avedio links B08HYGSDB

avedio links HDMI Splitter 4K@60Hz User Manual
Model: B08HYGSDB

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1. INTRODUCTION

This manual provides detailed instructions for the avedio links HDMI Splitter 4K@60Hz (1 in 2 Out). This device is designed to duplicate a single HDMI input signal to two HDMI displays simultaneously, providing a mirrored video and audio output without any loss of quality. It supports high-resolution content up to 4K@60Hz, including 3D, Dolby Vision, and Atmos, making it suitable for various home entertainment and professional applications.

Image: The avedio links HDMI Splitter, a compact black device with an HDMI input cable and two HDMI output ports.

2. KEY FEATURES

- **HDMI 2.0b Compliance:** Supports HDMI 2.0b standards for high-bandwidth content.

- **4K@60Hz Resolution:** Delivers stunning video quality up to 3840x2160 at 60Hz.

- **1 in 2 Out Mirroring:** Duplicates one HDMI source to two displays, showing identical content. **Note:** This device does not support extended display mode.

- **HDCP 2.2 Support:** Compatible with the latest content protection standards.

- **High Bandwidth:** Supports up to 18.5Gbps bandwidth for smooth transmission.

- **Auto Downscaling:** Automatically downscales 4K input to 1080p output for displays that do not support 4K, allowing mixed 4K and 1080p display setups. (Note: Does not support downscaling from 4Kx2K@60Hz 4:2:2 to 1080P).

- **Audio Support:** Supports 3D, Dolby Vision, and Atmos. (Note: Does not support ARC/eARC or direct connection

to audio-only devices like soundbars).

- **Deep Color:** Supports 30/36-bit deep color.

- **Broad Compatibility:** Works with various HDMI source devices (PS3/4/5, Xbox, PC, Laptop, Roku, DVD, Blu-ray player, Apple TV, Fire Stick) and display devices (TV, Monitor, Projector).

Copy Same Screen to different Rooms
(Not support extended display)

Living room

Bedroom

SPLITTER HDMI HIGH DEFINITION MULTIMEDIA INTERFACE AvedioLinks

TYPE-C | Input

HDMI 2.0 Cable (AWG 26) Length

Resolution	Input	Output	Total
4K	≤5m / 16ft	≤5m / 16ft	≤10m / 32ft
1080P	≤10m / 32.8ft	≤10m / 32.8ft	≤20m / 65.6ft

Image: Visual representation of unsupported features, including extended display, ARC/eARC, direct audio device connection, and 2-in-1 switching.

3 Steps
plug and play

01 Step
Plug in output device like TV, monitor by HDMI 2.0 cable.

02 Step
Plug in input source like PC by HDMI 2.0 cable.

5V 1A

03 Step
For a more stable signal, connect the USB power cable to a wall outlet using a 5V 1A adapter.

⚠️ Avoid using converters between the splitter and input/output devices. If needed, contact the seller before purchase to ensure compatibility.

Image: Illustration of the auto downscaling feature, showing a 4K@60Hz input being displayed on both a 4K monitor and a 1080p monitor, with the 1080p monitor automatically receiving a downscaled signal.
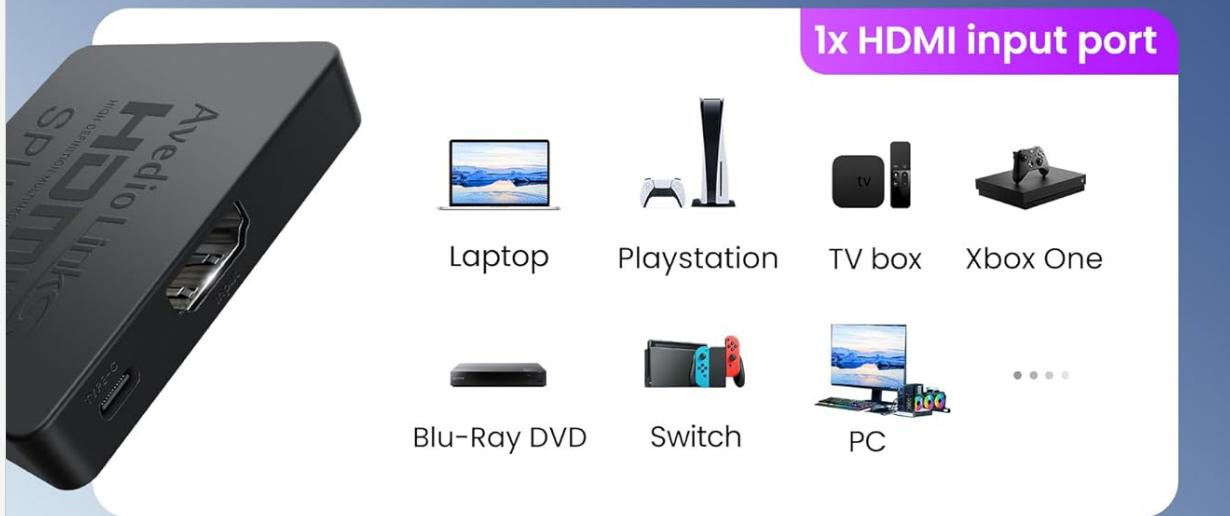
3. SETUP GUIDE

Follow these simple steps to set up your avedio links HDMI Splitter:

1. **Connect Output Devices:** Plug your HDMI display devices (TV, monitor, projector) into the HDMI output ports (Output 1 and Output 2) of the splitter using HDMI 2.0 cables.

2. **Connect Input Source:** Plug your HDMI input source device (PC, PS5, Xbox, etc.) into the HDMI input port of the splitter using an HDMI 2.0 cable.

3. **Connect Power:** For stable operation, connect the included USB power cable to the splitter and then to a 5V 1A wall adapter (included).

Important Note: Avoid using converters between the splitter and your input/output devices. If you encounter compatibility issues, contact the seller for assistance.

Image: Step-by-step visual guide showing how to connect output devices, input source, and power to the HDMI splitter.

4. OPERATING INSTRUCTIONS

Once all connections are made and the splitter is powered on, the device will automatically detect the input signal and duplicate it to both connected displays. The splitter operates in a 'mirror only' mode, meaning both output displays will show identical content from the single input source.

Supported Applications:

- Home Entertainment (e.g., sharing a movie from one player to two TVs)

- Presentations (e.g., displaying content on a projector and a monitor simultaneously)
- Digital Signage
- Educational Settings
- Events and Exhibitions

Image: Various scenarios where the HDMI splitter can be used, such as home entertainment, digital signage, presentations, events, and education.

5. MAINTENANCE

To ensure the longevity and optimal performance of your HDMI splitter, follow these general maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosols.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Handling:** Handle the device and cables with care to avoid damage to ports and connectors.
- **Ventilation:** Ensure the device has adequate ventilation and is not covered, to prevent overheating.

6. TROUBLESHOOTING GUIDE

If you encounter issues with your HDMI splitter, refer to the solutions below:

Troubleshooting Guide

Q: Audio Output Failure, how to set?

A: If the laptop is connected to the splitter but there is no sound: Go to Settings > System (Display,Audio, Notification, Power)> Audio> Select output audio device.
If connected DVD player, try setting the audio format of the input source to PCM mode.

Q: Only one screen is working properly, how to set?

A: Because the resolution of the 2 monitors is inconsistent, adjust the resolution of the input source to the lowest monitor's resolution.

Q: The screen always flicker, signal cut in and off , what should I do?

A: 1. Connect power adapter to supply enough power; 2. Use HDMI 2.0 AWG 26 or higher version HDMI cable, for 4K output, cable length ≤5m/16ft; for 1080P output, cable length ≤10m/32.8ft.

Q: The HDMI splitter is not working, and there is no signal. How to set?

A: ① Check if the power adapter is connected properly. Use a 5V/1A power adapter or try a new one.
②Make sure the input device is connected to the input port, and the display is connected to the output port.
③ Set the resolution of the input source to 1080p.
④ Use an HDMI 2.0 AWG 26 cable, and keep the cable length within 3 meters (9.8 ft).
⑤ If using a computer, check the display settings to ensure the external monitor is recognized.Set the display mode to mirror.

Q:It supports auto video scaling/ downscale?

A:Yes, if monitor 1 support up to 4K, the monitor 2 support up to 1080P, input source support 4K, monitor 2 will downscale to 1080P automatically. Monitor 1 will shows 4K.
Note: 1. Auto video scaling / downscale function doesn't support DVI monitor.
2.PC or the input source not have automatic resolution, it not support downgrade .
3.As long as one display doesn't support HDR, Dolby Atmos, Dolby Vision, etc., it can't achieve downgraded. Also, Hertz (HZ) will not change either.
4.Not support resolution downscale from 4Kx2K@60Hz 4:2:2 to 1080P.

Image: A detailed troubleshooting chart addressing common issues like audio output failure, only one screen working, screen flickering, and no signal.

Common Issues and Solutions:

- **No Signal / HDMI Splitter Not Working:**

  - Check if the power adapter is correctly connected and providing 5V/1A. Try a different power source if available.
  - Ensure all HDMI cables are securely connected to the correct input and output ports.
  - Set the resolution of the input source to 1080p to test basic functionality.
  - Use high-quality HDMI 2.0 AWG 26 cables. For 4K output, cable length should be ≤16ft. For 1080P output, cable length should be ≤32.8ft.
  - If using a computer, check display settings to ensure the external monitor is recognized and set to mirror mode.

- **Audio Output Failure:**

  - If connected to a laptop, go to *Settings > System > Display > Audio > Notification > Power* and select the correct audio output device.
  - If using a DVD player, try setting the audio format of the input source to PCM mode.

- **Only One Screen Working Properly:**

  - This often occurs due to inconsistent resolutions between the two monitors. Adjust the resolution of the input source to the lowest monitor's resolution.

- **Screen Flickers / Signal Cut In and Out:**

  - Ensure the power adapter supplies sufficient power.
  - Use high-quality HDMI 2.0 AWG 26 or higher version HDMI cables. Adhere to recommended cable lengths (≤16ft for 4K, ≤32.8ft for 1080P).

- **Does it support auto video scaling/downscale?**

  - Yes, if one monitor supports 4K and the other 1080p, the input source will display 4K on the 4K monitor, and the 1080p monitor will automatically downscale.
  - Auto video scaling/downscale function does not support DVI monitors.
  - If the PC or input source does not have automatic resolution, it will not downgrade.
  - As long as the display doesn't support HDR, Dolby Atmos, Dolby Vision, etc., it cannot be downgraded. Also, Hertz (Hz) will not change either.
  - Does not support resolution downscale from 4Kx2K@60Hz 4:2:2 to 1080P.

7. PRODUCT SPECIFICATIONS

Attribute	Value
Model Number	B08HYGSDB
Product Dimensions	7.8 x 7.5 x 0.98 inches
Item Weight	3.52 ounces
Supported Resolution	Up to 4K@60Hz (3840x2160), 1080P/60Hz/120Hz
HDMI Version	HDMI 2.0b
HDCP Version	HDCP 2.2
Bandwidth	18.5Gbps
Color Depth	30/36-bit Deep Color
Color Space	RGB 4:4:4
Power Supply	5V 1A (via USB cable)
Connector Type	HDMI

8. WARRANTY AND SUPPORT

For any product inquiries, technical support, or warranty claims, please contact avedio links customer service. Refer to the product packaging or the official avedio links website for the most current contact information.
You can also visit the official **avedio links Store on Amazon** for more information and support resources.
A digital version of the user manual is also available for download: **User Manual (PDF)**