

## FOINNEX H-DPF

# FOINNEX HDMI to DisplayPort Adapter User Manual

Brand: FOINNEX | Model: H-DPF

## 1. PRODUCT OVERVIEW

The FOINNEX HDMI to DisplayPort Adapter (Model H-DPF) is designed to transmit high-definition video and audio signals from an HDMI source device to a DisplayPort display. This active adapter supports resolutions up to 4K@60Hz, making it suitable for various applications including video streaming, gaming, and extending/mirroring displays.

### Key Features:

- **Unidirectional Signal Transfer:** Converts signal from HDMI output to DisplayPort input only.
- **4K@60Hz Resolution Support:** Supports UHD resolutions up to 3840x2160 at 60Hz.
- **Plug and Play:** No drivers required for installation.
- **Multiple Modes:** Supports extended and mirror display modes.
- **Wide Compatibility:** Compatible with various HDMI output devices (PCs, laptops, gaming consoles) and DisplayPort input devices (monitors, HDTVs, projectors).
- **USB Power Option:** Can be powered via USB for low-voltage devices like PS4 or Apple devices.

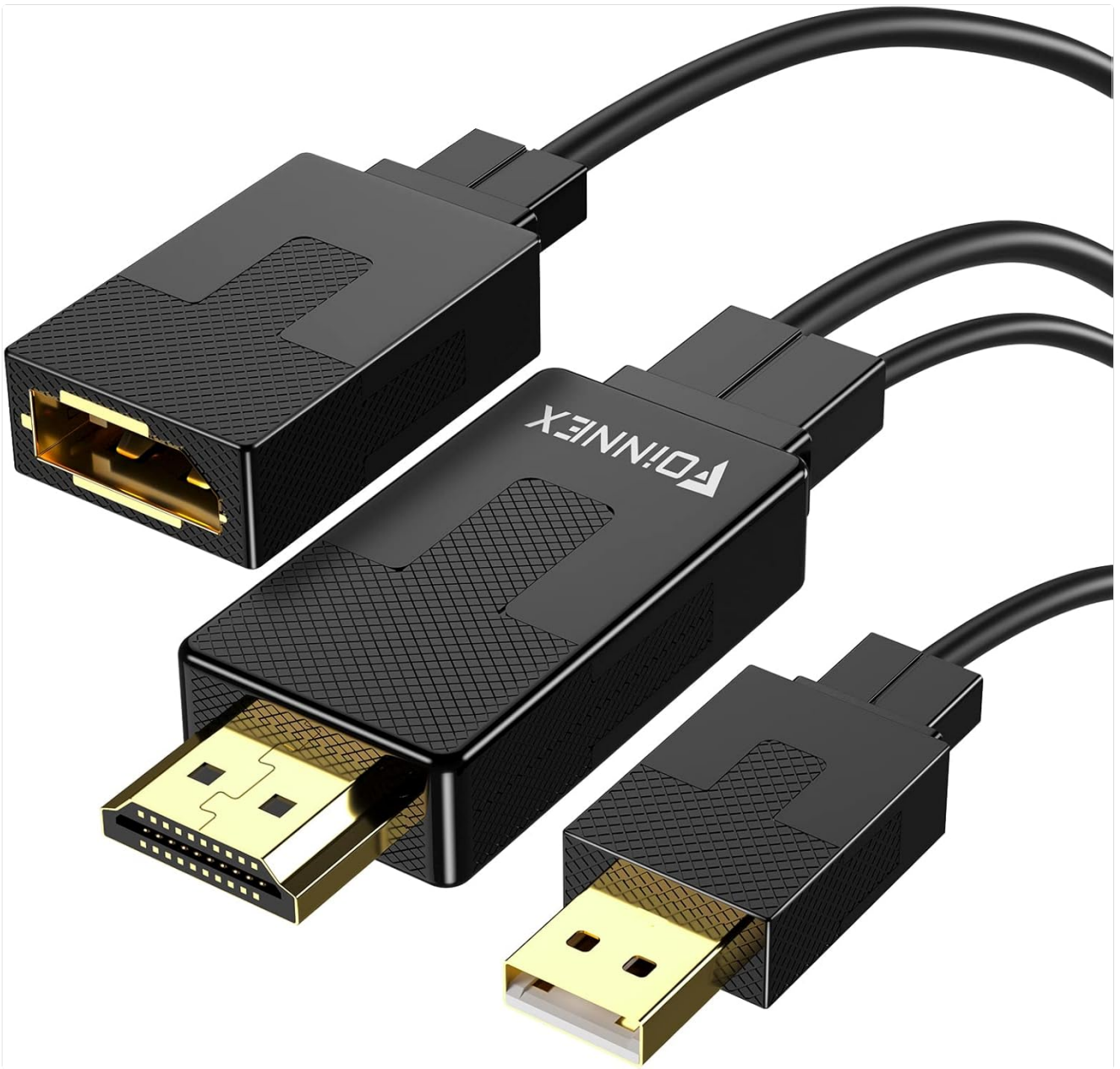


Figure 1: FOINNEX HDMI to DisplayPort Adapter. This image shows the adapter with its HDMI male connector, DisplayPort female port, and an attached USB-A male connector for optional power.

## 2. SETUP INSTRUCTIONS

Follow these steps to connect your FOINNEX HDMI to DisplayPort Adapter:

1. **Identify Ports:** Ensure your source device has an HDMI output port and your display device has a DisplayPort input port. Remember, this adapter is unidirectional (HDMI source to DisplayPort display).
2. **Connect HDMI:** Plug the HDMI male connector of the FOINNEX adapter into the HDMI output port of your source device (e.g., computer, PS4, Nintendo Switch).



Figure 2: Connecting the HDMI output from your source device to the adapter.

3. **Connect DisplayPort:** Connect a DisplayPort cable (not included) from the DisplayPort female port of the FOINNEX adapter to the DisplayPort input port on your monitor or display.



Figure 3: Connecting the DisplayPort cable from the adapter to your display.

4. **Optional USB Power:** For low-power HDMI source devices (such as SONY PS4, MacBook Pro with Retina Display, Mac mini, or Nintendo Switch), connect the USB-A male connector of the adapter to a USB port on your source device or a USB power adapter. This provides additional power to ensure stable signal transmission.



Figure 4: Optional USB power connection for low-voltage devices.

5. **Select Input on Display:** On your display, navigate to the input/source menu and select "DisplayPort" as the active input.



Figure 5: Selecting DisplayPort input on your monitor.

The adapter is plug-and-play, so no additional drivers are typically needed. Your display should automatically detect the signal.

### 3. OPERATING INSTRUCTIONS

Once connected, the FOINNEX HDMI to DisplayPort Adapter allows for seamless video and audio transmission. Here are common operating scenarios:

#### 3.1. Display Modes

The adapter supports both mirror and extended display modes, configurable through your operating system's display settings.

- **Mirror Mode:** Duplicates your primary display's content onto the connected DisplayPort monitor.
- **Extended Mode:** Extends your desktop across both displays, providing more screen real estate for multitasking.



Figure 6: Using the adapter for dual monitors in extended mode for work.

#### 3.2. Gaming and Multimedia

The adapter is suitable for connecting gaming consoles (PS3, Xbox One, Xbox 360, Nintendo Switch) or other multimedia devices to a DisplayPort monitor. It supports 4K@60Hz for compatible consoles and displays.

**Note:** This adapter cannot improve the native resolution of games. Game consoles supporting 4K@60Hz (e.g., Xbox One S) will display games at their native resolution on a compatible 4K@60Hz DisplayPort monitor.



Figure 7: Enhancing your gaming experience with 4K@60Hz support.

## 4. MAINTENANCE

The FOINNEX HDMI to DisplayPort Adapter requires minimal maintenance to ensure optimal performance and longevity.

- **Cleaning:** Use a soft, dry cloth to gently wipe the adapter and its connectors. Avoid using liquid cleaners or abrasive materials.
- **Storage:** When not in use, store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid bending or twisting the cables excessively, as this can damage internal wires. Always grasp the connector ends when plugging or unplugging the adapter.
- **Environmental Conditions:** Do not expose the adapter to water, high humidity, or dusty environments.

## 5. TROUBLESHOOTING

If you encounter issues with your FOINNEX HDMI to DisplayPort Adapter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No display or flickering screen.	Incorrect connection, insufficient power, or incorrect display input selected.	<p>Ensure all cables (HDMI, DisplayPort, optional USB power) are securely connected.</p> <p>If using a low-power source device (e.g., PS4, Mac mini, Nintendo Switch), connect the USB power cable to a USB port or power adapter. Nintendo Switch requires its original AC adapter for power.</p> <p>Verify that the correct DisplayPort input is selected on your monitor/display.</p> <p>Try restarting both the source device and the display.</p>
Resolution is not 4K@60Hz.	Source device, display, or DisplayPort cable does not support 4K@60Hz.	<p>Confirm that both your HDMI source device and DisplayPort display support 4K@60Hz resolution.</p> <p>Ensure the DisplayPort cable you are using is rated for 4K@60Hz.</p> <p>Check your source device's display settings to ensure the output resolution is set correctly.</p>
Adapter does not work with my Rog Swift PG278Q or curved monitor.	Known incompatibility with specific gaming monitors.	This adapter is noted to be incompatible with certain gaming monitors like the Rog Swift PG278Q and some curved monitors when used with game consoles. No direct solution for these specific incompatibilities.
No audio output.	Audio settings on source device or display.	<p>Check your source device's audio output settings to ensure audio is being sent via HDMI.</p> <p>Verify that your DisplayPort monitor or connected audio system is configured to receive audio from the DisplayPort input.</p>
Adapter does not work from DisplayPort source to HDMI display.	Unidirectional design.	This adapter is strictly unidirectional, converting signals only from HDMI output to DisplayPort input. It will not work in the reverse direction (DisplayPort source to HDMI display). You would need a different type of adapter for that purpose.

## 6. PRODUCT SPECIFICATIONS

Feature	Detail
Brand	FOINNEX
Model Number	H-DPF
Connector Type	HDMI Male to DisplayPort Female
Signal Direction	Unidirectional (HDMI Source to DisplayPort Display)
Max Resolution Supported	3840x2160 @ 60Hz (4K@60Hz)
HDCP Support	HDCP 2.2 (Note: Does not support Dynamic HDR)

Feature	Detail
Power Requirement	Optional USB power for low-voltage devices
Color	Black
Item Weight	0.247 ounces
Package Dimensions	6.02 x 5.35 x 0.75 inches

## 7. WARRANTY AND SUPPORT

FOINNEX stands behind the quality of its products. This adapter comes with a **24-month warranty** from the date of purchase.

Additionally, a **30-day refund** policy is available for eligible purchases.

For technical support, warranty claims, or any inquiries regarding your FOINNEX product, please contact FOINNEX customer service through the retailer where the product was purchased or visit the official FOINNEX website for contact information.

FOINNEX is committed to providing high-quality products and customer experiences.