

CAMWAY CAM025EU

CAMWAY Digital to Analog Audio Converter (Model CAM025EU) - User Manual

192kHz Optical to RCA/3.5mm DAC

INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your CAMWAY 192kHz Digital to Analog Audio Converter (Model CAM025EU). This device is designed to convert digital optical (Toslink/SPDIF) audio signals into analog RCA or 3.5mm stereo audio, allowing you to connect modern digital audio sources to older analog audio systems or headphones.



Figure 1: CAMWAY 192kHz Digital to Analog Audio Converter

WHAT'S IN THE BOX

Please verify that all items are present in your package:

- 1 x 192kHz DAC Converter
- 1 x Optical Cable (3ft/1m)
- 1 x USB Power Cable (3ft/1m)
- 1 x User Manual

- △ 1 x 192kHz DAC Converter
- △ 1 x Optical Cable(3ft/1 m)
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- △ 1 x User Manual



Figure 2: Package Contents

SETUP INSTRUCTIONS

Follow these steps to connect and configure your CAMWAY Digital to Analog Audio Converter:

1. Connect Power

1. Connect the small end of the provided USB power cable to the DC 5V input port on the converter.
2. Connect the USB-A end of the power cable to a USB power source (e.g., a TV's USB port, a USB wall adapter, or a game console's USB port). The power indicator light on the converter will illuminate.

2. Connect Audio Input

1. Using the provided optical cable, connect one end to the Optical In port on the CAMWAY converter.
2. Connect the other end of the optical cable to the digital optical output (SPDIF/Toslink) port on your audio source device (e.g., HDTV, TV Box, Blu-Ray DVD player, Game Console).

3. Connect Audio Output

1. For RCA output: Connect an RCA audio cable (not included) from the L-Out-R (red and white) ports on the converter to the corresponding RCA input ports on your analog audio system (e.g., amplifier, stereo receiver).
2. For 3.5mm output: Connect a 3.5mm audio cable (not included) from the 3.5mm port on the converter to the 3.5mm input on your headphones or audio system.

DIGITAL TO AUDIO CONVERTER

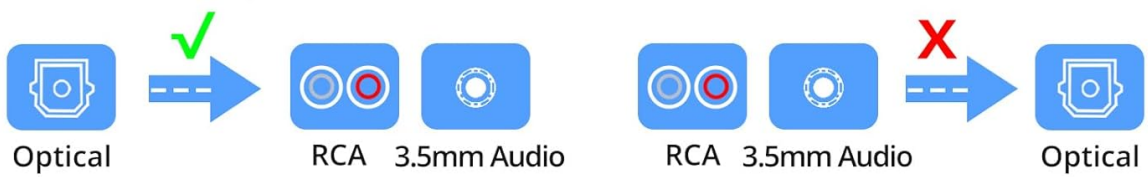
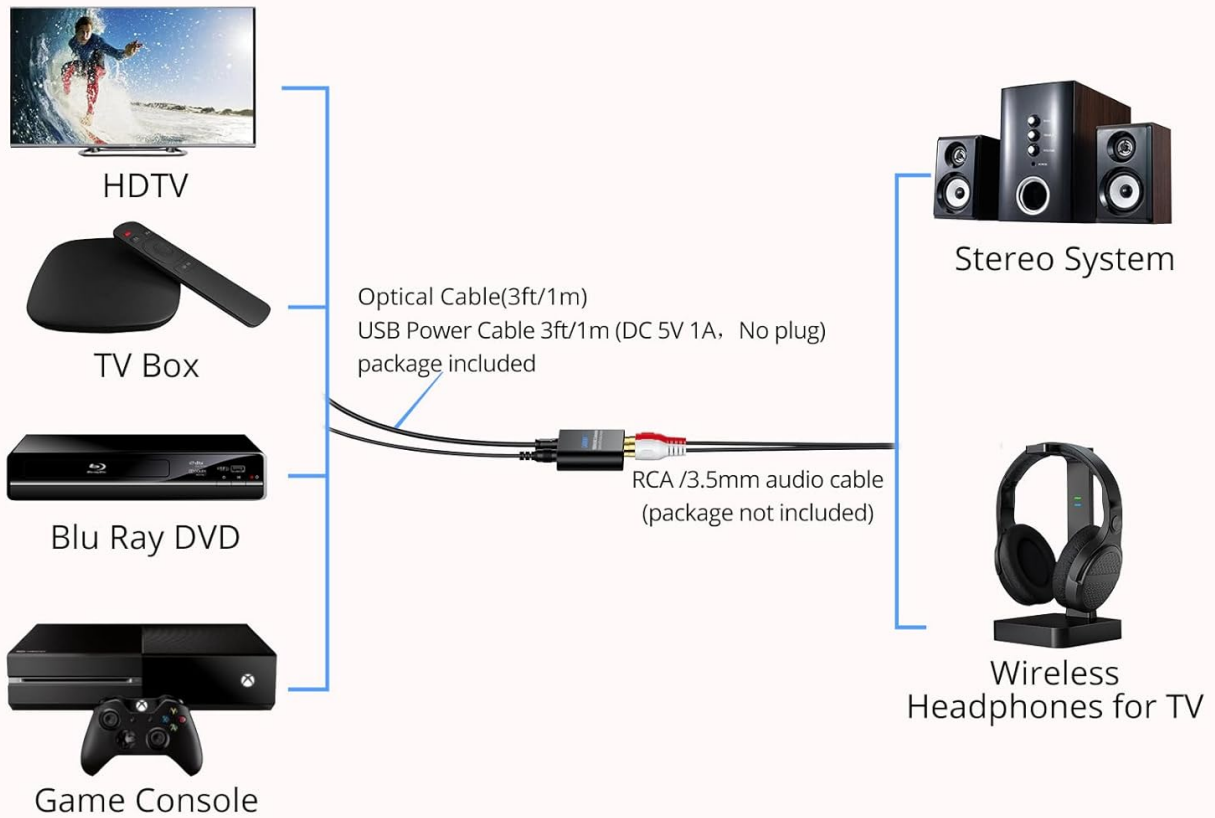


Figure 3: Connection Diagram

AUDIO AMPLIFIER CHIP

Sound: Pure & Clear

DAC: Compact & Lightweight



Figure 4: Converter Output Ports

4. Configure Source Device Audio Output (PCM Setting)

Important: The audio converter only supports PCM format. Before using, you must set your source device's digital audio output to PCM. It does not support DTS 5.1 Dolby AC3 or other 5.1 channel signals.

Below are common paths for setting audio output to PCM on various TV brands:

- **Samsung TV:** Settings > Sound > Expert Settings > Audio Format > PCM. For external speakers, select Settings > Sound > Select Speaker > Optical.
- **LG TV:** Menu > All Settings > Sound Out > Optical > Digital Sound Out > PCM. If you need to synchronize TV speakers and fiber output: Menu > All Settings > Sound Out > Optical > Internal TV Speaker + Optical.
- **Sony TV:** Device main page > System Settings > Image and Sound > Sound Settings > Digital Audio Output > PCM.

PCM SETTINGS

Set The Audio Output to PCM Before Using

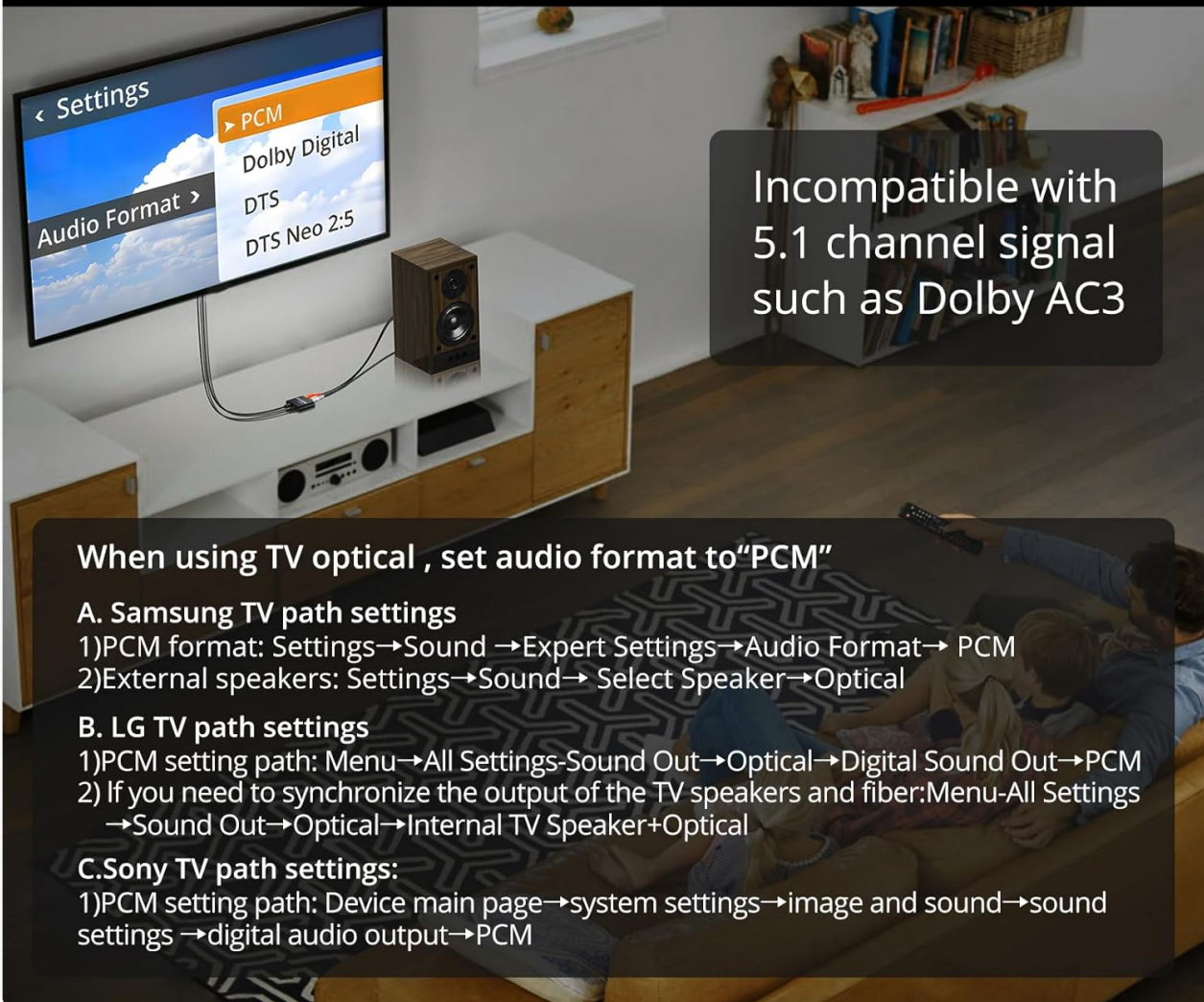


Figure 5: Setting TV Audio Output to PCM

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Video 1: Official CAMWAY video demonstrating the setup and functionality of the 192kHz Digital to Analog Audio Converter.

OPERATING INSTRUCTIONS

Once properly connected and configured, the CAMWAY Digital to Analog Audio Converter operates automatically. It is a plug-and-play device that requires no additional drivers.

- Ensure your source device's audio output is set to PCM.
- The converter will automatically process the digital audio signal and output it through the connected RCA or 3.5mm ports.
- Volume control is managed directly on your connected analog audio system or headphones, not on the converter itself.

PLUG AND PLAY

Easily Install and Operate



Figure 6: Plug and Play Operation

MAINTENANCE

To ensure the longevity and optimal performance of your audio converter, please follow these maintenance guidelines:

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the converter to moisture, extreme temperatures, or direct sunlight.
- Handle all cables and connectors with care to prevent damage.
- Do not attempt to disassemble or repair the device yourself, as this will void the warranty.

TROUBLESHOOTING

If you encounter issues with your CAMWAY Digital to Analog Audio Converter, please refer to the following common problems and solutions:

No Audio Output

- **Check Power:** Ensure the USB power cable is securely connected and the power indicator light on the converter is on.
- **Verify Connections:** Confirm that the optical input cable and RCA/3.5mm output cables are securely connected to both the converter and your audio devices.
- **PCM Setting:** Double-check that your source device's digital audio output is set to PCM format. Refer to the 'Configure Source Device Audio Output (PCM Setting)' section for detailed instructions.
- **Source Output:** Ensure your source device (TV, console) is actively outputting audio through its optical port.

Distorted or Poor Audio Quality

- **Cable Integrity:** Inspect all audio cables for any damage or loose connections. Try using different cables if available.
- **Source Audio Format:** Confirm that the source audio is PCM. Non-PCM formats (like DTS 5.1 or Dolby AC3) are not supported and will result in no sound or distorted sound.
- **Volume Levels:** Adjust the volume on your connected analog audio system or headphones. Ensure it's not set too high, causing distortion.

Incompatibility Issues

- This converter is designed for digital-to-analog conversion only (Optical/SPDIF/Toslink to RCA/3.5mm). It is not bi-directional and cannot convert analog to digital.
- As mentioned, it does not support DTS 5.1 Dolby AC3. Ensure your source is outputting PCM stereo audio.

SPECIFICATIONS

Feature	Detail
Model Number	CAM025EU
Product Dimensions	2.01 x 1.65 x 0.04 inches
Item Weight	3.88 ounces
Input	Optical (SPDIF/Toslink)
Output	RCA (L/R), 3.5mm Stereo Audio
Sampling Rate	Up to 192kHz/24-bit
Power Supply	DC 5V (via USB)
Mounting Type	Plug-and-play
Signal-to-Noise Ratio	105dB
Separating Degree (1KHz)	94dB
Response Frequency	20Hz-20kHz \pm 0.2dB
Total Harmonic Distortion (THD+N)	90dB
Operating Temperature Range	-10°C to 70°C

Feature	Detail
Storage Temperature Range	-60°C to 150°C
Operating Humidity Range	10% - 80%RH (No Condensation)
Storage Humidity Range	5% - 90%RH (No Condensation)

WARRANTY AND SUPPORT

CAMWAY products are designed for reliability and performance. This product comes with a standard manufacturer's warranty against defects in materials and workmanship. For specific warranty details, please refer to the documentation included with your purchase or contact CAMWAY customer support.

Customer Support

If you require further assistance, technical support, or have questions regarding your product, please visit the official CAMWAY website or contact their customer service department. Contact information can typically be found on the product packaging or the brand's official online presence.

For more information, you can visit the [CAMWAY Store on Amazon](#).