warranty information or technical support, please refer to the product packaging or contact FUERAN customer service directly through their official website or the platform where the product was purchased.
Visit the FUERAN Store on Amazon

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