SWITCHFLUX DP to 2xHDMI

SWITCHFLUX DisplayPort to Dual HDMI Adapter (DP to 2xHDMI) User Manual

Model: DP to 2xHDMI

INTRODUCTION

This manual provides detailed instructions for the proper installation, operation, and maintenance of your SWITCHFLUX DisplayPort to Dual HDMI Adapter. This device allows you to connect a single DisplayPort source to two HDMI displays, enabling either extended or mirrored display configurations. Please read this manual thoroughly before use to ensure optimal performance and to prevent damage.

IMPORTANT SAFETY INFORMATION

- Ensure all connections are secure before powering on devices.

- Do not expose the adapter to moisture or extreme temperatures.

- Use only the specified Micro USB power cable for optimal performance.

- Avoid using the adapter with docking stations, hubs, or KVM switches, as this may cause compatibility issues.

- This adapter is designed for DisplayPort source devices only. It is not bi-directional.

PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x SWITCHFLUX DisplayPort to Dual HDMI Adapter (DP to 2xHDMI)

- 1 x Micro USB Power Cable (for optional power supply)

PRODUCT OVERVIEW

The SWITCHFLUX DisplayPort to Dual HDMI Adapter is designed to convert a single DisplayPort output from your computer or graphics card into two HDMI outputs. This allows for multi-monitor setups with resolutions up to 4K@60Hz for a single display or 4K@30Hz for dual displays.

Figure 1: SWITCHFLUX DisplayPort to Dual HDMI Adapter. This image shows the main unit with its DisplayPort input cable and two HDMI output ports.

Key Features:

- Supports DisplayPort 1.2 and HDMI 2.0 standards.
- Single HDMI screen resolution up to 4K@60Hz.
- Dual HDMI screen resolution up to 4K@30Hz.
- Plug-and-play operation, no driver installation required.
- Durable aluminum alloy casing for heat dissipation.
- Nylon braided cable and gold-plated connectors for enhanced durability and signal integrity.

SETUP INSTRUCTIONS

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

1. **Identify Ports:** Ensure your source device has a DisplayPort output and your displays have HDMI inputs.

This adapter is unidirectional (DisplayPort source to HDMI display).

2. **Connect DisplayPort:** Plug the DisplayPort male connector of the adapter into the DisplayPort output of your computer or graphics card.

3. **Connect HDMI Displays:** Connect your HDMI cables from your monitors to the two HDMI female output ports on the adapter.

4. **Connect Power (Essential):** Connect the provided Micro USB power cable to the adapter's Micro USB port and to a 5V/1A USB power source (e.g., a USB port on your computer or a USB wall adapter). **This step is crucial for the adapter to function correctly.**

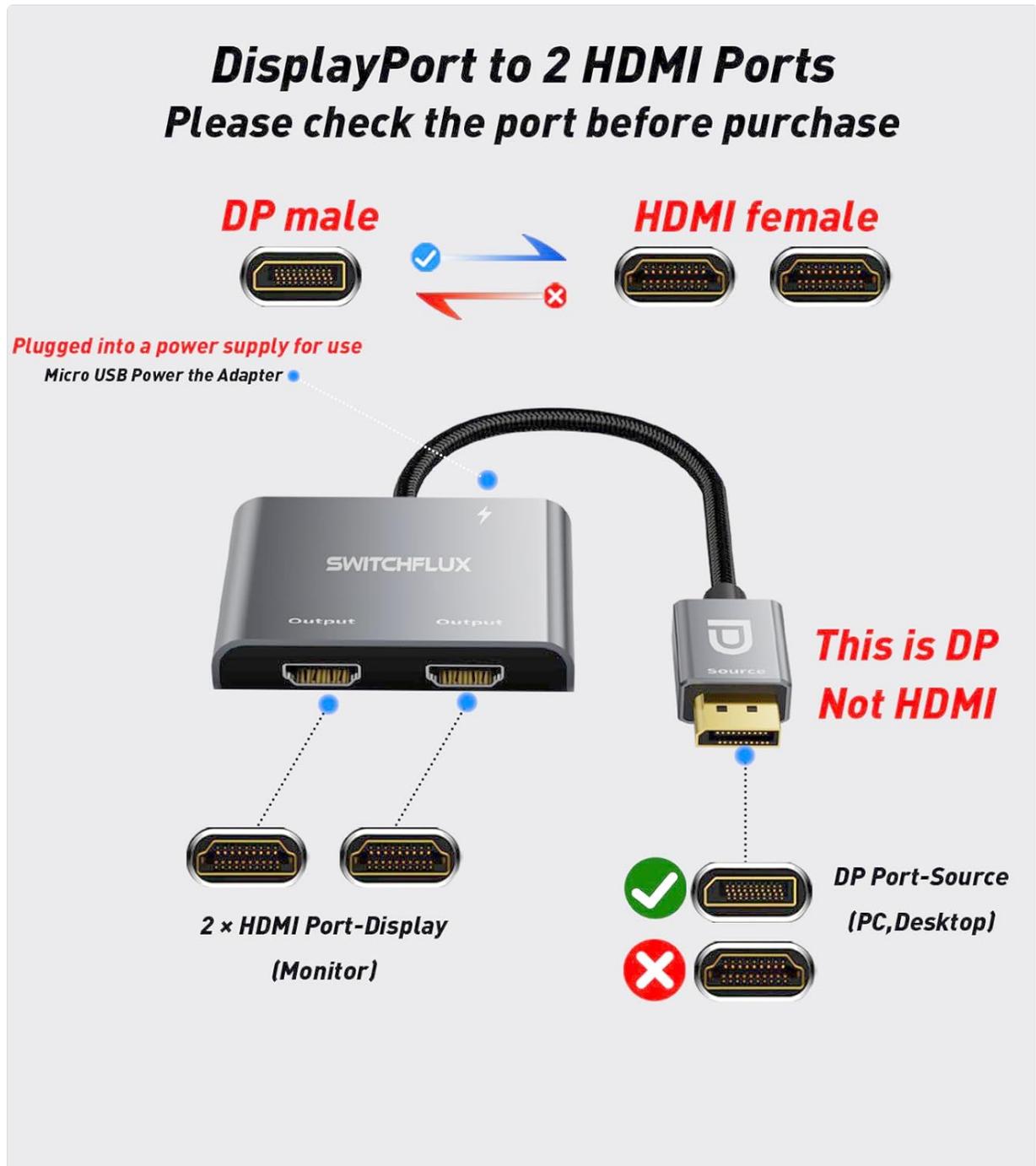5. **Power On:** Power on your computer and connected displays.

Figure 2: Port identification and connection diagram. Illustrates the DP male input, two HDMI female outputs, and the Micro USB power input. Emphasizes that the DP port is for source and HDMI for display.

Figure 3: Example setup showing a computer connected to two monitors via the adapter, demonstrating an extended display configuration. Note the Micro USB power connection.

Note: Ensure your graphics card drivers are up to date for optimal performance and to enable extended display modes.

OPERATING MODES

The adapter supports various display modes, primarily on Windows operating systems. Mac OS is not supported for multi-stream transport (MST) functionalities like extended display.

1. Mirror Mode (Duplicate Display)

In Mirror Mode, both connected HDMI displays will show the same content as your primary DisplayPort source. This is useful for presentations or sharing content across multiple screens.

Configuration: A-A-A (Source display and both HDMI displays show identical content).

Resolution: Supports dual 4K@60Hz in single mirror mode (if source and displays support it).

2. Extended Mode (Non-Mirror Display)

In Extended Mode, each connected HDMI display can show different content, expanding your desktop workspace. This mode is ideal for multitasking and productivity.

Configuration: A-B-C (Source display, HDMI display 1, and HDMI display 2 all show different content).

Resolution: Supports dual 4K@30Hz in dual expansion mode.

Figure 4: Visual representation of Mirror Mode (AAA), Non-Mirror Mode (ABB), and Extended Mode (ABC) configurations. Note that Non-Mirror Mode (ABB) is also a form of extended display where one external monitor mirrors the source and the other extends it.

Important: To achieve 4K resolution, ensure your input device ports are at a minimum of DisplayPort 1.2 and HDMI 2.0 versions, and that your graphics card has sufficient bandwidth to support dual video expansion.

TECHNICAL SPECIFICATIONS

Model	DP to 2xHDMI
Input	1 x DisplayPort Male
Output	2 x HDMI Female
Max Resolution (Single HDMI)	4K@60Hz
Max Resolution (Dual HDMI)	4K@30Hz
Supported Standards	DisplayPort 1.2, HDMI 2.0
Power Input	Micro USB (5V/1A recommended)
Dimensions (L x W x H)	11.81 x 1.96 x 0.39 inches
Item Weight	3.52 ounces
Compatible Devices	PC, Laptops (HP, Lenovo, Dell), Graphics Cards (AMD, NVIDIA) with DisplayPort output.
Incompatible Devices	Apple series (iMac, MacBook/Air, Mac mini), Xbox, PlayStation, Nintendo Switch.

TROUBLESHOOTING

If you encounter issues with your DisplayPort to Dual HDMI Adapter, please refer to the following common solutions:

1. **No Display / Intermittent Signal:**
   - **Check Power:** Ensure the Micro USB power cable is securely connected to the adapter and a reliable 5V/1A power source. This is a common cause of issues.
   - **Verify Connections:** Confirm that the DisplayPort cable from your source and the HDMI cables to your displays are firmly plugged in.
   - **Source Port:** Double-check that you are connecting to a DisplayPort output on your source device, not an HDMI or other port.
   - **Display Input:** Ensure your monitors are set to the correct HDMI input source.

2. **Extended Mode Not Working / Only Mirroring:**
   - **Update Graphics Drivers:** Outdated graphics card drivers can prevent extended display functionality. Update your drivers to the latest version from your graphics card manufacturer's website (e.g., AMD, NVIDIA).
   - **Windows Display Settings:** Access your display settings (Right-click desktop > Display settings) and ensure the "Multiple displays" option is set to "Extend these displays."
   - **Graphics Card Bandwidth:** Verify that your graphics card has sufficient bandwidth to support the

desired resolution and number of displays in extended mode.

- **Mac OS Incompatibility:** Note that this adapter does not support extended display functionality on Mac OS.

3. **Resolution Issues (e.g., not 4K):**

- **Source/Display Compatibility:** Ensure both your source device (DisplayPort output) and your HDMI displays support the desired 4K resolution and refresh rate (e.g., DP 1.2 and HDMI 2.0).
- **Cable Quality:** Use high-quality HDMI cables that support 4K resolution.

4. **Compatibility Issues:**

- **Unsupported Devices:** This adapter is not compatible with Apple devices (iMac, MacBook/Air, Mac mini), Xbox, PlayStation, or Nintendo Switch.
- **Avoid Docking Stations/KVMs:** Do not use this adapter with any docking station, hub, or KVM switch, as it can lead to unpredictable behavior or non-functionality.

CARE AND MAINTENANCE

To ensure the longevity and optimal performance of your adapter, follow these guidelines:

- Keep the adapter clean by wiping it with a soft, dry cloth.
- Avoid exposing the adapter to liquids, dust, or extreme temperatures.
- Do not attempt to disassemble or repair the adapter yourself. This will void the warranty.
- Store the adapter in a cool, dry place when not in use.

WARRANTY AND CUSTOMER SUPPORT

SWITCHFLUX products are designed for reliability and performance. For warranty information or technical assistance, please contact SWITCHFLUX customer support. Our team is dedicated to providing fast and responsible support within 18 hours.
For support, please visit the official SWITCHFLUX store or contact us through the platform where you purchased the product.
Online Store: SWITCHFLUX Amazon Store