Fosmon HD8198

Fosmon 4K HDMI Switch 3 in 1 out
USER MANUAL

1. Introduction

Thank you for choosing the Fosmon 4K HDMI Switch. This device allows you to connect up to three HDMI source devices to a single HDMI display, providing seamless switching between them. It supports 4K@60Hz resolution, HDR, and is compliant with HDMI 2.0 standards, ensuring high-quality video and audio transmission. This manual provides detailed instructions for setup, operation, and troubleshooting to help you get the most out of your HDMI switch.

2. Features

- **4K@60Hz HDR Support:** Supports the latest HDMI 2.0 standards, including HDR and 4K@60Hz for crisp, clear video with vibrant colors.
- **3-in-1-out Connectivity:** Connect up to three HDMI source devices (e.g., PS5/4, Xbox, Fire Stick) to a single HDMI display.
- **Automatic Input Switching:** Intelligently detects when input devices power on or off and automatically switches to the active source.
- **Manual Switching:** A dedicated button allows for manual selection of input sources.
- **Powered from Connected Devices:** Typically powered directly from the HDMI input sources.
- **Optional Micro-USB Power:** Includes a micro-USB port for additional power if needed for certain devices or longer cable runs.
- **Premium Build Quality:** Features a metallic alloy plug and braided outer cable for durability and corrosion resistance.
- **3D Compatible:** Supports 3D video formats.

3. Package Contents

- Fosmon 4K HDMI Switch (Model HD8198)
- Integrated 3ft HDMI Output Cable
- Micro-USB Power Cable (optional use)

4. Product Overview

The Fosmon HDMI Switch is a compact device designed to simplify your home entertainment setup. It features three HDMI input ports, a single HDMI output cable, and a manual switch button with LED indicators for active inputs.

Image: Front view of the Fosmon 4K HDMI Switch, showing the three HDMI input ports, the central selection button, and LED indicators for each input. The integrated HDMI output cable is visible at the top.

Image: Technical drawing illustrating the compact dimensions of the HDMI switch, measuring approximately 3.98 inches (101mm) in width, 3.35 inches (85mm) in depth, and 0.81 inches (20.5mm) in thickness.

Image: The HDMI switch connected to its integrated 3-foot (approximately 0.91 meters) HDMI output cable, highlighting the length and braided design of the cable.

5. Setup

1. **Connect Input Devices:** Plug your HDMI source devices (e.g., game consoles, streaming sticks, Blu-ray players) into the HDMI IN 1, 2, and 3 ports on the Fosmon HDMI Switch.

2. **Connect to Display:** Connect the integrated HDMI output cable from the Fosmon HDMI Switch to an HDMI input port on your TV, monitor, or projector.

3. **Optional Power Connection:** If your connected devices do not provide sufficient power, or if you experience signal instability, connect the included micro-USB power cable to the DC/5V port on the switch and to a USB power source (e.g., a USB wall adapter, TV USB port, or computer USB port).

Optional Power Support

Micro-USB power port for greater compatibility

Before **After**
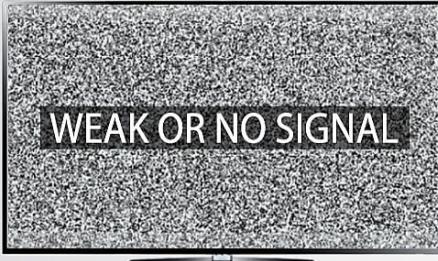
WEAK OR NO SIGNAL

Image: The HDMI switch with an arrow pointing to its micro-USB power input port, illustrating how connecting external power can resolve weak or no signal issues, transforming a static-filled screen into a clear, vibrant image.

4. **Wall Mounting (Optional):** The switch can be wall-mounted using M4 screws or 3M adhesive stickers. Ensure proper alignment for secure installation.
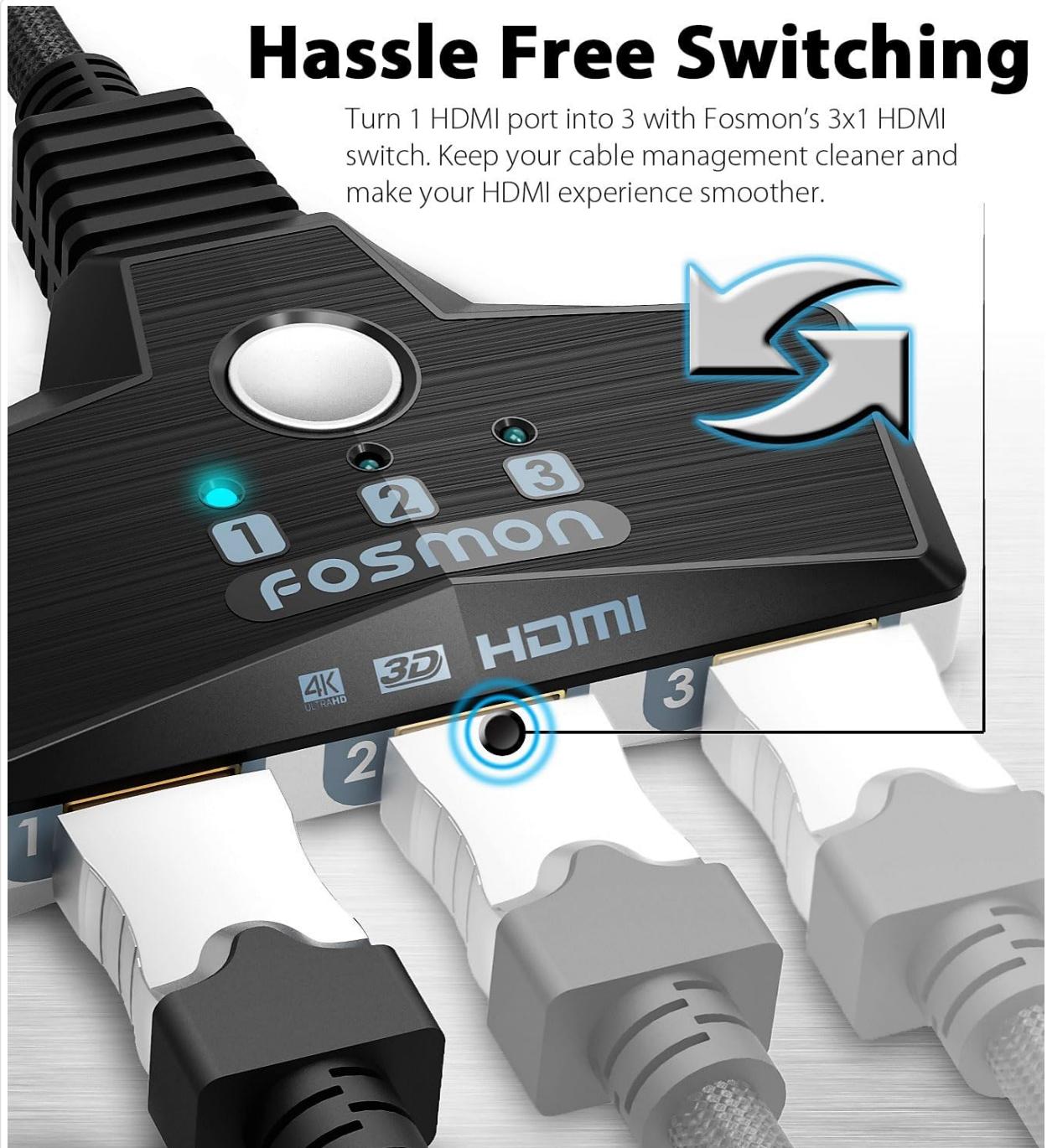
Image: A diagram demonstrating the wall mounting options for the HDMI switch, showing screw holes for M4 screws and indicating the use of 3M adhesive stickers. It also illustrates how the device can be aligned in four different directions for flexible installation.

6. Operation

The Fosmon HDMI Switch offers both automatic and manual switching capabilities.

6.1 Automatic Switching

The switch is designed with intelligent switching. When you power on a connected HDMI source device, the switch will automatically detect the active signal and switch to that input. If multiple devices are powered on, it will typically switch to the most recently activated device.

6.2 Manual Switching

To manually switch between connected devices, press the circular button on the top of the HDMI switch. Each press will cycle through the available HDMI input ports (1, 2, 3). The blue LED indicators will illuminate to show which input

is currently active.

Image: The HDMI switch with arrows indicating the flow of signal from three input devices to one output, highlighting the central button used for manual switching between inputs.

6.3 High-Resolution and 3D Support

This switch supports 4K@60Hz resolution with HDR, providing a superior visual experience. It is also compatible with 3D media, allowing you to enjoy your favorite 3D content.

Supports
4K@60Hz HDR
HDMI 2.0 Standards

Image: The HDMI switch positioned in front of a television displaying a vibrant 4K image, emphasizing its support for 4K@60Hz HDR and compliance with HDMI 2.0 standards.

Image: The HDMI switch in a gaming setup, with a television displaying a 3D game scene, indicating its compatibility with 3D video formats for immersive entertainment.

7. Maintenance

- Keep the device in a dry environment, away from moisture and extreme temperatures.
- Clean the exterior with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Avoid placing heavy objects on the switch or bending the integrated cable excessively.
- Ensure proper ventilation around the device.

8. Troubleshooting

- **No Signal or Flickering Image:**

- Ensure all HDMI cables are securely connected to both the switch and your devices/display.
- Try connecting the optional micro-USB power cable to the switch. Some devices or longer cable runs may require additional power.
- Test with different HDMI cables, as faulty cables can cause signal issues.
- Ensure your display is set to the correct HDMI input.

- **Automatic Switching Not Working:**

  - Ensure the source device is fully powered on and outputting an HDMI signal.
  - Some devices may not provide a consistent power signal through HDMI, affecting auto-switching. Use the manual switch button if auto-switching is unreliable.
  - Try power cycling the source devices and the display.

- **Resolution or HDR Issues:**

  - Verify that all connected devices (source and display) support 4K@60Hz and HDR.
  - Ensure you are using high-speed HDMI cables rated for 4K@60Hz and HDR.

9. Specifications

Attribute	Value
Model Number	HD8198
Product Dimensions	0.81 x 3.98 x 0.81 inches
Item Weight	7.4 ounces
Color	Black or Grey
Connector Type	HDMI
Compatible Devices	Television, PS5/4, Xbox, Fire Stick, etc.
Cable Type	HDMI
Max Resolution Supported	4K@60Hz with HDR
HDMI Standard	HDMI 2.0, HDCP 2.2

10. Warranty and Support

Fosmon stands behind its products with a **Limited Lifetime Warranty**. This warranty covers defects in materials and workmanship under normal use. For warranty claims or technical assistance, please contact our experienced and dedicated USA-based customer service team. Details on how to reach customer support can typically be found on the Fosmon official website or product packaging.