

## Speaka SP-4844480

# SpeaKa Professional SP-DAC-TK/CK Digital to Analog Audio Converter User Manual

Model: SP-4844480

## INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your SpeaKa Professional SP-DAC-TK/CK Digital to Analog Audio Converter. This device is designed to convert digital audio signals from sources like TVs or receivers into analog audio signals for output to analog sound systems or headphones. Please read this manual thoroughly before using the product to ensure proper function and safety.

## SAFETY INFORMATION

- Ensure the device is placed on a stable, flat surface.
- Do not expose the converter to moisture, rain, or extreme temperatures.
- Avoid blocking ventilation openings.
- Use only the provided power adapter or one with identical specifications.
- Do not attempt to open or repair the device yourself. Refer all servicing to qualified personnel.
- Keep out of reach of children.

## PACKAGE CONTENTS

Please check that all items are present and in good condition.

- SpeaKa Professional SP-DAC-TK/CK Digital to Analog Audio Converter
- Power Adapter (5V DC)
- User Manual (this document)
- *Note: Audio cables (Toslink, Coaxial, RCA) are typically sold separately.*

## PRODUCT OVERVIEW

The SpeaKa Professional SP-DAC-TK/CK converter allows you to connect modern digital audio sources to older analog

audio systems. It supports high-resolution audio up to 192KHz/24bit.



**Image 1: Front View of Converter.** This image displays the front panel of the audio converter, featuring the "OPTICAL IN" (Toslink) port, "COAXIAL IN" port, "5V/DC 1A" power input, and a "USB POWER" port. It also shows the "Digital to Analog Audio Converter" text printed on the device.



**Image 2: Rear View of Converter.** This image shows the rear panel of the audio converter, highlighting the "ANALOG OUT" RCA (Cinch) ports (red and white) and the "POWER" indicator light.

## Key Features:

- Converts digital Toslink or Coaxial audio signals to analog RCA (Cinch) audio.
- Supports audio sampling rates up to 192KHz/24bit.
- Ideal for connecting digital audio sources (e.g., TV, Blu-ray player) to analog amplifiers or speakers.

## SETUP AND CONNECTION

Follow these steps to connect your SpeaKa Professional audio converter:

### 1. Connect Digital Audio Source:

- If using a Toslink (Optical) cable, connect one end to the digital optical output of your source device (e.g., TV, game console) and the other end to the **OPTICAL IN** port on the converter.
- If using a Coaxial cable, connect one end to the digital coaxial output of your source device and the other end

to the **COAXIAL IN** port on the converter.

2. **Connect Analog Audio Output:**

Connect RCA (Cinch) cables to the **ANALOG OUT** (red and white) ports on the converter. Connect the other end of these RCA cables to the corresponding analog audio input ports on your amplifier, receiver, or active speakers.

3. **Connect Power:**

Connect the provided 5V DC power adapter to the **5V/DC 1A** input port on the converter. Plug the power adapter into a suitable wall outlet. The **POWER** indicator light on the converter will illuminate.



**Image 3: Power Connection.** This image shows the audio converter with the power adapter connected to the 5V/DC 1A input port. The power indicator light is visible.



**Image 4: Power Adapter.** This image shows the compact 5V DC power adapter included with the converter.

#### 4. **Configure Source Device:**

Ensure your digital audio source device (e.g., TV) is configured to output audio via its optical or coaxial digital output. You may need to adjust audio settings in your device's menu to select the correct output format (e.g., PCM/LPCM stereo, not Dolby Digital or DTS, as this converter typically supports only PCM).

## OPERATING INSTRUCTIONS

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Once all connections are made and the converter is powered on, it will automatically convert the incoming digital audio signal to analog.

- **Power Indicator:** The blue **POWER** LED indicates that the device is receiving power.
- **Audio Output:** Ensure your analog audio system (amplifier, speakers) is turned on and set to the correct input channel where the converter is connected.
- **Volume Control:** Volume control is managed by your analog audio system, not the converter.



## MAINTENANCE

The SpeaKa Professional SP-DAC-TK/CK converter requires minimal maintenance.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosols.
- **Storage:** If storing the device for an extended period, disconnect it from power and store it in a cool, dry place.

## TROUBLESHOOTING

| Problem           | Possible Cause                                                                                                                                                                                                                                                                        | Solution                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No audio output   | <ul style="list-style-type: none"><li>◦ Power not connected</li><li>◦ Incorrect input/output cables</li><li>◦ Source device audio settings incorrect</li><li>◦ Unsupported audio format (e.g., Dolby Digital/DTS)</li><li>◦ Analog audio system off or wrong input selected</li></ul> | <ul style="list-style-type: none"><li>◦ Ensure power adapter is securely connected and POWER LED is on.</li><li>◦ Verify all audio cables are correctly connected to the appropriate input/output ports.</li><li>◦ Check your source device's audio output settings. Set to PCM/LPCM stereo.</li><li>◦ Ensure your analog audio system is powered on and set to the correct input.</li></ul> |
| Distorted audio   | <ul style="list-style-type: none"><li>◦ Poor cable connection</li><li>◦ Volume too high on source or analog system</li></ul>                                                                                                                                                          | <ul style="list-style-type: none"><li>◦ Check and re-secure all cable connections.</li><li>◦ Adjust volume levels on both the source device and the analog audio system.</li></ul>                                                                                                                                                                                                           |
| POWER LED not lit | <ul style="list-style-type: none"><li>◦ No power to the adapter</li><li>◦ Faulty power adapter or converter</li></ul>                                                                                                                                                                 | <ul style="list-style-type: none"><li>◦ Check wall outlet and power adapter connection.</li><li>◦ Try a different power outlet. If the issue persists, contact customer support.</li></ul>                                                                                                                                                                                                   |

## SPECIFICATIONS

|                         |                                                               |
|-------------------------|---------------------------------------------------------------|
| Model Number            | SP-4844480                                                    |
| Brand                   | Speaka Professional                                           |
| Input Interfaces        | 1 x Toslink (Optical), 1 x Coaxial                            |
| Output Interfaces       | 2 x RCA (Cinch) Analog Audio (L/R)                            |
| Supported Audio Formats | PCM/LPCM Stereo (Note: Does not support Dolby Digital or DTS) |
| Sampling Rate           | Up to 192KHz/24bit                                            |
| Power Supply            | 5V DC, 1A (via included power adapter)                        |
| Dimensions (L x W x H)  | 6.3 x 6.8 x 2.3 cm                                            |
| Weight                  | 66 g                                                          |
| Number of Channels      | 2                                                             |

## WARRANTY AND SUPPORT

SpeaKa Professional products are designed for reliability and performance.

- **Warranty:** This product typically comes with a manufacturer's warranty. Please refer to the warranty card included with your purchase or visit the official SpeaKa Professional website for detailed warranty terms and conditions.
- **Technical Support:** For technical assistance, troubleshooting beyond this manual, or inquiries about spare parts, please contact SpeaKa Professional customer support. Contact information can usually be found on the product packaging or the official brand website.
- **EU Spare Part Availability:** 1 Year.

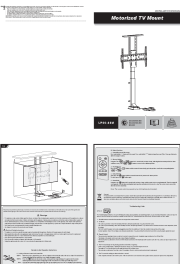
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Image 5: SpeaKa Professional Logo. This image displays the official logo for SpeaKa Professional.



Related Documents - SP-4844480

|                                                                                     |                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><a href="#">SpeaKa Smart Motorized TV Ceiling Mount User Manual and Safety Information</a></p> <p>Comprehensive guide for the SpeaKa Smart Motorized TV Ceiling Mount (models 2531304/SP-TVCM-510 and 2531305/SP-TVCM-520), covering intended use, safety instructions, installation, operation, cleaning, maintenance, and technical specifications.</p> |
|  | <p><a href="#">SpeaKa HT 60/80 Datasheet: Technical Specifications &amp; Frequency Response</a></p> <p>Detailed technical specifications and SPL vs. Frequency response graph for the SpeaKa HT 60/80 speaker. Includes impedance, power handling, frequency range, SPL, mounting dimensions, and more from Conrad Electronic.</p>                           |
|  | <p><a href="#">Motorized TV Mount LP66-46M Installation Manual</a></p> <p>Comprehensive installation manual for the LP66-46M Motorized TV Mount, detailing assembly, operation, and troubleshooting.</p>                                                                                                                                                     |

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|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <p><a href="#">SpeaKa Professional Monitor Holder with Gas Pressure Spring: Safety, Use, and Technical Data</a></p> <p>Detailed safety instructions, intended use, handling, installation, maintenance, and technical specifications for SpeaKa Professional gas spring monitor holders (models SP-MM-900, SP-MM-910, SP-MM-920, SP-MM-930). Includes table specifications and warnings.</p> |
|   | <p><a href="#">PizzaMaster 700/800/900 Series Parts Overview and List</a></p> <p>Comprehensive parts overview and list for PizzaMaster 700, 800, and 900 series ovens. Find part numbers, descriptions, and diagrams for essential oven components.</p>                                                                                                                                      |
|  | <p><a href="#">Bostik ISOGRIP® Adhesives: ICC-ES Evaluation Report ESR-1140 for Sandwich Panels</a></p> <p>Comprehensive ICC-ES evaluation report (ESR-1140) for Bostik's ISOGRIP® Adhesives. Details product specifications, applications in structural sandwich panels, installation guidelines, and compliance with IBC, IRC, and California building codes.</p>                          |

Documents - Speaka – SP-4844480

[pdf] Instructions

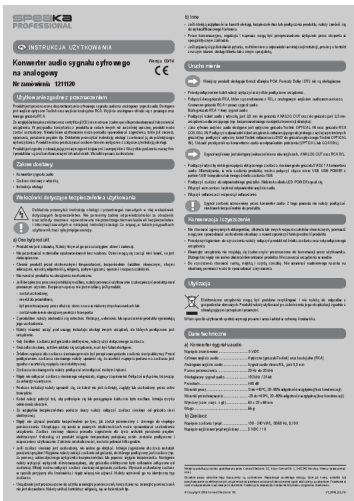
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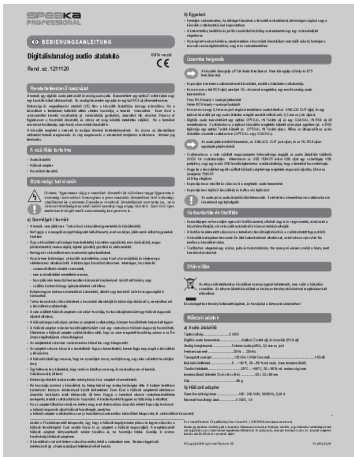






[pdf] Instructions

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[pdf] Instructions

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**KONFORMITÄTSERKLÄRUNG  
DECLARATION OF CONFORMITY**

Conrad Electronic SE  
Klaus Conrad Str. 1  
D-95520 Heide

Erklären, dass (Produkt (Produkte))  
Erklären, dass (die Produkte))

| Bestell Nr.<br>Order No. | Bezeichnung<br>Description              | Modell Nr.<br>Model No. |
|--------------------------|-----------------------------------------|-------------------------|
| 1211120                  | SPEAKA DIGITAL - ANALOG AUDIO KONVERTER | 12AC-02                 |

Konformitätserklärung gemäß Richtlinie, Normen und/oder Verordnungen,  
et/ou la conformité avec la/des directive(s), norme(s) et/ou règlement(s).

EMV Richtlinie 2004/108/EG / EMC directive 2004/108/EC  
EN 55013:2001 +A1:2003 +A2:2006  
EN 55013-2:2008 +A1:2008 +A2:2008  
EN 55013-3:2008  
EN 55013:2001 +A1:2001

LVD Richtlinie 2006/95/EG / LVD directive 2006/95/EC  
EN 60950-1:2006 +A1:2009 +A2:2013 +A3:2013

ErP Richtlinie 2009/125/EG / ErP directive 2009/125/EC  
Verordnung (EU) Nr. 661/2009

RoHS Richtlinie 2011/65/EU / RoHS directive 2011/65/EU  
CE Zeichen auf dem Produkt / CE marking on product

CE

Heide, 15.07.2014

Conrad Electronic SE  
Klaus Conrad Str. 1  
D-95520 Heide  
Basis für die Konformitätserklärung  
Authorisation representative of manufacturer

[\[pdf\]](#) Decleration of Conformity

Convertisseur audio SpeaKa Professional SP 4844480 1x Cinch RCA femelle Toslink ODT 2x Conrad  
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