PROZOR PROZOR 192KHz ARC Audio Extractor

PROZOR 192KHz HDMI ARC to Optical Audio Adapter Instruction Manual

Model: PROZOR 192KHz ARC Audio Extractor

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and troubleshooting of your PROZOR 192KHz HDMI ARC to Optical Audio Adapter. This device is designed to extract audio from your TV's HDMI Audio Return Channel (ARC) port and convert it into either Optical (Toslink/SPDIF) or Coaxial digital audio outputs. This allows you to connect your TV's audio to external sound systems such as soundbars, amplifiers, or receivers that do not have HDMI ARC inputs.

Important Notes:

- This converter is designed for TV HDMI ARC ports only, not for standard HDMI or HDMI eARC ports.
- It supports uncompressed 2-channel LPCM or PCM digital audio signals. It does not decode 5.1 channel audio formats like Dolby Digital or DTS.
- The signal transmission is one-way; it cannot be reversed.
- Volume control must be managed directly on your connected audio device (amplifier, soundbar), not via the TV remote.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x PROZOR 192KHz HDMI ARC to Optical Audio Adapter
- 1 x HDMI Cable (approximately 3.3ft/1m)
- 1 x Optical (Toslink) Cable
- 1 x USB Type-C Power Cable (DC 5V 1A)
- 1 x User Manual

Image 2.1: Contents of the PROZOR ARC Audio Extractor package. This image displays the main converter unit, an HDMI cable, an optical cable, a USB Type-C power cable, and the user manual, all neatly arranged.

3. PRODUCT OVERVIEW

The PROZOR ARC Audio Extractor features a compact design with clearly labeled ports for easy connection.

Image 3.1: The PROZOR 192KHz HDMI ARC to Optical Audio Adapter with its integrated HDMI ARC input cable and separate optical output cable, along with the USB power cable.

Key Components:

- **HDMI ARC Input Cable:** Connects to your TV's HDMI ARC port.
- **Optical (Toslink) Output:** Connects to your audio device's optical input.
- **Coaxial Output:** Connects to your audio device's coaxial input.
- **USB Type-C Power Input:** Connects to a 5V USB power source (e.g., TV USB port).

4. SETUP INSTRUCTIONS

Follow these steps to correctly set up your PROZOR ARC Audio Extractor:

4.1. Connecting the Adapter

1. **Identify TV ARC Port:** Locate the HDMI port on your TV labeled "ARC" or "HDMI ARC". It is crucial to use this specific port. Do not use standard HDMI or HDMI eARC ports.

Image 4.1: This diagram illustrates how to correctly identify and connect the adapter to your TV's HDMI ARC port. It highlights the ARC-labeled port and shows incorrect connections to standard HDMI or eARC ports.

2. **Connect HDMI ARC Cable:** Plug the integrated HDMI ARC cable from the PROZOR adapter into your TV's HDMI ARC port.

3. **Connect Audio Output:** Connect either the Optical (Toslink) cable or a Coaxial cable (not included) from the PROZOR adapter's output to the corresponding input on your soundbar, amplifier, or receiver.

ARC to Optical/Coaxial Audio Converter
Dual Digital Outputs (One-Way Signal Transmission)

(ARC) HDMI

USB Type-c cable Power

Soundbar

TV (ARC-Enabled)

HDMI ARC Cable

Coaxial

AV Amplifier
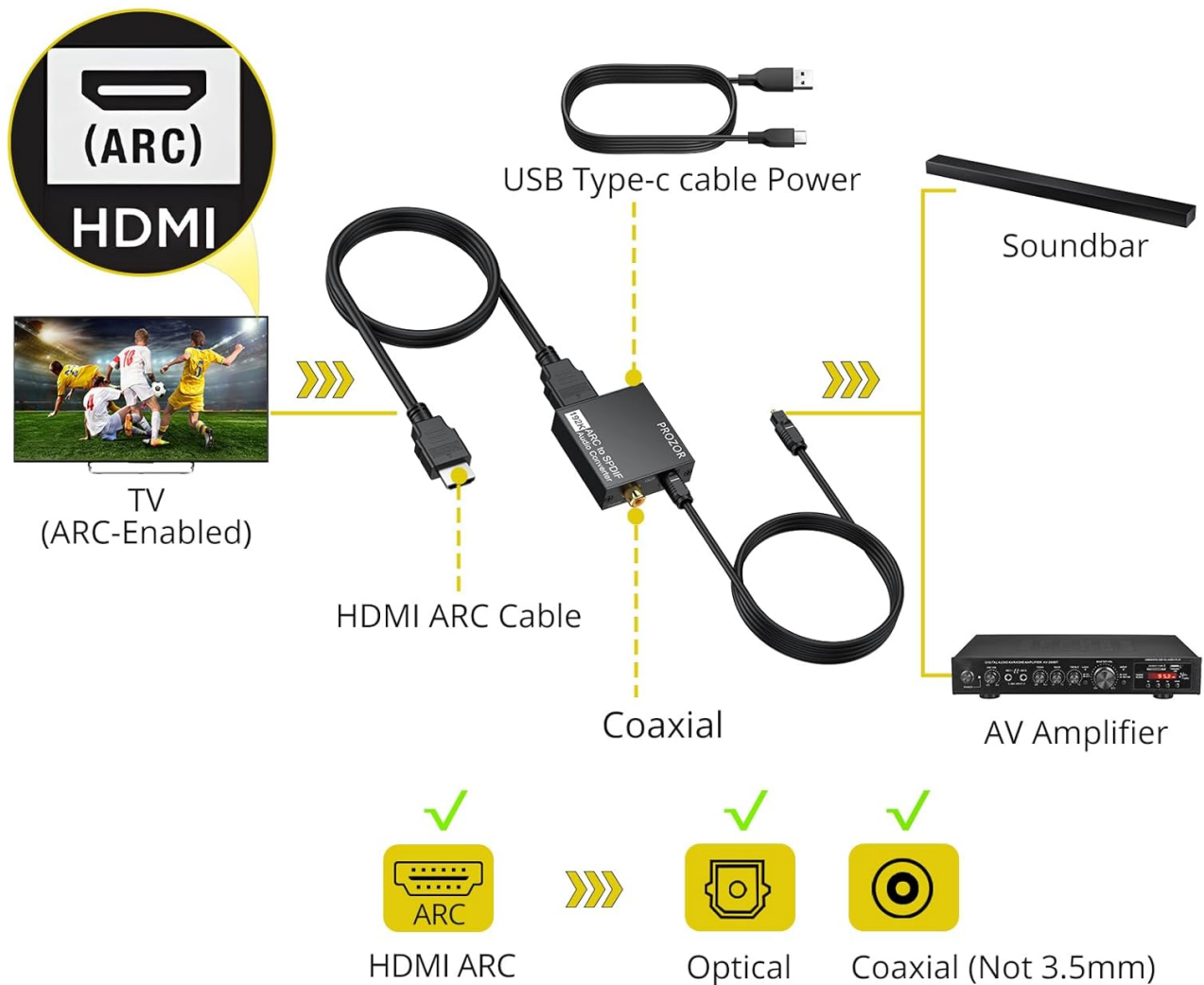
✓ HDMI ARC ⟫ ✓ Optical ✓ Coaxial (Not 3.5mm)

Image 4.2: A visual guide demonstrating the connection flow from a TV's ARC-enabled HDMI port to the PROZOR adapter, and then to a soundbar or AV amplifier via optical or coaxial outputs.

4. **Connect Power:** Connect the supplied USB Type-C power cable to the adapter's DC 5V input. Plug the other end (USB-A) into an available USB port on your TV or a 5V USB wall adapter (not included). The adapter requires 5V 1A power.

4.2. TV Audio Settings Configuration

For optimal performance and compatibility, adjust your TV's audio settings as follows:

1. **Enable CEC:** Ensure that Consumer Electronics Control (CEC) is enabled on your TV. This feature is often named differently by various TV manufacturers (e.g., Anynet+ for Samsung, Bravia Sync for Sony, SimpLink for LG).

2. **Set Audio Output to HDMI ARC:** Navigate to your TV's audio settings and select "HDMI ARC" or "Audio Out (HDMI ARC)" as the primary audio output.

3. **Set Audio Format to PCM or LPCM:** This converter supports uncompressed 2-channel PCM/LPCM audio. Access your TV's expert audio settings and set the digital audio output format to "PCM" or "LPCM". Avoid "Dolby Digital," "DTS," or other compressed multi-channel formats, as the converter will not decode them.

Image 4.3: A visual representation of a TV's audio settings menu, highlighting the selection of "PCM" as the HDMI Audio Format for proper operation with the PROZOR adapter.

5. OPERATION

Once the setup is complete, your PROZOR ARC Audio Extractor will automatically convert the audio from your TV's ARC port to the selected digital output (Optical or Coaxial).

- **Audio Output:** The adapter provides a stable, electromagnetic-noise-free transmission of uncompressed 2-channel PCM audio.
- **Volume Control:** The TV remote will not control the volume of the connected audio device. Please adjust the volume directly on your soundbar, amplifier, or receiver.
- **High-Resolution Audio:** The adapter supports sampling rates at 32, 44.1, 48, 96, and 192kHz, delivering high-resolution audio.

Image 5.1: A detailed view of the PROZOR adapter's internal components, emphasizing the 192kHz audio chipset responsible for high-resolution audio processing.

Extract Pure and Detailed Sound

Preserves uncompressed digital audio from ARC via Toslink & Coaxial – Ideal for Soundbars and AV Receivers. Set TV audio to PCM for optimal performance.

Image 5.2: An illustration of the PROZOR adapter in a typical home entertainment setup, connecting a TV's audio to an external amplifier and speakers for enhanced sound.

6. TROUBLESHOOTING

If you encounter issues, please refer to the following common problems and solutions:

Problem	Possible Cause / Solution

Problem	Possible Cause / Solution
No audio output.	○ Ensure the adapter is connected to the TV's **HDMI ARC** port, not a standard HDMI or eARC port. ○ Verify that the TV's audio output is set to **HDMI ARC**. ○ Confirm the TV's digital audio format is set to **PCM** or **LPCM**. ○ Check all cable connections (HDMI, Optical/Coaxial, USB power) are secure. ○ Ensure the audio device (soundbar/amplifier) is powered on and set to the correct input (Optical or Coaxial). ○ Try a different USB power source for the adapter.
Audio is distorted or intermittent.	○ Verify the TV's digital audio format is set to **PCM** or **LPCM**. Compressed formats (Dolby, DTS) are not supported for decoding. ○ Check for loose cable connections. ○ Ensure the USB power supply is stable (5V 1A).
TV remote does not control volume.	This is expected behavior. Volume must be adjusted directly on your connected soundbar, amplifier, or receiver. The adapter does not support CEC volume control passthrough to the connected audio device.
Adapter does not work with soundbar ARC port.	The adapter is designed to extract audio **from a TV's ARC port** and output to an audio device's Optical or Coaxial input. It is not compatible with soundbar ARC ports for input.

7. SPECIFICATIONS

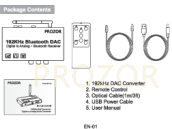| Feature	Detail
Input	HDMI ARC (TV only)
Output	Optical (Toslink), Coaxial
Supported Audio Formats	Uncompressed 2-channel LPCM/PCM
Sampling Rate	32kHz, 44.1kHz, 48kHz, 96kHz, 192kHz
Power Supply	DC 5V 1A (via USB Type-C)
Housing Material	Aluminum Alloy
Cable Length (Integrated)	HDMI ARC cable approx. 3.3ft/1m
Dimensions (Main Unit)	Approx. 4.6cm x 5.0cm x 1.0cm (1.81in x 1.96in x 0.39in)
Item Weight	Approx. 7.4 ounces (0.21 kg)

8. SAFETY INFORMATION

- Do not expose this device to water, moisture, or excessive humidity.

- Do not attempt to disassemble or modify the device. This may cause electric shock or damage the product.

- Use only the provided power cable or a compatible 5V 1A USB power source.

- Keep the device away from heat sources and direct sunlight.

- Ensure proper ventilation around the device.

- Dispose of electronic waste responsibly according to local regulations.

9. WARRANTY AND SUPPORT

PROZOR products are designed for reliability and performance. For warranty information or technical support, please refer to the contact details provided on the PROZOR official website or your purchase documentation. Please have your model number and purchase date available when contacting support.

Related Documents - PROZOR 192KHz ARC Audio Extractor

	[PROZOR 192kHz DAC Converter User Manual](#) This user manual provides instructions for the PROZOR 192kHz DAC Converter with Bluetooth 5.0, covering package contents, device features, connection diagrams, operation, Bluetooth pairing, and troubleshooting.
	[PROZOR PST158a 192kHz 5.1CH DAC Converter User Manual and Guide](#) Comprehensive guide for the PROZOR PST158a 192kHz 5.1CH Digital to Analog Audio Converter, covering package contents, setup, operation, troubleshooting, and specifications.
	[PROZOR PST054c 192KHz DAC User Manual: Digital to Analog Audio Converter with Volume Control](#) This user manual details the PROZOR PST054c 192KHz DAC, a digital to analog audio converter with volume control. It covers product specifications, interface descriptions, connection and operation, package contents, frequently asked questions, and warranty information for converting digital audio signals to analog.
	[PROZOR 4-Port Digital to Analog Converter Amplifier with Remote Control User Manual](#) User manual and specifications for the PROZOR 4-Port Digital to Analog Converter Amplifier, featuring multiple digital inputs (Toslink, Coaxial), analog outputs (RCA, AUX), and remote control operation. Includes detailed panel descriptions, connection diagrams, operation steps, and usage notes.
	[PROZOR PRR025 HDMI ARC Audio Extractor: Convert 5.1CH to Stereo](#) User manual for the PROZOR PRR025 HDMI ARC Audio Extractor. Learn how to connect and operate this device to convert 5.1 channel digital audio to stereo analog audio for your home theater system, including setup, interface details, and troubleshooting.

PROZOR HDMI Audio Extractor User Manual and Specifications

User manual and technical specifications for the PROZOR PST073a HDMI Audio Extractor. Learn about setup, connections, features, troubleshooting, and warranty for this 4K@30Hz HDMI switch with optical, 3.5mm, and RCA audio outputs.