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Model: HDMI 2.0 Audio Extractor Converter

INTRODUCTION

The CORSAHD HDMI 2.0 Audio Extractor Converter is designed to extract audio from a digital HDMI signal and convert it to Optical S/PDIF or high-quality stereo 3.5mm audio output. This device supports resolutions up to 4K@60Hz, 1080P@120Hz, and various audio formats including LPCM 7.1, Dolby Atmos, DTS X, Dolby True HD, and DTS-HD Master Audio. It also features HDCP 2.2/2.3 bypass, HDR 10, Dolby Vision, 3D effect, VRR, CEC bypass, and an audio de-embed function, allowing optical audio output without a connected TV. This manual provides comprehensive instructions for proper installation and operation.

PACKAGE CONTENTS

- HDMI 2.0 Audio Extractor x 1
- Type-C Cable x 1
- User Manual x 1



Image: The package contents, including the CORSAHD HDMI 2.0 Audio Extractor, a Type-C power cable, and the user manual. The image also displays the product dimensions: 58mm length, 52.8mm width, and 22mm height.

PRODUCT DIAGRAM AND INTERFACE

Familiarize yourself with the ports and controls on the HDMI Audio Extractor:

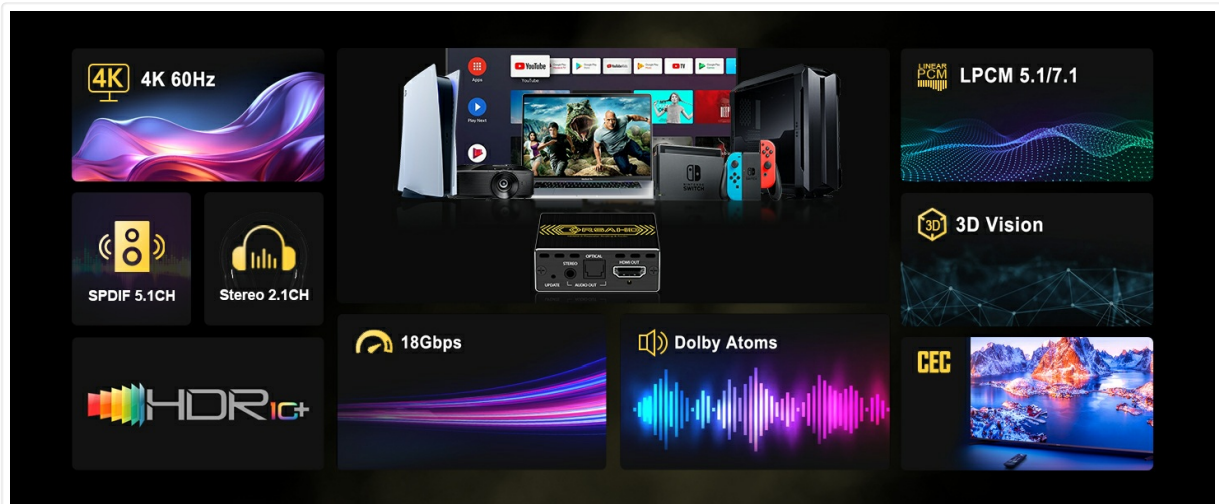


Image: A diagram illustrating the CORSAHD HDMI 2.0 Audio Extractor's ports and controls. It shows the HDMI IN port, HDMI OUT port, Optical audio output, Stereo 3.5mm audio output, a Type-C port for power/firmware updates, and the EDID DIP switches for configuration.

- **HDMI IN:** Connect your HDMI source device (e.g., PS5, Xbox, Blu-ray player).
- **HDMI OUT:** Connect to your display device (e.g., TV, monitor, projector).
- **OPTICAL:** S/PDIF audio output for soundbars or receivers (supports up to 5.1CH).
- **STEREO (3.5mm):** Analog stereo audio output for headphones or 2.1CH speakers.
- **POWER/FW (Type-C):** Power input (5V DC) and firmware update port.
- **SETTING (DIP Switches):** Used to configure EDID, HDCP, and Scaler settings.

SPECIFICATIONS

Feature	Description
Video Resolution	Up to 4K@60Hz, 1080P@120Hz 4:4:4 8bit
HDCP Support	HDCP 2.2 & HDCP 2.3 Bypass
HDR Support	HDR 10, Dolby Vision, 3D Effect
Audio Formats (HDMI)	LPCM 7.1, Dolby Atmos, DTS X, Dolby True HD, DTS-HD Master Audio
Audio Output (Optical)	S/PDIF (supports up to 5.1CH)
Audio Output (Analog)	3.5mm Stereo (2.1CH)
Special Features	VRR, CEC Bypass, Audio De-embed, EDID Management, Scaler (4K to 1080P)
Power Supply	5V DC (via Type-C cable)
Dimensions	Approximately 2.3"L x 2"W (58mm x 52.8mm x 22mm)
Item Weight	3.2 ounces

SETUP INSTRUCTIONS

1. **Connect HDMI Source:** Connect an HDMI cable from your source device (e.g., PS5, Xbox, PC, Blu-ray player) to the **HDMI IN** port on the extractor.
2. **Connect Display:** Connect an HDMI cable from the **HDMI OUT** port on the extractor to your display device (e.g., TV, monitor, projector).
3. **Connect Audio Output:**
 - For 5.1CH audio (Dolby Digital, DTS), connect an optical cable from the **OPTICAL** port to your soundbar or AV receiver.
 - For 2.1CH stereo audio, connect a 3.5mm audio cable from the **STEREO** port to your headphones or stereo speakers.
 - For 7.1CH audio, use the HDMI OUT port to connect directly to a compatible AV receiver or sound system.
4. **Power On:** Connect the provided Type-C cable to the **POWER/FW** port on the extractor and then to a 5V USB power source (e.g., TV USB port, USB wall adapter). The device will power on automatically.
5. **Configure EDID (if necessary):** Adjust the EDID DIP switches on the extractor according to your

desired audio and video output settings. Refer to the "Operating Instructions: EDID Configuration" section for details.

6. **Verify Connection:** Ensure all devices are powered on and correctly configured. You should now receive video on your display and audio through your selected audio output.



Image: An illustration demonstrating the wide compatibility of the CORSAHD HDMI 2.0 Audio Extractor. It shows connections to various input sources such as PS5, Xbox, Nintendo Switch, Blu-ray DVD players, and Graphics Cards, and output devices like Headsets, Amplifiers, Speakers, TVs, Monitors, and Projectors.

OPERATING INSTRUCTIONS: EDID CONFIGURATION

The EDID (Extended Display Identification Data) DIP switches allow you to control the video and audio capabilities reported to the source device. This is crucial for ensuring compatibility and optimal performance.



Image: A detailed guide to the EDID DIP switch settings. It categorizes the switches into three control areas: HDCP, Downscaling (Scaler), and EDID combination. Various switch configurations are shown for different output scenarios, including 4K60Hz 4:2:0 DTS/Dolby/PCM 7.1 CH HDR, 4K60Hz 4:4:4 Dolby Vision & Atmos, and 1080P60Hz 2CH 3D HDR.

The DIP switches are divided into three independent control areas:

- **HDCP:** Controls HDCP bypass.
- **SCALER:** Controls video downscaling (e.g., 4K to 1080P).
- **EDID Combination:** Configures the reported audio and video capabilities.

Refer to the diagram above for specific switch combinations for desired outputs. Some common EDID audio modes are:

Easy Configuration via EDID DIP Switch



The three control areas are Independent of each other and can be adjusted arbitrarily

- HDCP**
- Downscaling**
- EDID combination**



Image: This image details the EDID Audio Mode Switch settings. It illustrates three main modes: Copy Mode (EDID Mode 1: ON,OFF,OFF,OFF,OFF), 2CH Mode (EDID Mode 2: ON,ON,OFF,OFF,ON), and 5.1CH Mode (EDID Mode 3: ON,ON,ON,OFF). Each mode is accompanied by a visual representation of the speaker setup it supports.

- **Copy Mode (EDID Mode 1: ON,OFF,OFF,OFF,OFF):** The extractor copies the EDID from the HDMI OUT display. This is often the default or recommended setting if your display supports all desired formats.
- **2CH Mode (EDID Mode 2: ON,ON,OFF,OFF,ON):** Forces the source to output 2-channel LPCM audio, suitable for stereo headphones or 2.1CH speakers connected to the 3.5mm output. *Note: When switching to 2CH, please set the audio output format of the input source to LPCM/PCM.*
- **5.1CH Mode (EDID Mode 3: ON,ON,ON,OFF):** Forces the source to output 5.1-channel audio, suitable for soundbars or receivers connected via the Optical S/PDIF port. *Note: When switching to 5.1CH, please set the audio output format of the input source to LPCM/PCM.*

Important: Always power cycle the source device and the extractor after changing DIP switch settings to ensure the new EDID is properly detected.

MAINTENANCE

- Keep the device in a cool, dry place, away from direct sunlight, high temperatures, and humidity.
- Clean the device with a soft, dry cloth. Do not use liquid or aerosol cleaners.
- Ensure proper ventilation around the device to prevent overheating.
- Avoid dropping or subjecting the device to strong impacts.

TROUBLESHOOTING

No Video Output:

- Ensure all HDMI cables are securely connected.
- Verify the power adapter is connected and the device is powered on.
- Try a different HDMI cable. High-quality HDMI 2.1 cables (less than 10ft/3m) are recommended for 4K@60Hz.
- Adjust the EDID DIP switches. Try "Copy Mode" first, or a specific video mode that matches your display's capabilities.
- Power cycle all connected devices (source, extractor, display).

No Audio Output:

- Check audio cable connections (Optical or 3.5mm).
- Ensure your audio receiver/soundbar is set to the correct input.
- Verify the EDID DIP switches are set correctly for your desired audio format (e.g., 2CH for stereo, 5.1CH for optical).
- If using Optical S/PDIF, remember it supports **only up to 5.1CH**. For 7.1CH, use the HDMI OUT directly to a compatible receiver.
- If using 3.5mm L/R Out, there will be no sound if the source audio is set above 5.1CH.
- Ensure the source device's audio output settings match the EDID configuration (e.g., LPCM/PCM for 2CH/5.1CH modes).
- The device does **NOT** support ARC or e-ARC.

HDCP Errors or Intermittent Signal:

- Ensure your HDMI cables are HDCP 2.2/2.3 compliant.
- Try adjusting the HDCP DIP switch setting on the extractor.
- Power cycle all devices in the chain (source, extractor, receiver, TV).
- If connecting to an older receiver, the extractor can help bypass HDCP conflicts by being placed between the source and the receiver, then the receiver to the TV.

4K Content Not Displaying Correctly:

- Ensure your display and HDMI cables support 4K@60Hz and HDR.
- Check the EDID DIP switch settings to ensure 4K HDR modes are enabled.
- If your display is 1080P, ensure the Scaler DIP switch is set to downscale 4K to 1080P.

IMPORTANT NOTES AND LIMITATIONS

- The S/PDIF (Optical) port supports 5.1CH audio only. For 7.1CH audio, please use the HDMI OUT port to connect to a compatible receiver.
- This device does NOT support ARC (Audio Return Channel) or e-ARC.
- When the source audio is set above 5.1CH, there will be no sound from the 3.5mm L/R Out port.
- For optimal performance with 4K@60Hz, it is highly recommended to use qualified HDMI 2.1 cables less than 10 feet (3 meters) in length.

WARRANTY AND SUPPORT

This CORSAHD product comes with a standard manufacturer's warranty. For specific warranty details, please refer to the documentation included with your purchase or contact CORSAHD customer support. If you encounter any issues or require technical assistance, please contact CORSAHD customer support through the retailer where you purchased the product or visit the official CORSAHD website for support resources.