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## avedio links 8K@60Hz

# avedio Links 8K HDMI 2.1 Bi-Directional Switcher Splitter User Manual

Model: 8K@60Hz

## 1. INTRODUCTION

The avedio Links 8K HDMI 2.1 Bi-Directional Switcher Splitter is designed to enhance your multimedia setup by providing flexible connectivity for multiple HDMI devices. This device supports ultra-high-definition video resolutions and high refresh rates, ensuring a smooth and immersive viewing experience. It can operate in two primary modes: as an HDMI switcher (2 inputs to 1 output) or as an HDMI splitter (1 input to 2 outputs, non-simultaneous display).

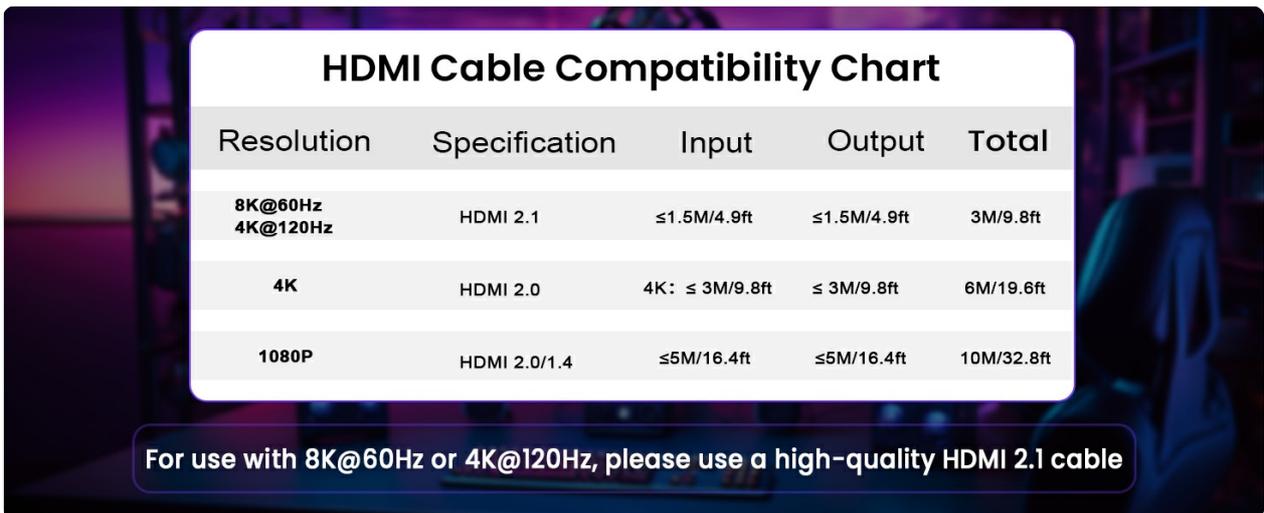


Figure 1: Overview of the avedio Links 8K HDMI 2.1 Bi-Directional Switcher Splitter in a typical gaming setup.

## 2. KEY FEATURES

- **Bi-Directional Functionality:** Operates as a 2-in-1-out HDMI switcher (connecting two sources to one display) or a 1-in-2-out HDMI splitter (connecting one source to two displays, displaying on one at a time).
- **8K Ultra-High-Definition:** Supports 8K@60Hz and 4K@144Hz/120Hz/60Hz resolutions, with backward compatibility.
- **High Refresh Rates:** Delivers smooth visuals with support for 4K@144Hz and 4K@120Hz, ideal for gaming.
- **Advanced Video Technologies:** Compatible with VRR (Variable Refresh Rate), Dynamic HDR, HDCP 2.3, and Dolby Vision for enhanced picture quality.
- **High Bandwidth:** Features 48Gbps HDMI 2.1 for ultra-fast video transfer.
- **Durable Construction:** Crafted from aluminum alloy for longevity.
- **Easy Operation:** Supports manual button switching and remote control.
- **Plug and Play:** No external drivers or software installation required.
- **No External Power Required:** Draws power directly from the HDMI source, eliminating the need for an additional USB power cable in most setups.

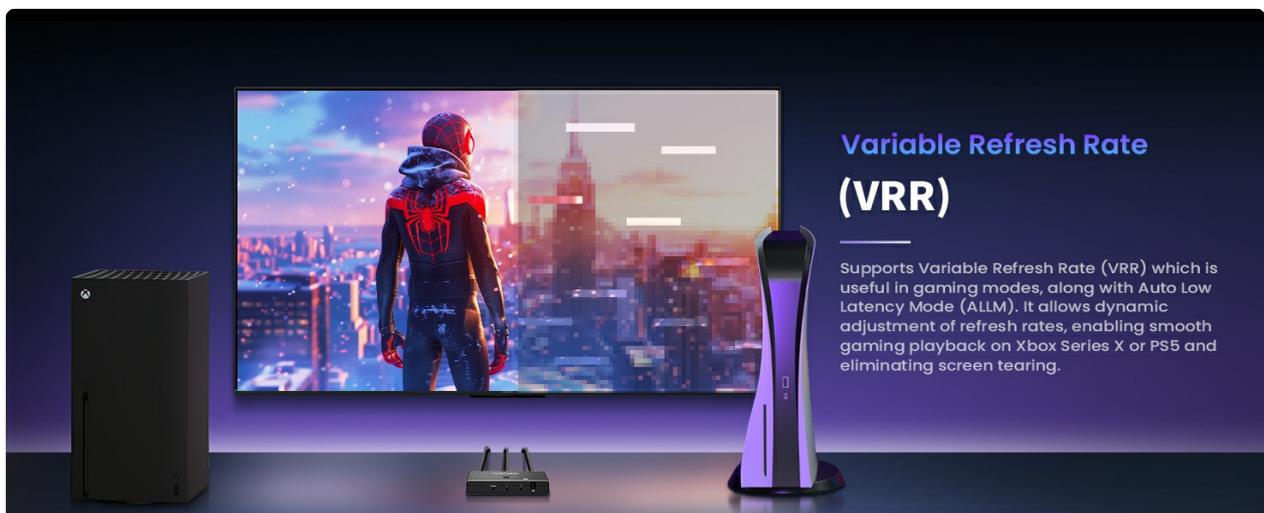


Figure 2: The HDMI 2.1 standard provides 48Gbps bandwidth for ultra-fast video transfer.

## Trouble Shooting Tips

**Q: Only 1 monitor display, second monitor was blurry or not display.**  
**A:**As splitter, only ONE SCREEN can display at the same time.

**Q:Not working/no output?**  
**A:**Please check whether the signal indicator is on. If the signal light does not light up, please try to connect more than 2 input source devices and keep them all on

**Q:Black screen, flickering, and signal drop when using our products?**  
**A:**Please check whether the HDMI cable you are using supports 8K resolution. We recommend using the standard HDMI 2.1 version of the cable, and the product input and output of the cable length does not exceed 1.5M.

**Q:Cannot displayed 4K@120Hz or 8K@60Hz?**  
**A:**① Please check whether your input device, output device and HDMI cable support 4K @ 120Hz or 8K @ 60Hz.  
 ②Please try to replace the standard HDMI 2.1 version of the HDMI cable, and the length of the product input and output lines does not exceed 1.5M.

**Q:What's the length of the line it supports?**  
**A:**8K resolution within 1.5 meters (4.9 ft), 4K resolution within 3 meters (9.8 ft). 1080P resolution within 5 meters (16.4 ft)

**Note:**When connecting input and output devices to display, our product has 3 seconds delay, which is normal.

Figure 3: The device typically does not require external power, drawing it from the HDMI source.

### 3. SETUP INSTRUCTIONS

Follow these steps to set up your avedio Links HDMI Switcher Splitter:

1. **Identify Connection Mode:** Determine whether you need to use the device as a switcher (2 inputs, 1 output) or a splitter (1 input, 2 outputs).
2. **Connect HDMI Cables:**
  - **Switcher Mode (2 Inputs, 1 Output):** Connect your two HDMI source devices (e.g., PS5, Xbox) to the 'INPUT 1' and 'INPUT 2' ports on the switcher. Connect your display device (e.g., TV, monitor) to the 'OUTPUT' port.
  - **Splitter Mode (1 Input, 2 Outputs):** Connect your single HDMI source device (e.g., laptop) to the 'OUTPUT' port. Connect your two display devices (e.g., TV, projector) to the 'INPUT 1' and 'INPUT 2' ports. *Note: Only one display will show the signal at a time in splitter mode.*
3. **Power Connection (Optional):** The device is designed to draw power from the HDMI source. If your source device does not provide sufficient power, or if you experience signal instability, connect a 5V DC USB power cable (not included) to the DC 5V port on the switcher.
4. **Connect IR Receiver (for Remote Control):** Plug the IR receiver cable into the 'IR' port on the switcher. Position the IR receiver in a location where it has a clear line of sight to your remote control.



Figure 4: Connection diagram for Switcher Mode (2 Inputs, 1 Output).



Figure 5: Connection diagram for Splitter Mode (1 Input, 2 Outputs). Note: Only one screen displays at a time.

## 4. OPERATING INSTRUCTIONS

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The avedio Links HDMI Switcher Splitter offers two convenient methods for switching between connected devices:

### 4.1. Manual Switching

Press the 'Select' button located on the top of the device to cycle through the connected HDMI inputs/outputs. The LED indicators will show which port is currently active.



Figure 6: Manual 'Select' button on the device.

### 4.2. Remote Control Switching

Use the included remote control to switch between inputs/outputs from a distance. Ensure the IR receiver is properly connected and has a clear line of sight to the remote.



Figure 7: Both manual and remote control switching options are available.

## 5. MAINTENANCE

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To ensure optimal performance and longevity of your avedio Links HDMI Switcher Splitter, follow these maintenance guidelines:

- Keep the device in a cool, dry place away from direct sunlight and heat sources.
- Avoid exposing the device to moisture or liquids.
- Clean the device with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure all cable connections are secure to prevent signal loss or interference.

## 6. TROUBLESHOOTING

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If you encounter issues with your HDMI Switcher Splitter, refer to the following troubleshooting tips:

**Q: Only 1 monitor displays, second monitor is blurry or not displayed.**

A: As a splitter, only ONE SCREEN can display at the same time.

**Q: Not working/no output?**

A: Please check whether the signal indicator is on. If the signal light does not light up, please try to connect more than 2 input source devices and keep them all on.

**Q: Black screen, flickering, and signal drop when using our products?**

A: Please check whether the HDMI cable you are using supports 8K resolution. We recommend using a standard HDMI 2.1 version of the cable, and the product input and output cable length does not exceed 1.5M.

**Q: Cannot display 4K@120Hz or 8K@60Hz?**

- A: 1. Please check whether your input device, output device, and HDMI cable support 4K @ 120Hz or 8K @ 60Hz.
- 2. Please try to replace the standard HDMI 2.1 version of the HDMI cable, and the length of the product input and output lines does not exceed 1.5M.

**Q: What's the length of the line it supports?**

A: 8K resolution within 1.5 meters (4.9 ft). 4K resolution within 3 meters (9.8 ft). 1080P resolution within 5 meters (16.4 ft).

**Note:** When connecting input and output devices to display, our product has a 3-second delay, which is normal.



Figure 8: HDMI Cable Compatibility Chart for optimal performance.

## 7. SPECIFICATIONS

Feature	Specification
Product Dimensions	1.97 x 1.18 x 0.47 inches

Item Weight	2.82 ounces
Model Number	8K@60Hz (based on product title and features)
Color	Dark Black
Connector Type	HDMI
Compatible Devices	PS5/4 Pro, Nintendo Switch, Apple TV, Fire Stick, Roku, DVD, Laptop, TV, Projector, Monitor, VR
Cable Type	HDMI
Max Resolution Support	8K@60Hz, 4K@144Hz/120Hz/60Hz, 1080P@240Hz
Bandwidth	48Gbps
HDMI Version	HDMI 2.1 (backward compatible)

## 8. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the product packaging or contact avedio Links customer service directly. Keep your purchase receipt for warranty claims.