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› Neoteck 192kHz Optical to RCA DAC Converter (Model NTK004a) Instruction Manual

Neoteck NTK004a

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INTRODUCTION

This manual provides instructions for the Neoteck 192kHz Optical to RCA Digital to Analog Audio Converter, Model NTK004a. This device is designed to convert digital optical (SPDIF/Toslink) audio signals into analog RCA stereo audio, enabling connection of modern digital audio sources to older analog audio systems.

The converter features a built-in audio amplifier chipset for enhanced sound clarity and supports a high sampling rate of 192kHz/24Bit. Its compact design integrates the RCA cables for convenience and space-saving installation.



Image: Neoteck 192kHz Optical to RCA DAC Converter with integrated cables.

SETUP INSTRUCTIONS

Follow these steps to connect and set up your Neoteck DAC Converter:

1. **Connect Optical Input:** Insert the optical (Toslink) cable from your digital audio source (e.g., HDTV, Blu-ray player, game console) into the optical input port on the Neoteck converter.
2. **Connect RCA Output:** Connect the integrated RCA (Red and White) cables from the converter to the analog audio input ports on your stereo amplifier, receiver, or active speakers.
3. **Connect Power:** Plug the USB power cable into the converter's power input and connect the other end to a standard USB power source (e.g., a USB port on your TV, a USB wall adapter, or a power bank).
4. **Configure Audio Output:** **Crucially, set your source device's audio output format to PCM (Pulse Code Modulation).** This converter does not support 5.1 channel signals like Dolby AC3 or DTS.



Image: Connection diagram for the Neoteck DAC converter.



Image: Important note on setting TV audio output to PCM.

Setting Audio Output to PCM:

- **For Samsung TVs:** Go to *Settings > Sound > Expert Settings > Audio Format > Select **PCM***. Then, for external speakers, go to *Settings > Sound > Select Speaker > Choose **Optical***.
- **For LG TVs:** Go to *Menu > All Settings > Sound > Sound Out > Select **Optical** > Choose **PCM***. If you need to synchronize TV speakers and optical output, select **Internal TV Speaker + Optical**

OPERATING INSTRUCTIONS

The Neoteck DAC Converter is designed for simple plug-and-play operation once properly connected and configured.

- Ensure all cables are securely connected and the power is supplied to the converter.
- Verify that your audio source device's digital optical output is set to PCM format.
- Adjust the volume level directly on your connected stereo amplifier, receiver, or active speakers. The converter itself does not have volume controls.



Image: Neoteck DAC converter in a home audio setup, highlighting its compact design.

MAINTENANCE

To ensure the longevity and optimal performance of your Neoteck DAC Converter, please observe the following 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.
- Do not attempt to disassemble or modify the device, as this will void the warranty and may cause damage.
- Handle all cables with care to prevent damage to connectors or wiring.

TROUBLESHOOTING

If you encounter issues with your Neoteck DAC Converter, refer to the following common problems and solutions:

- **No Sound Output:**
 - Ensure all optical, RCA, and USB power cables are securely connected.
 - Verify that the source device's digital audio output is set to **PCM**. This is the most common cause of no sound.
 - Check the volume level on your connected amplifier or speakers.
 - Confirm the converter is receiving power (some models may have an indicator light).
- **Distorted or Poor Sound Quality:**
 - Check for loose cable connections.
 - Ensure the optical cable is not bent or damaged, as this can affect signal integrity.
 - Verify that the sampling rate of your source device is compatible (up to 192kHz).
- **5.1 Channel Audio Not Working:**
 - The Neoteck DAC Converter supports only 2.0 channel PCM stereo audio. It is incompatible with 5.1 channel signals such as Dolby AC3 or DTS. You must change your source device's audio output setting to PCM.

SPECIFICATIONS

Feature	Detail
Brand	Neoteck
Model	NTK004a
Interface	Optical (Input), RCA (Output)
Audio Output Mode	Stereo (2 Channels)
Sampling Rate	Up to 192kHz / 24Bit
Compatible Devices	HDTVs, set-top boxes, DVD/Blu-Ray players, game consoles (with PCM audio output)
Material	ABS
Power Supply	5.5 volts (via USB)
Included Components	1*DAC Converter, 1*Optical Cable, 1*Manual, 1*Power Cable



Image: Internal view highlighting the high-performance chipset.



Image: Gold-plated connectors for reliable signal transmission.

WARRANTY INFORMATION

The Neoteck 192kHz Optical to RCA DAC Converter (Model NTK004a) comes with an**18-month warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product functions as described under normal use. Please retain your proof of purchase for warranty claims.

CUSTOMER SUPPORT

For any questions, technical assistance, or warranty claims regarding your Neoteck DAC Converter, please contact Neoteck customer support. Refer to the product packaging or the official Neoteck website for the most current contact information.

PRODUCT VIDEOS

Your browser does not support the video tag.

Video: Overview of the Neoteck 192kHz DAC Converter, demonstrating its features and components. (Duration: 1:06)

Your browser does not support the video tag.

Video: Detailed look at the upgraded Neoteck 192kHz SPDIF to RCA Converter, including setup tips. (Duration: 0:36)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question