

LiNKFOR ULK048-US

LiNKFOR 192kHz DAC Converter Digital to Analog Audio Adapter Instruction Manual

Model: ULK048-US

INTRODUCTION

The LiNKFOR 192kHz DAC Converter is designed to convert digital optical Toslink audio signals into analog stereo RCA L/R audio. This device allows modern televisions, Blu-ray players, or game consoles with optical audio outputs to connect to older audio systems or speakers that only accept analog RCA inputs. It features a built-in audio amplifier chip to ensure clear sound output and supports high sampling rates up to 192kHz.

PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1 x LiNKFOR 192kHz DAC Converter (with integrated RCA L/R cable)
- 1 x Optical Cable
- 1 x USB Power Cable (5V 1A)



Image: The LINKFOR 192kHz DAC Converter, showing the main unit with integrated RCA cables, a separate optical cable, and a USB power cable.

PRODUCT FEATURES AND OVERVIEW

Built-in Professional Audio Amplifier Chip

The professional audio amplifier chip can amplify the RCA output level and makes the sound pure and clear.



Image: An internal diagram of the converter, illustrating the professional audio amplifier chip and 192kHz 24-bit audio sampling rate capability.



**Support Sampling Rate at
32, 44.1, 48, 96 and 192kHz**

Image: A visual representation confirming support for sampling rates at 32, 44.1, 48, 96, and 192 kHz.

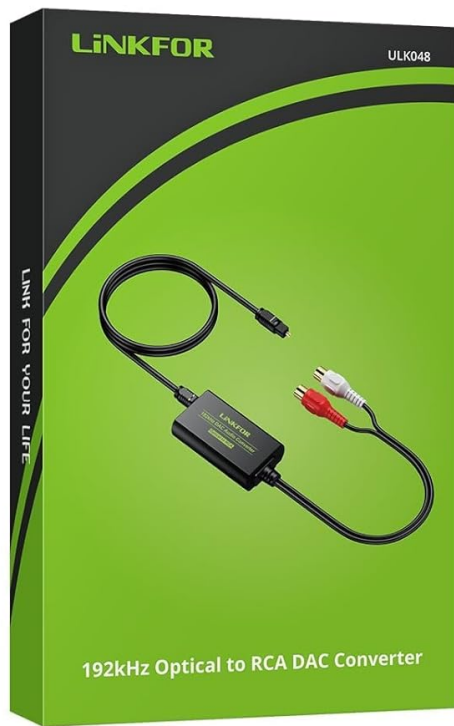


Image: The compact and lightweight design of the converter shown in a typical home entertainment setup, connected between a television and speakers.

3.9ft/1.2m Stable Transmission

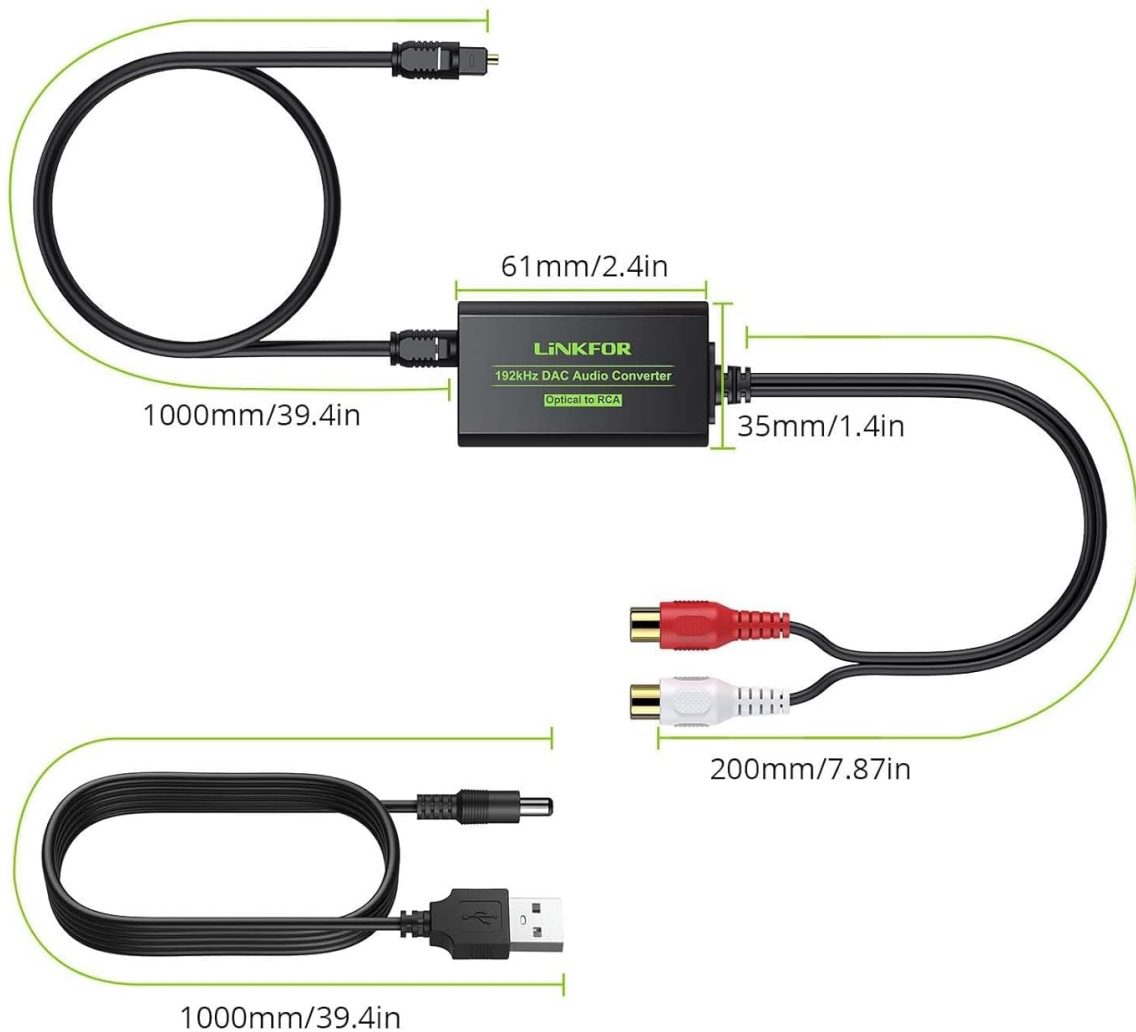


Image: A diagram detailing the dimensions of the converter unit, the optical cable (1000mm/39.4in), and the integrated RCA cable (200mm/7.87in).

SETUP INSTRUCTIONS

Follow these steps to connect your LiNKFOR DAC Converter:

1. **Connect Optical Input:** Connect one end of the provided optical cable to the optical (SPDIF/Toslink) output port of your source device (e.g., HDTV, TV Box, Blu-ray DVD player, Game Console). Connect the other end of the optical cable to the optical input port on the LiNKFOR DAC Converter.
2. **Connect RCA Output:** Connect the integrated RCA L/R cables from the LiNKFOR DAC Converter to the analog RCA L/R input ports on your audio receiving device (e.g., stereo audio system, amplifier, speakers). Ensure the red plug connects to the red (right) input and the white plug connects to the white (left) input.
3. **Connect Power:** Connect the USB power cable to the power input port on the LiNKFOR DAC Converter. Plug the other end of the USB power cable into a 5V 1A USB power source (e.g., a USB wall adapter, a USB port on your TV, or a computer USB port).
4. **Configure Source Audio Output:** This is a critical step. Access the audio settings menu on your source device (HDTV, Blu-ray player, etc.) and set the digital audio output format to **PCM** or **LPCM**. The

converter is not compatible with 5.1 channel signals such as Dolby AC3 or DTS.



Image: A diagram illustrating the connection flow from various source devices (HDTV, TV Box, Blu-ray DVD, Game Console) via optical cable to the DAC converter, and then to a stereo audio system via RCA L/R output. A note emphasizes setting the audio mode to PCM or LPCM.

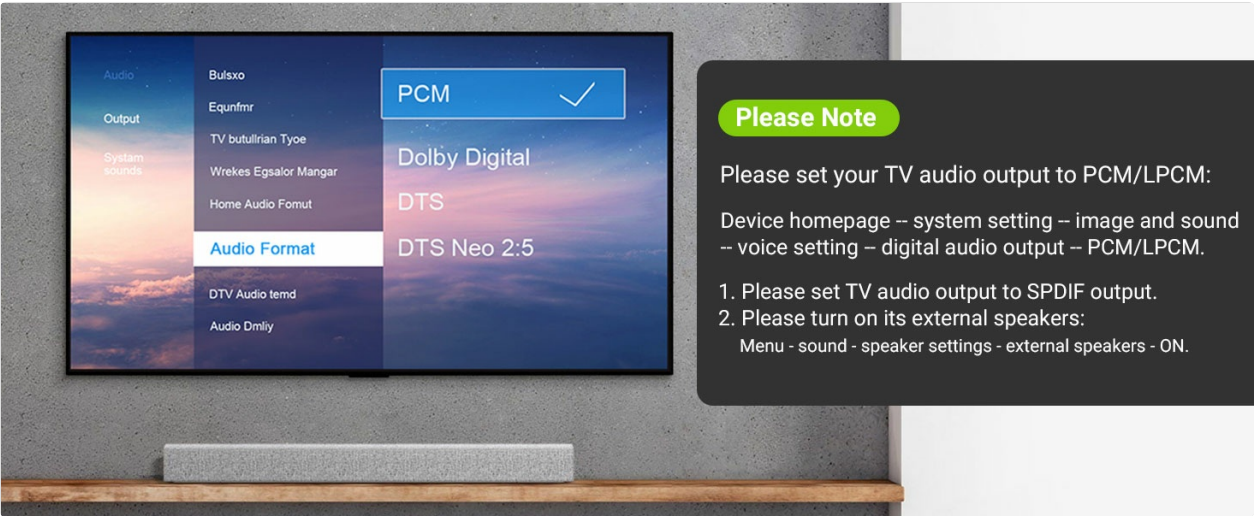


Image: A screenshot demonstrating how to navigate a TV's audio settings to select PCM as the digital audio output format. Important notes regarding SPDIF output and external speaker settings are also shown.

OPERATING INSTRUCTIONS

Once the setup is complete, the LiNKFOR DAC Converter operates on a plug-and-play basis:

1. Ensure all cables are securely connected and the USB power cable is providing power to the converter. The power indicator light on the converter should be illuminated.
2. Power on your source device and your audio receiving system.
3. Select the appropriate input on your audio receiving system (e.g., 'AUX', 'CD', 'Line In') that corresponds to where the RCA cables from the converter are connected.
4. Play audio from your source device. Sound should now be output through your analog audio system.

IMPORTANT NOTES AND COMPATIBILITY

- The converter supports digital PCM or LPCM audio formats only.
- It is **not compatible** with 5.1 channel signals such as Dolby AC3, DTS, or other surround sound formats. Ensure your source device's audio output is set to PCM/LPCM.
- Supported sampling rates include 32kHz, 44.1kHz, 48kHz, 96kHz, and 192kHz (24-bit SPDIF incoming bit stream).

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No sound output	<ul style="list-style-type: none">• Loose cable connections• Incorrect audio output format on source device• No power to the converter• Incorrect input selected on audio system	<ul style="list-style-type: none">• Ensure all optical, RCA, and USB power cables are securely connected.• Verify that the source device's digital audio output is set to PCM or LPCM.• Check if the USB power cable is connected to a working 5V 1A power source and the converter's power indicator is on.• Select the correct input on your stereo audio system.
Distorted or poor sound quality	<ul style="list-style-type: none">• Loose connections• Damaged cables• Interference	<ul style="list-style-type: none">• Check all cable connections for tightness.• Inspect optical and RCA cables for any visible damage. Replace if necessary.• Ensure the converter is not placed near devices that may cause electromagnetic interference.
Volume is lower than other inputs	Output level characteristic	This can be a characteristic of some DAC converters. Adjust the volume on your audio receiving system accordingly. Remember to lower the volume before switching to other inputs if they are significantly louder.

SPECIFICATIONS

- **Model:** ULK048-US
- **Brand:** LINKFOR
- **Input:** 1 x Optical (Toslink)
- **Output:** 2 x RCA (L/R Stereo Audio)
- **Supported Audio Format:** PCM/LPCM
- **Sampling Rate:** 32kHz, 44.1kHz, 48kHz, 96kHz, 192kHz (24-bit)
- **Power Supply:** 5V 1A via USB cable
- **Converter Dimensions (L x W):** Approximately 61mm x 35mm (2.4in x 1.4in)
- **Integrated RCA Cable Length:** Approximately 200mm (7.87in)
- **Optical Cable Length:** Approximately 1000mm (39.4in)
- **Package Dimensions:** 7.44 x 4.8 x 0.75 inches
- **Item Weight:** 3.88 ounces

MAINTENANCE

To ensure the longevity and optimal performance of your LiNKFOR DAC Converter, please follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using liquid cleaners or aerosols, as they may damage the unit.
- **Storage:** Store the converter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts.
- **Connections:** Periodically check all cable connections to ensure they are secure and free from dust or debris.



WARRANTY AND SUPPORT

For warranty information, technical support, or further inquiries regarding your LiNKFOR DAC Converter, please refer to the documentation included with your purchase or contact the seller directly. You may also visit the official LiNKFOR store for additional product information and support resources.

LiNKFOR Store: [Visit the LiNKFOR Store on Amazon](#)

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Related Documents - ULK048-US

<p>LINKFOR PS2 TO HDMI CONVERTER Video Format Settings</p> <p>Application: LINKFOR PS2 TO HDMI Converter Converts the YPbPr signal output from the PS2 to an HDMI signal output to a display device which supports the HDMI interface.</p> <p>No IMAGE after connecting this product to PS2</p> <p>1.The input signal format of this item is YPbPr signal; some users purchase the converter to set the output video format of the PS2 game console to RGB signal output, or they bought the PS2 in order to RGB signal output and don't change the setting ever. The wrong signal format which causes the problem that the image cannot be output normally after using this converter (that is the reason why some users report that the video cable can be directly connected to the display device to output an image, and the converter cannot output the image).</p> <p>2.The AV MULTI Interface of PS2 is "Multiple Video Composite Interface", which is capable of producing three kinds of video signals: RGB / YPbPr / VCoG. If the VIDEO FORMAT set incorrectly, this converter cannot</p> <p>D3v-1</p>	<h3>LINKFOR PS2 to HDMI Converter: Video Format Settings and Troubleshooting Guide</h3> <p>This guide provides essential information on setting up the LINKFOR PS2 to HDMI converter, addressing common 'No IMAGE' issues, and detailing the necessary video format configurations for optimal performance.</p>
<p>Operation manual</p> <p>2.0CH Soundbar</p> <p>SOUNDBAR SPEAKER</p>  <p>Model: SA2112</p>	<h3>LINKFOR SM-2112 2.0CH Soundbar Speaker - Operation Manual</h3> <p>Official operation manual for the LINKFOR SM-2112 2.0CH Soundbar Speaker. Learn about connections (HDMI ARC, Optical, USB, AUX, Bluetooth), playback controls, remote functions, warranty, and compliance information.</p>
<p>Reference to LINKFOR</p> <p>Please refer to following pictures for instructions for setting up the switching panel before connecting it to the system.</p> <p>The external antenna is located at the bottom left corner of the switching panel. Before connecting it to the system, please make sure the antenna is fully extended.</p> <p>This is a directional switch for 3.5mm audio switch. This 3.5mm audio switch is designed for connection with 3.5mm audio cables. It has two sets of ports: one for 3.5mm audio source signal and another for 3.5mm audio signal output.</p> <p>If you have any questions or need more information, please contact our customer service team via email or phone. We will provide you with detailed instructions and support.</p> <p>Warranty: Please keep your LINKFOR products at LINKFOR product centers with warranty of 18 months from the day of purchase. If you need any support, please feel free to contact us.</p> <p>Contact: Email: info@linkfor.com D3v-2</p>	<h3>LINKFOR ULK029 3.5mm Bi-Directional Audio Switcher User Manual</h3> <p>Detailed user manual for the LINKFOR ULK029 3.5mm bi-directional audio switcher. Learn how to connect and operate the device for switching audio sources and outputs, panel descriptions, package contents, and troubleshooting.</p>
<p>Package Contents</p>  <p>Cable 3.5mm Stereo Audio Switcher, Cable 3.5mm Stereo Audio Switcher Manual</p> <p>D3v-3</p>	<h3>LINKFOR ULK034 4 Port 3.5mm Stereo Audio Switcher User Manual</h3> <p>User manual for the LINKFOR ULK034 4 Port 3.5mm Stereo Audio Switcher. Covers package contents, panel descriptions, specifications, connection and operation, and frequently asked questions. Supports 1-in-4-out or 4-in-1-out audio switching.</p>

