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## avedio links 8K 60Hz 5 to 1

# avedio links 8K HDMI 2.1 Switch 5x1 User Manual

Model: 8K 60Hz 5 to 1

## INTRODUCTION

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The avedio links 8K HDMI 2.1 Switch 5x1 allows you to connect up to five HDMI source devices to a single HDMI display. This device supports high-resolution video up to 8K@60Hz and 4K@60Hz, including HDR and 3D content, ensuring a high-quality audio and video experience. It features both automatic and manual switching options for convenience.

## PACKAGE CONTENTS

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- 1 x avedio links 8K HDMI 2.1 Switch 5x1
- 1 x IR Remote Control
- 1 x USB Power Cable (USB-A to USB-C)
- 1 x User Manual

## PRODUCT OVERVIEW

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Familiarize yourself with the components and ports of your HDMI switch.



Figure 1: Connection Diagram of the HDMI Switch with various devices (PS5, Xbox, Laptop, Switch, TV).

33ft

Select the proper cable, attain optimal display resolution

Resolution	Input Length	Onput Length	AWG
8K	≤1.5m/4.9ft	≤1.5m/4.9ft	26-28AWG
4k@60HZ	≤2m/6.5ft	≤3m/9ft	26-28AWG
4k@30HZ	≤2m/6.5ft	≤3m/9ft	26-28AWG
1080P	≤5m/16ft	≤5m/16ft	26-28AWG

Figure 2: Front and Rear Panel Layout with labeled ports and indicators.

## Key Features:

- **5 HDMI Inputs, 1 HDMI Output:** Connect multiple source devices to one display.
- **8K@60Hz & 4K@60Hz Support:** Delivers high-resolution video for a clear viewing experience.
- **HDMI 2.1 & HDCP 2.3 Compliant:** Ensures compatibility with modern devices and content protection.
- **HDR & 3D Support:** Enhances visual depth and color.
- **Auto & Manual Switching:** Conveniently switch inputs via remote, button, or automatic detection.
- **USB Powered:** Ensures stable performance.

## SETUP INSTRUCTIONS

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Follow these steps to set up your Avedio Links HDMI switch:

1. **Connect Source Devices:** Plug your HDMI source devices (e.g., PS5, Xbox, Blu-ray player, Fire Stick, Laptop) into the HDMI INPUT ports (INPUT 1-5) on the switch using high-quality HDMI 2.1 cables.
2. **Connect Display:** Connect your HDMI display (e.g., TV, monitor, projector) to the HDMI OUTPUT port on the switch using a high-quality HDMI 2.1 cable.
3. **Power On:** Connect the included USB power cable from the DC5V port on the switch to a USB power source (e.g., a USB port on your TV, a USB wall adapter, or a power bank). This ensures stable operation, especially for high-resolution signals.
4. **Power On Devices:** Turn on all connected HDMI source devices and your display.



Figure 3: Correct vs. Incorrect Connection Methods. This is a 5-in-1-out switch, not a splitter.

## OPERATING INSTRUCTIONS

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The HDMI switch offers multiple ways to select your desired input source:

### 1. Manual Switching (Button on Device)

Press the 'Switch' button on the front panel of the device to cycle through the connected HDMI input sources (INPUT 1, INPUT 2, INPUT 3, INPUT 4, INPUT 5).

### 2. Remote Control Switching

Use the included IR remote control to directly select an input. The remote has dedicated buttons for each input (1, 2, 3, 4, 5). Ensure the remote has batteries installed and is pointed towards the IR receiver on the switch.

# Two Methods of Switching

## IR Remote Switch



## Button Switch



Figure 4: Two Methods of Switching: IR Remote Switch and Button Switch.

## 3. Automatic Switching

The switch is designed to automatically detect and switch to an active HDMI source when it is powered on or begins sending a signal. If multiple sources are active, it may prioritize the most recently activated source. Note that some devices may not trigger auto-switching reliably, in which case manual or remote switching should be used.

## MAINTENANCE

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To ensure the longevity and optimal performance of your HDMI switch:

- Keep the device in a cool, dry place, away from direct sunlight, heat sources, and moisture.
- Clean the device with a soft, dry cloth. Do not use liquid or aerosol cleaners.
- Avoid placing heavy objects on top of the switch.
- Ensure proper ventilation around the device.
- Do not attempt to disassemble or repair the unit yourself. Refer to qualified service personnel.

## TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No video/audio output	Loose cable connections No power to switch Incorrect input selected Source device not active Incompatible HDMI cable	Ensure all HDMI cables are securely connected. Verify the USB power cable is connected and receiving power. Manually select the correct input using the button or remote. Ensure the source device is powered on and outputting a signal. Use certified HDMI 2.1 cables, especially for 8K content.
Flickering or unstable image	Long or low-quality HDMI cables Insufficient power Signal interference	Use shorter, high-quality HDMI 2.1 cables. Refer to cable length guidelines in specifications. Ensure the USB power cable is connected to a stable power source. Try moving the switch away from other electronic devices.
Remote control not working	Dead batteries Obstruction to IR receiver Incorrect aiming	Replace batteries in the remote control. Ensure a clear line of sight between the remote and the switch's IR receiver. Point the remote directly at the switch.
Auto-switching not functioning	Source device behavior Multiple active sources	Some source devices may not reliably trigger auto-switching. Use manual or remote switching. If multiple sources are active, the switch may not know which to prioritize. Deactivate unused sources or switch manually.

## SPECIFICATIONS

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- **HDMI Version:** HDMI 2.1
- **HDCP Version:** HDCP 2.3
- **Input Ports:** 5 x HDMI
- **Output Ports:** 1 x HDMI
- **Supported Resolutions:** 8K@60Hz, 4K@60Hz, 1080P, and lower resolutions
- **Features:** HDR, 3D, Auto-switching
- **Bandwidth:** Up to 48Gbps (for 8K@60Hz), supports 18Gbps for stable signal transmission
- **Power Supply:** DC 5V (via USB-C port)
- **Compatible Devices:** PS3, PS4, PS5, Xbox, Fire TV Stick 4K, Blu-ray Player, TV, PC, Projector, Apple TV, Laptop, Roku, Nintendo Switch
- **Color:** Black

### Recommended HDMI Cable Lengths:

Resolution	Input Length (Max)	Output Length (Max)	AWG (Gauge)
8K	≤1.5m / 4.9ft	≤1.5m / 4.9ft	26-28AWG
4K@60Hz	≤2m / 6.3ft	≤3m / 9ft	26-28AWG
4K@30Hz	≤2m / 6.3ft	≤3m / 9ft	26-28AWG
1080P	≤5m / 16ft	≤5m / 16ft	26-28AWG

Note: Using certified Ultra High Speed HDMI cables is recommended for optimal performance, especially with 8K resolutions and longer cable runs.

## WARRANTY AND SUPPORT

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This avedio links product comes with a **1-year warranty** from the date of purchase. If you experience any issues or require technical assistance, please contact avedio links customer support through the retailer where the product was purchased or visit the official avedio links website for support resources.