

## BUNGPUNG BP-HDC-SWC11A

# BUNGPUNG 8K@60Hz HDMI ARC/eARC Audio Extractor Adapter

MODEL: BP-HDC-SWC11A

User Manual

## 1. INTRODUCTION

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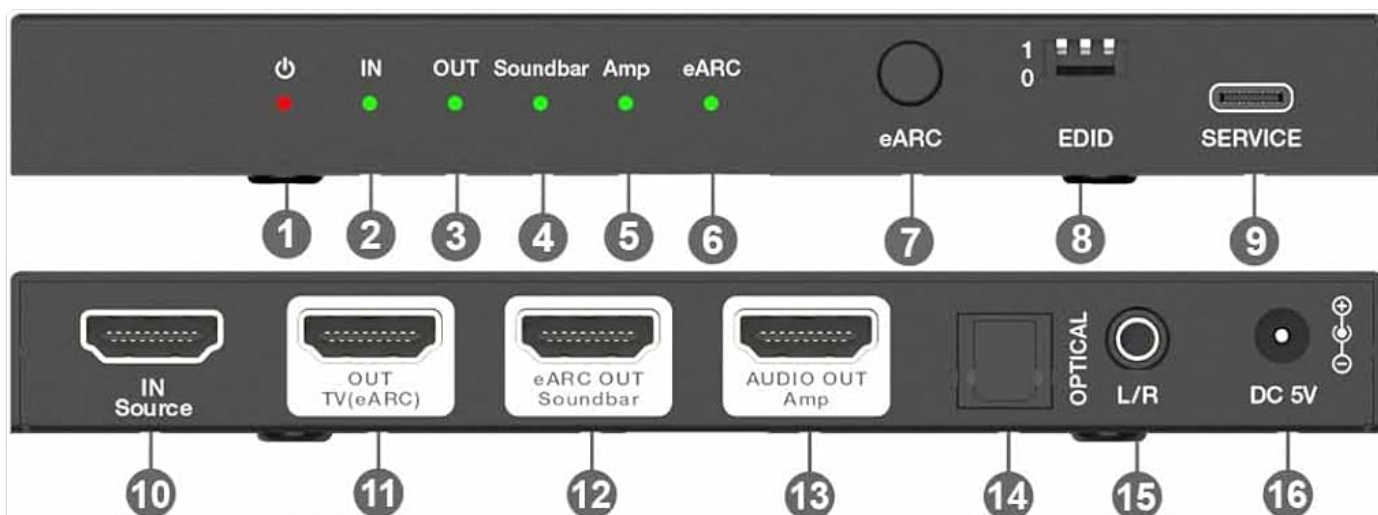
Thank you for purchasing the BUNGPUNG 8K@60Hz HDMI ARC/eARC Audio Extractor Adapter. This device is designed to provide flexible audio routing solutions for your home theater system, allowing you to extract or inject audio signals between HDMI sources, TVs, soundbars, and AV receivers. It supports high-resolution video up to 8K@60Hz and a wide range of audio formats, ensuring a premium audio-visual experience.



Figure 1: Front and Rear View of the Audio Extractor Adapter

## 2. KEY FEATURES

- **HDMI ARC/eARC Audio Conversion:** Capable of converting HDMI audio to ARC/eARC audio (e.g., Dolby Atmos) from an HDMI source to eARC/ARC sound systems, and converting ARC/eARC audio from an eARC TV to AV receivers.
- **High Resolution Video Support:** Supports video resolutions up to 8K@60Hz 4:2:0 12bit and 4K@120Hz 4:4:4 12bit.
- **Advanced HDMI Specifications:** Compliant with 48Gbps HDMI 2.1, HDCP 2.3, HDR, and CEC.
- **Extensive Audio Format Support:** Supports LPCM, Dolby Digital/Plus/EX, Dolby True HD, Dolby Atmos, DTS, DSD DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DTS:X.
- **Durable Construction:** Features a durable metal body for rapid heat absorption and dissipation, reducing EMI/RFI noise interference.
- **Compact and User-Friendly:** Compact size, easy plug-and-play installation, and independent power supply for stable operation.



No.	Name	Function Description
1	Power LED	The red LED is on when the device is working.
2	IN LED	The green LED will be on when the input source signal is detected.
3	OUT LED	The green LED will be on, when the HDMI OUT port connects a display device and outputs signal.
4	Soundbar LED	The green LED will be on when a soundbar is connected properly.
5	Amp LED	The green LED will be on when an amplifier is connected properly.
6	eARC LED	<ul style="list-style-type: none"> <li>▪ <b>On:</b> The eARC/ARC mode is enabled. CEC communication and eARC is working properly.</li> <li>▪ <b>Flashing:</b> The eARC/ARC mode is enabled. CEC communication and eARC is not working properly.</li> <li>▪ <b>Off:</b> The eARC mode is disabled.</li> </ul>
7	eARC button	Press this button to enable or disable the eARC/ARC mode.
8	EDID DIP switch	Use the DIP switch to set EDID. [DIP]=111: Copy OUT port sink EDID (as factory default) [DIP]=110: Copy video EDID of sink and audio EDID of Soundbar [DIP]=101: FRL12G_8K_HDR, 2.0CH [DIP]=100: FRL12G_8K_HDR, 5.1CH [DIP]=011: FRL12G_8K_HDR, 7.1CH [DIP]=010: FRL10G_8K_HDR, 2.0CH [DIP]=001: FRL10G_8K_HDR, 5.1CH [DIP]=000: FRL10G_8K_HDR, 7.1CH
9	SERVICE	Used for firmware update and serial commands control.
10	Source IN	HDMI signal input port, connected to HDMI source device such as 8K PC, DVD or PS5 with an HDMI cable.
11	TV(eARC) OUT	HDMI signal output port, connected to TV (eARC/ARC) with an HDMI cable. It can be used as an eARC/ARC audio channel when the eARC/ARC mode is enabled.
12	Soundbar eARC OUT	HDMI audio output port, connected to a soundbar (eARC/ARC).
13	Amp AUDIO OUT	HDMI audio output port, connected to an amplifier.
14	OPTICAL	Optical fiber audio output port.
15	L/R	Analog audio output port.
16	DC 5V	DC 5V/2A Power input port.

Figure 2: Product Dimensions and Feature Highlights



Figure 3: 8K@60Hz Ultra HD Visual Experience

### 3. PRODUCT DIAGRAM AND PORT DESCRIPTIONS

Familiarize yourself with the various ports, indicators, and controls on your audio extractor adapter.



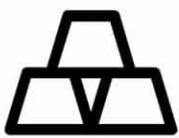
**8K@60Hz**  
More realistic images

**HDR**  
Immersive visual effects

**DOLBY Atmos/ DTS / DSD**  
Acoustic feast

Weight=262g

High=18mm



Durable  
Metal housing



High speed  
heat dissipation



Reduce EMI/RFI  
noise interference



Small size  
Easy to install



Plug & play

Figure 4: Product Interface and Controls

Table 1: Function Description of Ports and Indicators

No.	Name	Function Description
1	Power LED	The red LED is on when the device is working.
2	IN LED	The green LED will be on when the input source signal is detected.
3	OUT LED	The green LED will be on when the HDMI OUT port connects a display device and outputs signal.
4	Soundbar LED	The green LED will be on when a soundbar is connected properly.
5	Amp LED	The green LED will be on when an amplifier is connected properly.

No.	Name	Function Description
6	eARC LED	<ul style="list-style-type: none"> <li>• <b>On:</b> The eARC/ARC mode is enabled. CEC communication and eARC is working properly.</li> <li>• <b>Flashing:</b> The eARC/ARC mode is enabled. CEC communication and eARC is not working properly.</li> <li>• <b>Off:</b> The eARC mode is disabled.</li> </ul>
7	eARC button	Press this button to enable or disable the eARC/ARC mode.
8	EDID DIP switch	<p>Use the DIP switch to set EDID:</p> <ul style="list-style-type: none"> <li>• [DIP]=111: Copy OUT port sink EDID (as factory default)</li> <li>• [DIP]=110: Copy video EDID of sink and audio EDID of Soundbar</li> <li>• [DIP]=101: FRL12G_8K_HDR_2.0CH</li> <li>• [DIP]=100: FRL12G_8K_HDR_5.1CH</li> <li>• [DIP]=011: FRL12G_8K_HDR_7.1CH</li> <li>• [DIP]=010: FRL10G_8K_HDR_2.0CH</li> <li>• [DIP]=001: FRL10G_8K_HDR_5.1CH</li> <li>• [DIP]=000: FRL10G_8K_HDR_7.1CH</li> </ul>
9	SERVICE	Used for firmware update and serial commands control.
10	Source IN	HDMI signal input port, connected to HDMI source device such as 8K PC, DVD or PSS with an HDMI cable.
11	TV(eARC) OUT	HDMI signal output port, connected to TV (eARC/ARC) with an HDMI cable. It can be used as an eARC/ARC audio channel when the eARC/ARC mode is enabled.
12	Soundbar eARC OUT	HDMI audio output port, connected to a soundbar (eARC/ARC).
13	Amp AUDIO OUT	HDMI audio output port, connected to an amplifier.
14	OPTICAL	Optical fiber audio output port.
15	L/R	Analog audio output port.
16	DC 5V	DC 5V/2A Power input port.

## 4. SETUP AND CONNECTION

Follow these steps to connect your BUNGPUNG HDMI ARC/eARC Audio Extractor Adapter to your audio-visual system.

### 4.1. Converting HDMI Audio to ARC/eARC Audio (eARC OFF Mode)

In this mode, the adapter extracts audio from an HDMI source and outputs it to your soundbar, amplifier, or other audio devices, while passing the video signal to your TV. The eARC function on the adapter should be disabled.

1. Connect your HDMI source device (e.g., Blu-ray player, gaming console, PC) to the **Source IN** port (10) of the adapter using an HDMI cable.

2. Connect the **TV(eARC) OUT** port (11) of the adapter to your TV's HDMI input using an HDMI cable.
3. Connect the **Soundbar eARC OUT** port (12) to your eARC/ARC compatible soundbar using an HDMI cable.
4. Optionally, connect the **Amp AUDIO OUT** port (13) to your amplifier, the **OPTICAL** port (14) to an optical audio device, or the **L/R** port (15) to analog audio devices.
5. Ensure the eARC button (7) is set to disable eARC/ARC mode (eARC LED (6) is OFF).
6. Connect the provided DC 5V power adapter to the **DC 5V** port (16) and plug it into a power outlet.

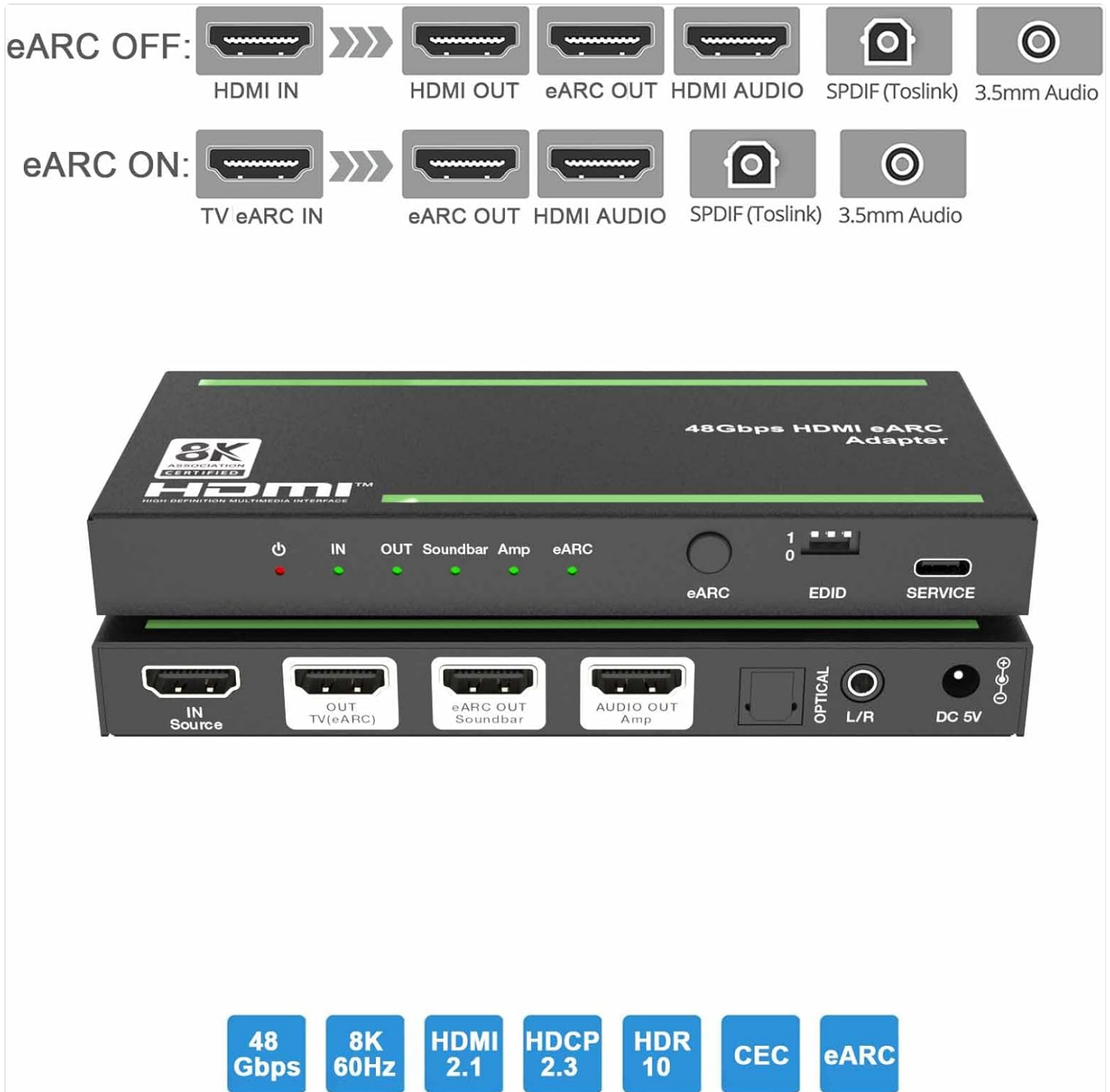


Figure 5: Connection Diagram for eARC OFF Mode

## 4.2. Converting ARC/eARC Audio to HDMI Audio (eARC ON Mode)

In this mode, the adapter receives ARC/eARC audio from your TV and outputs it to your soundbar, amplifier, or other audio devices. An HDMI source device connection is not required in this configuration.

1. Connect your TV's eARC/ARC HDMI output to the **TV(eARC) OUT** port (11) of the adapter using an HDMI cable. This port now acts as an input for the TV's eARC/ARC audio.
2. Connect the **Soundbar eARC OUT** port (12) to your eARC/ARC compatible soundbar using an HDMI cable.

3. Optionally, connect the **Amp AUDIO OUT** port (13) to your amplifier, the **OPTICAL** port (14) to an optical audio device, or the **L/R** port (15) to analog audio devices.
4. Ensure the eARC button (7) is pressed to enable eARC/ARC mode (eARC LED (6) is ON).
5. Connect the provided DC 5V power adapter to the **DC 5V** port (16) and plug it into a power outlet.



Figure 6: Connection Diagram for eARC ON Mode

## 5. OPERATING INSTRUCTIONS

### 5.1. eARC/ARC Mode Selection

The eARC button (7) allows you to toggle between eARC/ARC enabled and disabled modes. Press the button to switch modes. The eARC LED (6) will indicate the current status:

- **eARC LED ON:** eARC/ARC mode is enabled. This is used for converting TV eARC/ARC audio to other audio outputs.
- **eARC LED OFF:** eARC/ARC mode is disabled. This is used for extracting audio from an HDMI source.
- **eARC LED Flashing:** eARC/ARC mode is enabled, but there might be an issue with CEC communication or eARC

functionality. Refer to the troubleshooting section.

## 5.2. EDID Management

The EDID DIP switch (8) allows you to manually configure the Extended Display Identification Data (EDID) settings. EDID communicates the display's capabilities (like resolution and audio formats) to the source device. Adjusting these settings can help resolve compatibility issues or optimize audio/video output.

Refer to Table 1 for the specific EDID configurations corresponding to each DIP switch setting.

## 6. TROUBLESHOOTING

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If you encounter issues with your BUNGPUNG HDMI ARC/eARC Audio Extractor Adapter, please refer to the following common problems and solutions:

**Table 2: Common Troubleshooting Steps**

Problem	Possible Cause & Solution
No audio output	<ul style="list-style-type: none"><li>• Ensure all HDMI and audio cables are securely connected.</li><li>• Verify the correct eARC/ARC mode is selected (eARC ON/OFF) based on your setup.</li><li>• Check the audio settings on your source device (e.g., TV, Blu-ray player) to ensure audio is outputting via HDMI ARC/eARC.</li><li>• Try adjusting the EDID DIP switch settings (8) to a different audio format.</li><li>• Confirm your soundbar/amplifier is set to the correct input.</li><li>• Check if the Power LED (1) is on. If not, verify power connection.</li></ul>
No video output	<ul style="list-style-type: none"><li>• Ensure the HDMI cable from the adapter's TV(eARC) OUT (11) to your TV is connected and functional.</li><li>• Verify the TV is set to the correct HDMI input.</li><li>• Check the resolution settings on your source device. Try a lower resolution if your TV or cable does not support 8K@60Hz.</li><li>• Ensure the IN LED (2) and OUT LED (3) are on.</li></ul>
eARC LED (6) is flashing	<ul style="list-style-type: none"><li>• This indicates eARC/ARC mode is enabled but CEC communication or eARC functionality is not working correctly.</li><li>• Ensure your TV and soundbar/AV receiver fully support eARC/ARC and CEC.</li><li>• Try power cycling all connected devices (TV, soundbar, adapter, source).</li><li>• Check for firmware updates for your TV or soundbar.</li></ul>

Problem	Possible Cause & Solution
Intermittent audio/video	<ul style="list-style-type: none"> <li>• Check for loose cable connections.</li> <li>• Ensure you are using high-quality HDMI 2.1 certified cables, especially for 8K signals.</li> <li>• Reduce cable lengths if possible.</li> <li>• Minimize electromagnetic interference by keeping the adapter away from other electronic devices.</li> </ul>

## 7. SPECIFICATIONS

**Table 3: Product Specifications**

Feature	Detail
Product Dimensions (L x W x H)	5.71 x 2.68 x 0.71 inches (145 x 68 x 18 mm)
Item Weight	9.2 ounces (262 grams)
Model Number	BP-HDC-SWC11A
Compatible Devices	Amplifiers, Soundbars, TVs, DVD Players, TV Boxes
Connector Type	HDMI, Optical (SPDIF), 3.5mm L/R Audio
HDMI Version	HDMI 2.1
HDCP Version	HDCP 2.3
Max Resolution Support	8K@60Hz 4:2:0 12bit, 4K@120Hz 4:4:4 12bit
Bandwidth	48Gbps
HDR Support	Yes
CEC Support	Yes
Power Supply	DC 5V/2A

## 8. MAINTENANCE

To ensure the longevity and optimal performance of your audio extractor adapter, 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.
- **Ventilation:** Ensure the device is placed in a well-ventilated area to prevent overheating. Do not block any ventilation openings.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the device with care. Avoid dropping or subjecting it to strong impacts.

## 9. WARRANTY AND SUPPORT

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This BUNGPUNG HDMI ARC/eARC Audio Extractor Adapter is covered by a one-year warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For technical support, warranty claims, or any questions regarding your product, please contact BUNGPUNG customer service through the retailer's platform or the official BUNGPUNG website. Please have your model number (BP-HDC-SWC11A) and purchase information ready when contacting support.