

## Tendak HDMI 2.0 Audio Extractor Splitter

# Tendak HDMI 2.0 Audio Extractor Splitter User Manual

Model: HDMI 2.0 Audio Extractor Splitter

Brand: Tendak

## 1. INTRODUCTION

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The Tendak HDMI 2.0 Audio Extractor Splitter is a versatile device designed to enhance your audio-visual experience. It allows you to extract digital audio signals from an HDMI source and output them to various audio systems, such as soundbars, surround sound systems, headphones, or speakers, via optical Spdif, 3.5mm AUX, or RCA L/R stereo ports. Simultaneously, the device passes the high-definition video signal to your 4K display. This extractor is an ideal solution for devices lacking optical audio ports or HDMI audio output support, ensuring stable and lossless transmission of both video and audio signals.



Figure 1: Tendak HDMI 2.0 Audio Extractor Splitter

## 2. FEATURES

- **HDMI 2.0 Audio Splitter:** Connects an HDMI input source to a 4K HD display while extracting digital audio signals via optical Spdif or 3.5mm (L/R) stereo port.
- **Ultra HD 4K@60Hz Resolution:** Supports HDMI resolutions up to 4Kx2K@60Hz, backward compatible with 4K@30Hz, 1080p 3D@60Hz, 1080i, 720p. Supports 4K@60Hz with RGB 4:4:4/YUV 4:4:4/YUV 4:2:2.
- **HDCP 2.2 and HDR 10 Support:** Compatible with HDCP 2.2 and HDCP 1.4. Supports HDR 10 function for clearer, more saturated visuals that restore real visual effects.
- **Audio Extraction with Volume Control:** Extracts audio from the HDMI input source to optical, AUX jack L/R 3.5mm outputs. Supports AC-3, DTS, DTS-HD, Dolby-TrueHD, DSD, and LPCM7.1 audio formats. The volume control knob simultaneously adjusts the analog output volume (3.5mm AUX and R/L).
- **Wide Compatibility:** Works with most HDMI-integrated devices including Blu-ray players, DVD players, laptops, PCs, PS4, PS5, Xbox One, and more. Connects to UHD TVs, HDTVs, monitors, or large-screen projectors.

- **Plug and Play:** No drivers required for operation.

### 3. PACKAGE CONTENTS

Please check the package contents upon opening to ensure all items are present and in good condition:

- 1 x Tendak HDMI Audio Extractor
- 1 x Optical Cable
- 1 x USB Power Cable
- 1 x User Manual

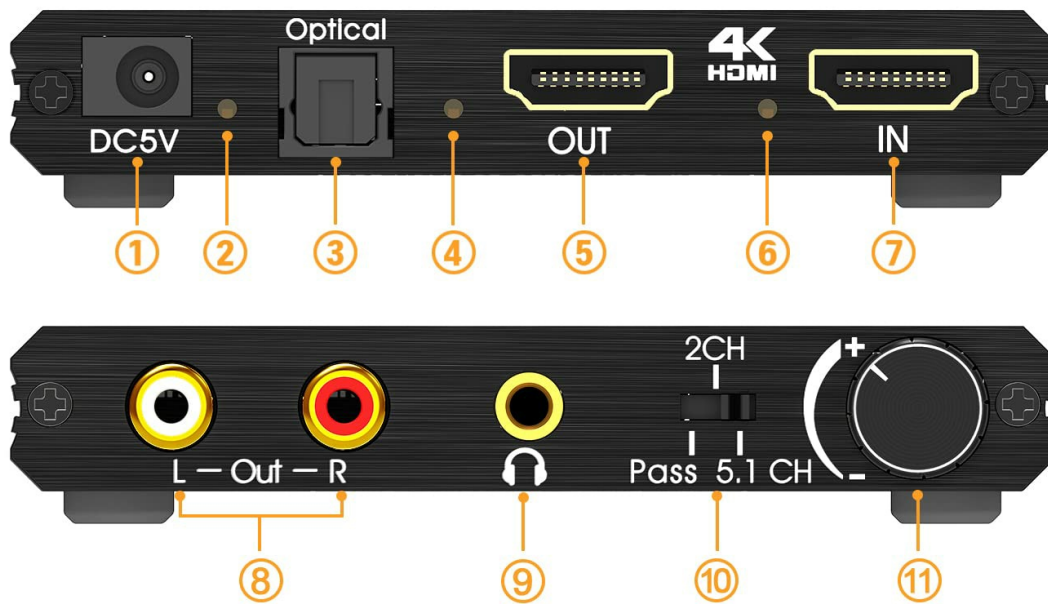
# PACKING LIST



Figure 2: Included Accessories

### 4. PRODUCT DIAGRAM AND INTERFACES

# Diagram of Interfaces



- ① Power input interface, connected to the USB power supply line, and then connected to the 5V 1A power adapter
- ② Power indicator, it lights up when the 5V 1A power adapter is correctly connected
- ③ Optical output interface, connected to the audio system
- ④ High-definition output indicator, which lights up when correctly connected to the display device
- ⑤ High-definition output interface, connected to TV or projector, monitor, etc
- ⑥ High-definition input indicator, which lights up when correctly connected to the display device
- ⑦ High-definition input interface, connected to TV or projector, monitor, etc.
- ⑧ R/L Audio output interface, connected to the audio system
- ⑨ 3.5mm jack audio output interface, connected to headphone or audio system.
- ⑩ Audio format (EDID) selection switch
- ⑪ Volume Control Knob

Figure 3: Interface Diagram

1. **Power input interface (DC5V):** Connects to the USB power supply line, then to a 5V 1A power adapter (or a USB port on your source device).
2. **Power indicator:** Lights up when the 5V 1A power adapter is correctly connected.
3. **Optical output interface:** Connects to your audio system (e.g., soundbar, AV receiver).
4. **High-definition output indicator (OUT):** Lights up when correctly connected to the display device.
5. **High-definition output interface (HDMI OUT):** Connects to TV, projector, or monitor.
6. **High-definition input indicator (IN):** Lights up when correctly connected to the display device.
7. **High-definition input interface (HDMI IN):** Connects to your HDMI source device (e.g., Blu-ray player, game console).
8. **R/L audio output interface (RCA L/R):** Connects to your audio system (e.g., stereo amplifier, active speakers).
9. **3.5mm jack audio output interface:** Connects to headphones or an audio system.
10. **Audio format (EDID) selection switch (2CH/Pass/5.1CH):** Selects the desired audio output mode.
11. **Volume Control Knob:** Adjusts the volume for the analog audio outputs (3.5mm AUX and R/L).

## 5. SETUP INSTRUCTIONS

Follow these steps to set up your Tendak HDMI Audio Extractor:

1. **Power Connection:** Connect the provided USB power cable to the DC5V input port on the extractor. Connect the other end of the USB cable to a 5V 1A power adapter (not included) or a USB port on your HDMI source device (e.g., TV, game console) to power the unit. The power indicator light will illuminate.
2. **HDMI Input:** Connect your HDMI source device (e.g., Blu-ray player, PS5, Xbox, PC) to the HDMI IN port on the extractor using a high-quality HDMI cable. The HDMI IN indicator light will illuminate.
3. **HDMI Output:** Connect the HDMI OUT port of the extractor to your display device (e.g., TV, monitor, projector) using another high-quality HDMI cable. The HDMI OUT indicator light will illuminate.
4. **Audio Output (Choose one or more):**
  - **Optical (Spdif):** Connect an optical cable from the Optical output port on the extractor to the optical input of your soundbar or AV receiver for digital audio.
  - **RCA L/R:** Connect RCA cables from the L-Out and R-Out ports on the extractor to the corresponding L/R analog audio inputs on your stereo amplifier or active speakers.
  - **3.5mm AUX:** Connect a 3.5mm audio cable from the 3.5mm jack output on the extractor to your headphones or a speaker system with a 3.5mm input.
5. **Audio Mode Selection:** Use the EDID selection switch (10) to choose your desired audio output mode:
  - **2CH:** For stereo analog audio output (3.5mm AUX and R/L).
  - **5.1CH:** For 5.1 channel digital audio output (Optical Spdif).
  - **Pass:** Passes the original HDMI audio format directly to the HDMI OUT and optical output.

# HDMI 2.0 Audio Extractor

Support 5.1CH Digital / 2.0CH Analog Audio Output

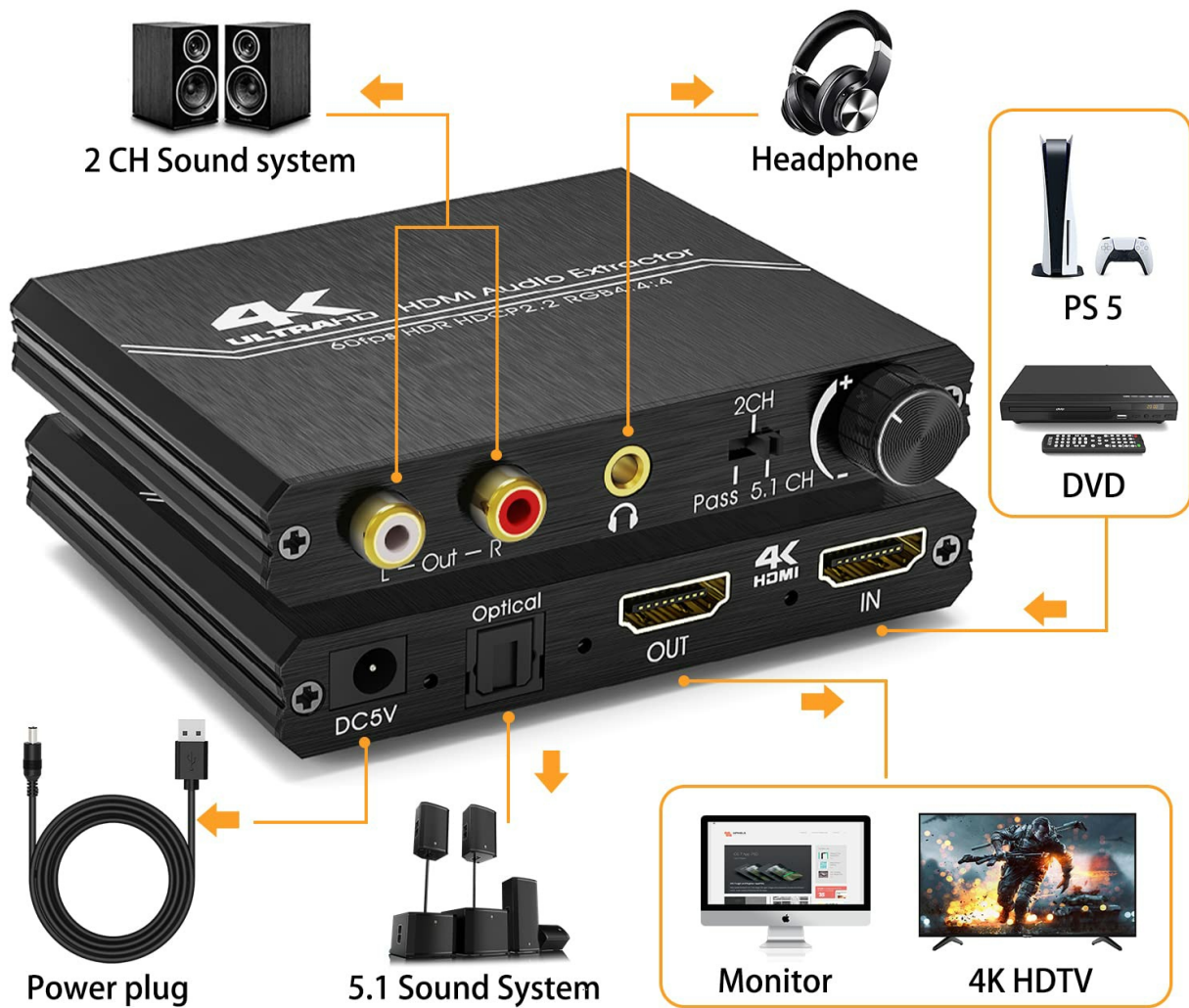


Figure 4: Typical Connection Diagram



**HDMI to Optical Spdif + R/L (RCA) + 3.5mm Stereo Audio Splitter**

## 6. OPERATING INSTRUCTIONS

Once the setup is complete, operate the Tendak HDMI Audio Extractor as follows:

- **Power On:** Ensure the extractor is powered on. The power indicator LED should be lit.
- **Source Device:** Turn on your HDMI source device (e.g., game console, Blu-ray player) and your display device (TV/monitor).
- **Audio System:** Turn on your connected audio system (soundbar, speakers, headphones).
- **Volume Adjustment:** Use the Volume Control Knob (11) on the extractor to adjust the output volume for the 3.5mm AUX and RCA L/R analog audio outputs. This knob does not control the volume of the optical output or the HDMI video signal.
- **Audio Mode Switching:** If you need to change the audio output format, use the EDID selection switch (10) to toggle between 2CH, Pass, and 5.1CH modes according to your audio system's capabilities and your preference.



Figure 6: Volume Control in Use

## 7. MAINTENANCE

To ensure the longevity and optimal performance of your Tendak HDMI Audio Extractor, please follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosol sprays, as they may damage the unit.
- **Environment:** Keep the device in a cool, dry place, away from direct sunlight, heat sources, and excessive moisture.
- **Handling:** Handle the device with care. Avoid dropping or subjecting it to strong impacts.
- **Ventilation:** Ensure proper ventilation around the device to prevent overheating. Do not block any ventilation openings.
- **Power Off:** Disconnect the power adapter when the device is not in use for extended periods.

## 8. TROUBLESHOOTING

If you encounter issues with your Tendak HDMI Audio Extractor, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No video output on display.	Loose HDMI cables. Incorrect input selection on display. Power issue with extractor. Incompatible resolution.	Ensure all HDMI cables are securely connected. Select the correct HDMI input on your TV/monitor. Verify the power indicator is lit; ensure the USB power cable is connected to a stable 5V 1A power source. Try a lower resolution from your source device if your display does not support 4K@60Hz.
No audio output from connected audio system.	Loose audio cables. Incorrect audio mode selected. Audio system volume too low or muted. Incompatible audio format.	Check all audio cable connections (optical, RCA, 3.5mm). Ensure the EDID switch is set to the appropriate mode (2CH for analog, 5.1CH for digital, or Pass). Increase the volume on your audio system and the extractor's volume knob (for analog outputs). Ensure your audio system supports the selected audio format (e.g., DTS, Dolby Digital). Try setting the source device's audio output to PCM/Stereo.
Distorted or poor audio quality.	Poor quality cables. Interference. Volume levels too high.	Use high-quality, shielded cables. Keep the device away from other electronic devices that may cause interference. Adjust the volume on both the extractor and your audio system to avoid clipping.

## 9. SPECIFICATIONS

Feature	Detail
Product Dimensions (L x W x H)	10 x 9.5 x 2 cm (3.94 x 3.74 x 0.79 inches)
Weight	210 grams (0.46 lbs)
Material	Aluminium
HDMI Version	HDMI 2.0
HDCP Version	HDCP 2.2 / 1.4
Max Resolution Support	4Kx2K@60Hz (YUV 4:4:4)
Color Space Support	RGB 4:4:4 / YUV 4:4:4 / YUV 4:2:2
HDR Support	HDR 10
3D Support	Yes
Audio Output Ports	Optical (Spdif), RCA L/R, 3.5mm AUX
Supported Audio Formats	AC-3, DTS, DTS-HD, Dolby-TrueHD, DSD, LPCM7.1
Power Supply	DC 5V/1A (via USB cable)
Number of Channels	6 (for 5.1CH audio)
Interface Type	HDMI

## 10. WARRANTY AND SUPPORT

Tendak products are designed for reliability and performance. For any questions, technical assistance, or warranty claims, please contact Tendak customer support through the retailer where you purchased the product or visit the official Tendak website for contact information.

Please retain your proof of purchase for warranty purposes.