

## avedio links 4K@60Hz

# avedio links 4K@60Hz HDMI Audio Extractor Converter User Manual

Model: 4K@60Hz

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your avedio links 4K@60Hz HDMI Audio Extractor Converter. This device is designed to extract digital audio from an HDMI input source and output it via optical SPDIF or RCA L/R stereo audio, while simultaneously passing the original HDMI video and audio signal to an HDMI display. It is ideal for integrating modern HDMI sources with older audio systems or for separating audio for specific applications.

## 2. PRODUCT FEATURES

- Supports HDMI 2.0 and HDCP 2.2.
- Video resolution support up to 4K@60Hz, Full HD 1080P, and 3D.
- Supports 36-bit deep color.
- Audio output options: Optical SPDIF and RCA L/R stereo.
- Supports audio formats: DTS-HD, Dolby-trueHD, LPCM7.1, DTS, Dolby-AC3, DSD.
- Three Audio EDID settings: PASS, 2CH, 5.1CH.
- Compatible with various HDMI source devices such as Blu-ray players, DVD players, HD players, cable/satellite boxes, Amazon Fire TV, Apple TV, PS3/PS4/PS5, Xbox, PCs/laptops, HD cameras, Fire Stick, and Roku.
- Compatible with HDMI output devices like Full HD TVs, monitors, and projectors.
- Audio output compatible with speakers, amplifiers, soundbars, and other sound systems.
- **Note:** This device does not support the Audio Return Channel (ARC) function.

## 3. PACKAGE CONTENTS

Please verify that all items are present in the package:

- avedio links 4K@60Hz HDMI Audio Extractor Converter ×1
- 5V/1A DC Power Adapter ×1
- User Manual ×1

# PACKING DIAGRAM



4K@60HZ HDMI Audio Extractor



5V/1A DC Power Adaptor



User Manual

✓ **Support 4K@60Hz / Support 3D / HDCP 2.2 / HDMI 2.0**

✓ **HDMI Resolution**

4K @60hz/ 3D/ 1080p/ 1080i/ 720p/ 576p/ 576i/ 480p/ 480i

✓ **Audio Format**

DTS-HD/ Dolby-true HD/ LPCM7.1/ DTS/ Dolby-AC3/ DSD

Image 3.1: Contents of the product package, showing the HDMI audio extractor, power adapter, and user manual.

## 4. PRODUCT OVERVIEW

The avedio links HDMI Audio Extractor Converter features clearly labeled ports and indicators for easy setup and operation.



Image 4.1: Front and back view of the Avedio Links HDMI Audio Extractor Converter.

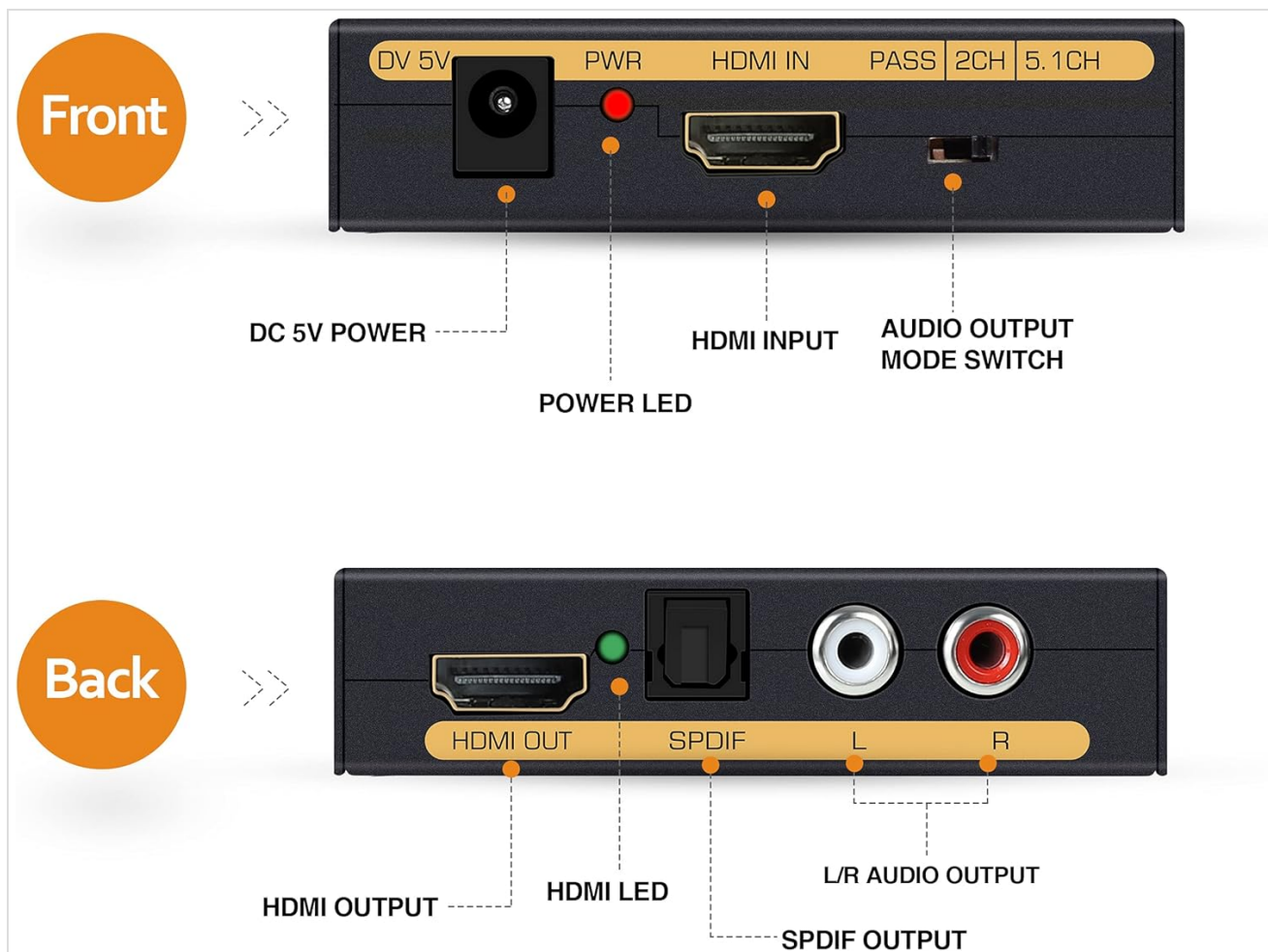


Image 4.2: Detailed port diagram of the converter.

### Port Descriptions:

- **DC 5V:** Power input port.
- **PWR LED:** Power indicator light.
- **HDMI IN:** Connect to your HDMI source device (e.g., Blu-ray player, game console).
- **AUDIO OUTPUT MODE SWITCH:** Selects the desired audio output mode (PASS, 2CH, 5.1CH).
- **HDMI OUT:** Connect to your HDMI display (e.g., TV, monitor, projector).
- **HDMI LED:** HDMI signal indicator light.
- **SPDIF:** Optical digital audio output port.
- **L/R AUDIO OUTPUT:** RCA stereo analog audio output ports (Left and Right).

## 5. SETUP INSTRUCTIONS

Follow these steps to connect your HDMI Audio Extractor Converter:

1. **Connect HDMI Source:** Use an HDMI cable to connect your HDMI source device (e.g., PS5, Fire TV, Blu-ray player) to the **HDMI IN** port on the converter.
2. **Connect HDMI Display:** Use an HDMI cable to connect your HDMI display (e.g., HDTV, monitor, projector) to the **HDMI OUT** port on the converter.
3. **Connect Audio Output:**
  - For digital audio, connect an optical cable from the **SPDIF** port on the converter to your audio receiver, soundbar, or amplifier.
  - For analog stereo audio, connect RCA L/R cables from the **L/R AUDIO OUTPUT** ports on the converter

to your stereo amplifier or speakers.

4. **Connect Power:** Connect the provided 5V/1A DC power adapter to the **DC 5V** port on the converter, then plug the adapter into a power outlet. The PWR LED will illuminate.
5. **Select Audio Mode:** Adjust the **AUDIO OUTPUT MODE SWITCH** to your desired setting (PASS, 2CH, or 5.1CH) based on your audio system and source content. Refer to Section 6 for details on audio modes.



Image 5.1: Typical connection diagram for the HDMI Audio Extractor Converter.

## 6. OPERATING INSTRUCTIONS: AUDIO MODES

The converter offers three audio output modes, selectable via the switch on the device:



# HDMI AUDIO CONVERTER

## SUPPORT 5.1CH AUDIO CHANNEL

Let's enjoy the excellent watching experience

4K  
60HZ

HDCP  
2.2

HDMI  
2.0



Image 6.1: Explanation of the three audio EDID settings.

- **PASS Mode:**

In this mode, the SPDIF and L/R audio output formats are determined by the EDID (Extended Display Identification Data) of the connected HDMI display. The HDMI output will pass through the original audio, including 7.1 channel audio if supported by the source and display. When 7.1 audio is passed through HDMI, the L/R and SPDIF outputs will be muted.

- **2CH Mode:**

When set to 2CH, both the SPDIF and L/R audio outputs will provide LPCM 2-channel stereo audio. If you are using the L/R analog output, ensure your audio input source is set to output LPCM audio format.

- **5.1CH Mode:**

This mode enables 5.1-channel audio output via the SPDIF port. For this to function correctly, the audio source must be providing a 5.1-channel audio signal (e.g., Dolby Digital, DTS 5.1). The L/R analog output will not provide 5.1-channel audio.

### Important Considerations:

- If your HDMI display is a projector or DVI monitor, you may need to set the audio mode to 2CH or 5.1CH according to your AV receiver's specifications.

- If your speaker system supports optical input but does not support Dolby or DTS source code, you will need to set the source audio output to PCM format.

## 7. CONNECTION EXAMPLES

### 7.1 Home Entertainment Setup

Please don't plug HD TV to HDMI INPUT of converter!



**Audio separation function**  
Three kinds of optional audio mode

**Audio and video synchronically output and separately extract audio to enjoy the visual impact**



#### 3 Audio EDID Settings

**PASS**

When switch to "PASS" position, the SPDIF and L/R output audio format depends on the TV EDID.

**2CH**

When switch to "2CH" position, the SPDIF and L/R output audio format is PASS LPCM 2CH.

**5.1CH**

When switch to "5.1CH" position, the SPDIF output audio format is 5.1CH (the source audio must be 5.1CH).

Image 7.1: Example of the converter in a home entertainment setup.

This setup demonstrates connecting various HDMI sources (like a laptop or a media player) to a TV while simultaneously routing the audio to a dedicated amplifier and speaker system for enhanced sound quality.

### 7.2 Gaming Setup

## 4K@60HZ High Resolution, More Realistic Picture

Audio and Video Output Synchronously



Image 7.2: Example of the converter in a gaming setup.

For gamers, this converter allows connecting a game console (e.g., PS4) to a TV for video, while extracting audio to headphones or a separate sound system for an immersive gaming experience.

### 7.3 Audio Extraction Without a TV



# AUDIO EXTRACT FUNCTION

**Note:** Do not need hook up a TV, you can also extract the audio from HDMI input source.



Image 7.3: Audio extraction function without a connected TV.

The converter can extract audio from an HDMI input source even without connecting the HDMI OUT port to a TV. This is useful for scenarios where only audio is required, such as connecting a media player to a sound system.

## 8. SPECIFICATIONS

Feature	Specification
HDMI Version	HDMI 2.0
HDCP Version	HDCP 2.2
Video Resolution	Up to 4K@60Hz, 1080P, 3D
Deep Color Support	36-bit
Supported Audio Formats	DTS-HD, Dolby-trueHD, LPCM7.1, DTS, Dolby-AC3, DSD
Audio Output Modes	PASS, 2CH, 5.1CH

Feature	Specification
Audio Output Ports	Optical SPDIF, RCA L/R Stereo
Power Supply	DC 5V/1A
Product Dimensions (L x W x H)	3.94 x 1.97 x 1.18 inches (10 x 5 x 3 cm)
Item Weight	6 ounces (170 grams)

## 9. TROUBLESHOOTING

If you encounter issues, please refer to the following troubleshooting steps:

### 1. No Video or Unstable Signal:

- Ensure all HDMI cables are securely connected.
- Verify that the HDMI cables used are standard HDMI 2.0 and are of good quality (AWG26-28).
- Keep HDMI cable lengths within 3 meters for optimal performance, especially for 4K@60Hz signals.
- Try connecting the HDMI source directly to the display to rule out issues with the source or display.

### 2. No Audio or Incorrect Audio Format:

- Check the **AUDIO OUTPUT MODE SWITCH** setting (PASS, 2CH, 5.1CH) on the converter. Ensure it matches your audio system's capabilities and the source audio format.
- If using L/R stereo output, ensure the source device's audio output is set to LPCM stereo.
- If using SPDIF for 5.1CH, confirm that the source is outputting a 5.1-channel signal (e.g., Dolby Digital, DTS) and your audio receiver supports it.
- Verify that your audio receiver/soundbar is set to the correct input source and audio decoding mode.
- Ensure all audio cables (optical, RCA) are securely connected.
- Remember, this device does not support ARC (Audio Return Channel).

### 3. Power Indicator (PWR LED) Not On:

- Ensure the 5V/1A DC power adapter is correctly plugged into the converter and a working power outlet.
- Try a different power outlet or power adapter if available.

## 10. MAINTENANCE

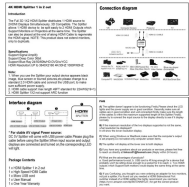





To ensure the longevity and optimal performance of your converter:

- Keep the device in a cool, dry place, away from direct sunlight, heat sources, and moisture.
- Do not expose the device to water or other liquids.
- Clean the device with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- Avoid dropping or subjecting the device to strong impacts.
- Do not attempt to open or modify the device, as this will void the warranty and may cause damage.

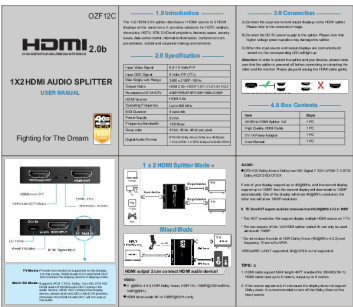
## 11. WARRANTY AND SUPPORT

avedio links products are designed for reliability and performance. For any questions, technical assistance, or warranty claims, please contact avedio links customer support. Refer to the product packaging or the official avedio links website for contact information.

Related Documents - 4K@60Hz

	<p><a href="#">4K HDMI Splitter 1 in 2 Out: Duplicate Displays with High Resolution</a></p> <p>Learn about the 4K HDMI Splitter 1 in 2 Out, its specifications, connection diagram, interface, and FAQs. Easily duplicate your HDMI source to two displays simultaneously with support for 4K resolution.</p>
	<p><a href="#">HDMI 2.0 Matrix 4x4 User Manual - 4K@60Hz, HDR10, Dolby Vision</a></p> <p>User manual for the avedio links HDMI 2.0 Matrix 4x4, detailing setup, specifications, features, and troubleshooting for 4K@60Hz, HDR10, and Dolby Vision content distribution.</p>
	<p><a href="#">Avedio Links HDMI Splitter 4K@60Hz User Manual</a></p> <p>User manual for the Avedio Links HDMI Splitter 4K@60Hz, detailing features, specifications, connection diagrams, and troubleshooting for mirroring screens.</p>
	<p><a href="#">Avedio Links 4K HDMI 2.0b Matrix 4x2 User Manual</a></p> <p>User manual for the Avedio Links 4K@60Hz HDMI 2.0b Matrix 4x2 switcher. This device allows connection of up to four HD signal sources to two HDMI displays, supporting advanced audio formats like Dolby Atmos and Dolby Vision, and high resolutions up to 4K@60Hz.</p>
	<p><a href="#">User Manual: avedio links USB-C to 3 HDMI Adapter for Multiple Monitors</a></p> <p>Comprehensive user manual for the avedio links USB-C to 3 HDMI Adapter, detailing its features, installation, and usage for expanding multiple monitors on Windows and macOS systems with up to 4K@60Hz resolution.</p>
	<p><a href="#">Simplecom CM423v2 HDMI Audio Extractor User Manual - 4K, SPDIF, 3.5mm Stereo</a></p> <p>User manual for the Simplecom CM423v2 HDMI Audio Extractor. Learn how to extract audio from HDMI sources to SPDIF or 3.5mm stereo, supporting 4K resolution and various audio formats. Includes specifications, features, FAQ, and warranty information.</p>

Documents - avedio links – 4K@60Hz



[pdf] User Manual Specifications

cdr Administrator avedio links 4K@60Hz HDMI Splitter 1 in 2 Out 4K for Dual Monitors Duplicate Mirror Screen Only 1x2 Adapter Support Audio Output 3D HDCP2 3 HDR EDID Xbox PS5 User Manual 61SrayErj5L m media amazon images I |||

OZF12C 2.0b HIGH-DEFINITION MULTIMEDIA INTERFACE 1.0 Introduction The 1x2 HDMI 2.0b splitter distributes 1 HDMI source to 2 HDMI displays at the same time. It provides solutions for HDTV retailers, show sites, HDTV, STB, DVD and projectors, factories, space, security issues, data center control, in...

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[\[pdf\]](#) User Manual Troubleshooting Guide Guide

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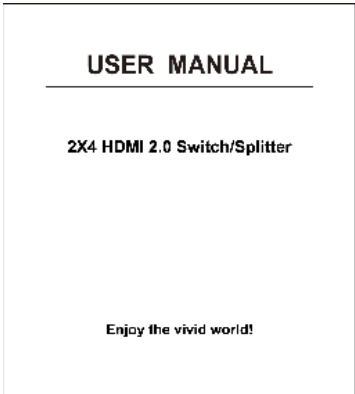
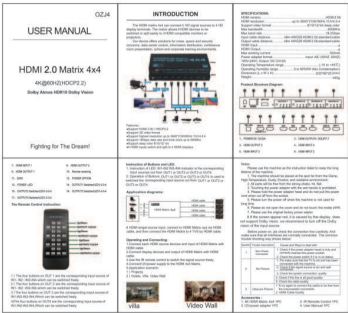
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[HDMI 2.0 Matrix 4x4 User Manual - 4K@60Hz, HDR10, Dolby Vision](#)

User manual for the avedio links HDMI 2.0 Matrix 4x4, detailing setup, specifications, features, and troubleshooting for 4K@60Hz, HDR10, and Dolby Vision content distribution.

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User manual for the Avedio Links HDMI Splitter 4K@60Hz, detailing features, specifications, connection diagrams, and troubleshooting for mirroring screens. lang:en score:16 filesize: 483.13 K page\_count: 1 document date: 2025-07-21

