

AUTOUTLET EFU152

AUTOUTLET 192kHz DAC Digital to Analog Audio Converter EFU152 User Manual

Model: EFU152

1. INTRODUCTION

The AUTOUTLET EFU152 192kHz DAC Digital to Analog Audio Converter is designed to convert digital optical (SPDIF/Toslink) audio signals into analog RCA and 3.5mm stereo audio outputs. This device allows you to connect modern digital audio sources, such as HDTVs, DVD/Blu-Ray players, and game consoles, to older analog audio systems, headphones, or speakers. It features a professional audio amplifier chip for clear sound and supports a 192kHz/24-bit sampling rate for high-fidelity audio experiences.

2. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 1 x AUTOUTLET 192kHz DAC Digital to Analog Audio Converter (Model EFU152)
- 1 x Optical Cable (3ft/1m)
- 1 x USB Power Cable (3ft/1m)
- 1 x User Manual



Image: The AUTOUTLET EFU152 DAC converter, optical cable, USB power cable, and user manual shown within its product packaging.

3. PRODUCT OVERVIEW

The AUTOUTLET EFU152 converter is a compact device with integrated cables for ease of use. It features an optical input for digital audio and RCA (red/white) and 3.5mm stereo outputs for analog audio. A USB port provides power to the unit.



Image: The AUTOUTLET EFU152 DAC converter unit with its integrated optical input cable and attached RCA and 3.5mm output cables, along with the USB power input.



Image: A visual representation illustrating the conversion process from a single SPDIF digital audio input to dual analog outputs: RCA (red and white) and a 3.5mm stereo jack.

4. SETUP INSTRUCTIONS

Follow these steps to connect and set up your AUTOUTLET EFU152 converter:

1. **Connect the Optical Input:** Connect one end of the provided optical cable to the digital optical audio output (SPDIF/Toslink) of your source device (e.g., TV, DVD player, game console). Connect the other end to the optical input on the AUTOUTLET EFU152 converter.
2. **Connect the Analog Outputs:** Connect the RCA (red and white) cables from the converter to the corresponding analog audio input ports on your amplifier, stereo receiver, or active speakers. Alternatively, connect a 3.5mm audio cable from the converter's 3.5mm output to headphones or speakers.
3. **Connect Power:** Connect the USB power cable to the converter's power input port and the other end to a USB power source (e.g., a TV's USB port, a USB wall adapter, or a computer's USB port). A 5V 1A power adapter (not included) is recommended for stable operation.
4. **Configure Source Device Audio Output:** It is crucial to set your source device's digital audio output format to **PCM (Pulse Code Modulation)**. The converter does not support 5.1 channel signals like Dolby AC3 or DTS. Refer to your source device's manual for specific audio settings.

OPTICAL TO RCA 3.5MM CONVERTER

It is not compatible with 5.1 channel signals such as Dolby AC3

Please set the TV audio format to PCM before use,
otherwise it is incompatible and will not work.

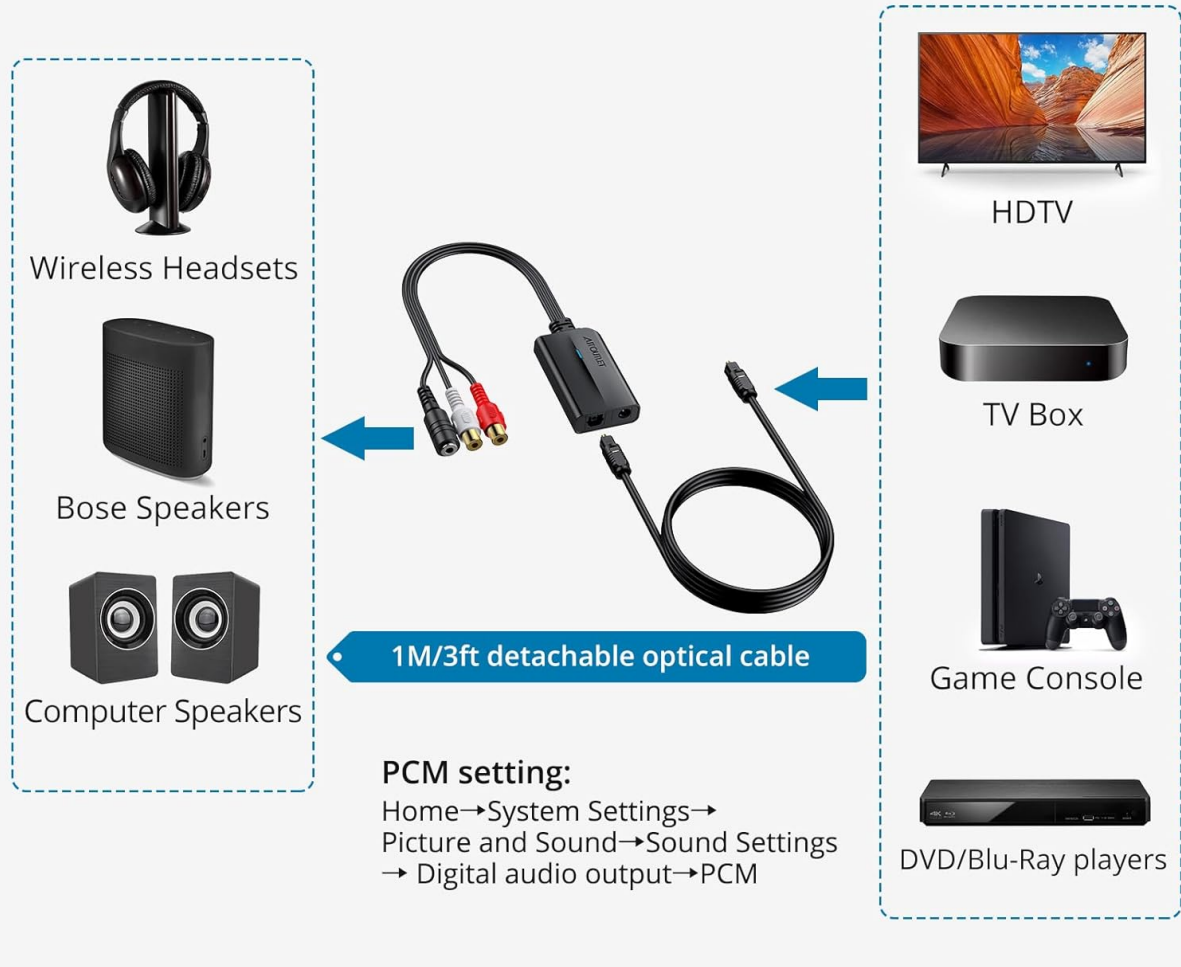


Image: A diagram illustrating how to connect the optical output from devices like HDTVs, TV Boxes, Game Consoles, and DVD/Blu-Ray players to the DAC converter, which then outputs to analog devices like wireless headsets, Bose speakers, or computer speakers. Important note about setting TV audio format to PCM is also shown.

Example PCM Setting Paths (may vary by device):

- **General:** Home → System Settings → Picture and Sound → Sound Settings → Digital audio output → PCM
- **Samsung TV:** Settings → Sound → Expert settings → Audio format → PCM
- **LG TV:** Menu → All settings → Sound output → Optical → Digital sound output → PCM

5. OPERATING INSTRUCTIONS

Once properly connected and configured, the AUTOUTLET EFU152 converter operates automatically. It is a plug-and-play device that requires no additional software or drivers.

- Ensure all cables are securely connected.
- Verify your source device's audio output is set to PCM.
- The blue indicator light on the converter will illuminate when powered on and receiving a valid digital audio signal.
- Adjust the volume directly on your connected analog audio device (amplifier, headphones, speakers).

The converter does not have volume control.

PLUG AND PLAY

Integrated cable design, can be hung,
No additional space required for converters.



Notes:

1. RCA on SPDIF is **not supported**
2. The volume of the TV's fiber optic output **cannot** be with the control, but only in the system settings of the TV.

Image: A person watching television with the DAC converter connected, demonstrating its plug-and-play functionality and integrated cable design for minimal space usage. Notes indicate that RCA on SPDIF is not supported and TV fiber optic output volume is controlled via TV system settings.

6. SPECIFICATIONS

Feature	Specification
Housing Material	ABS
Supported Audio Format	PCM
Sampling Rate	32 ~ 192 kHz
Bit Rate	16 ~ 24 bit
Input Electrical Level	-0.3V ~ +3.6V
Output Electrical Level	2V
Maximum Output Power	0.3W

Working Voltage	+5.5V
Maximum Power Consumption	100mA
Operating Temperature Range	-10°C ~ 70°C
Storage Temperature Range	-60°C ~ 150°C
Dimensions (Converter Unit)	5.8cm x 3.4cm (approx. 2.28in x 1.34in)
Optical Cable Length	1m (3ft)
USB Power Cable Length	1m (3ft)
Audio Cable Length (RCA/3.5mm)	0.18m (7.08in)

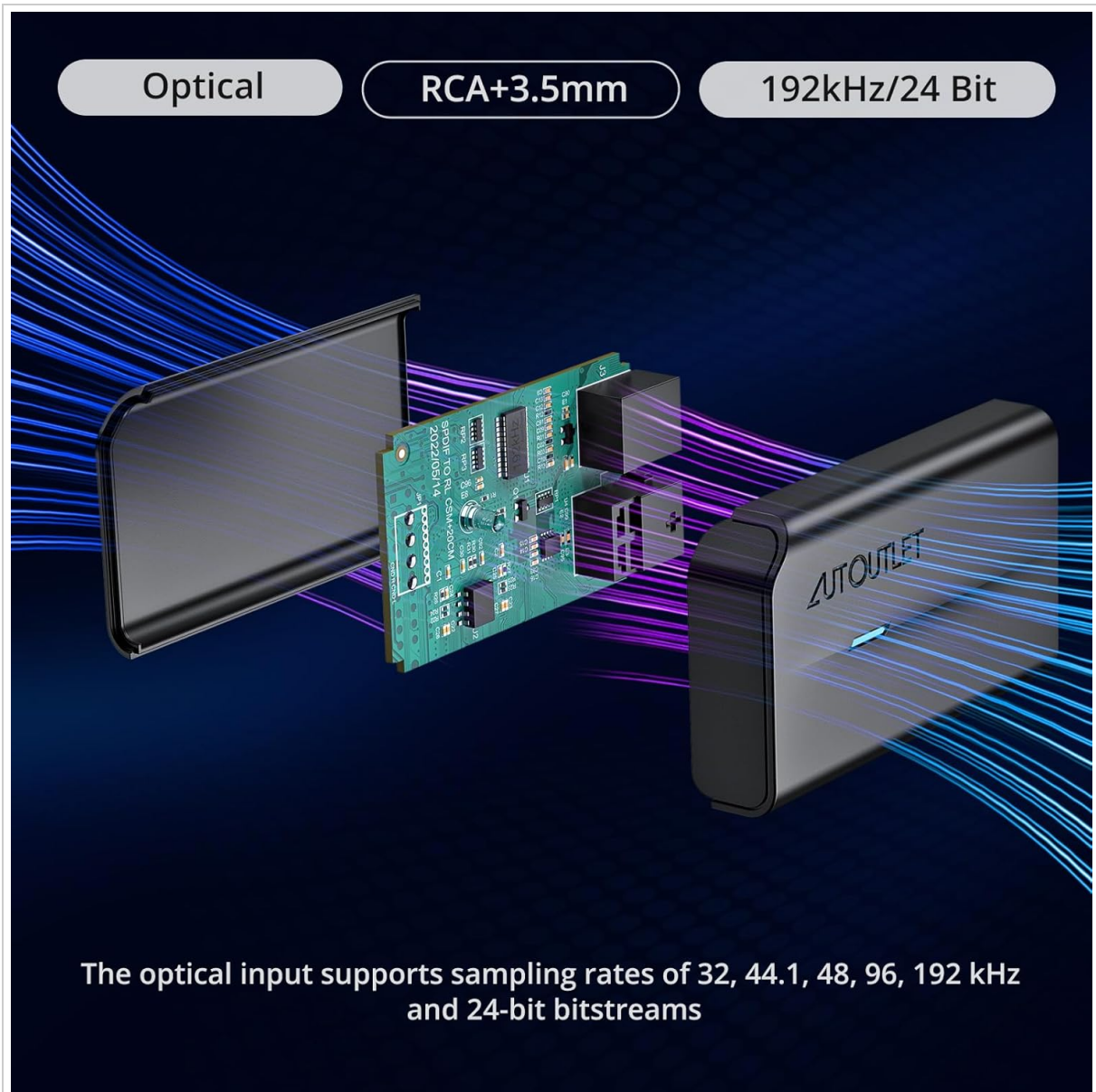


Image: An internal view of the DAC converter's circuit board, highlighting its capability to support optical input sampling rates of 32, 44.1, 48, 96, and 192 kHz, along with 24-bit bitstreams.

COMPACT AND LIGHTWEIGHT DESIGN

1M Optical Cable + 0.18M Audio Cable + 1M Power Cable

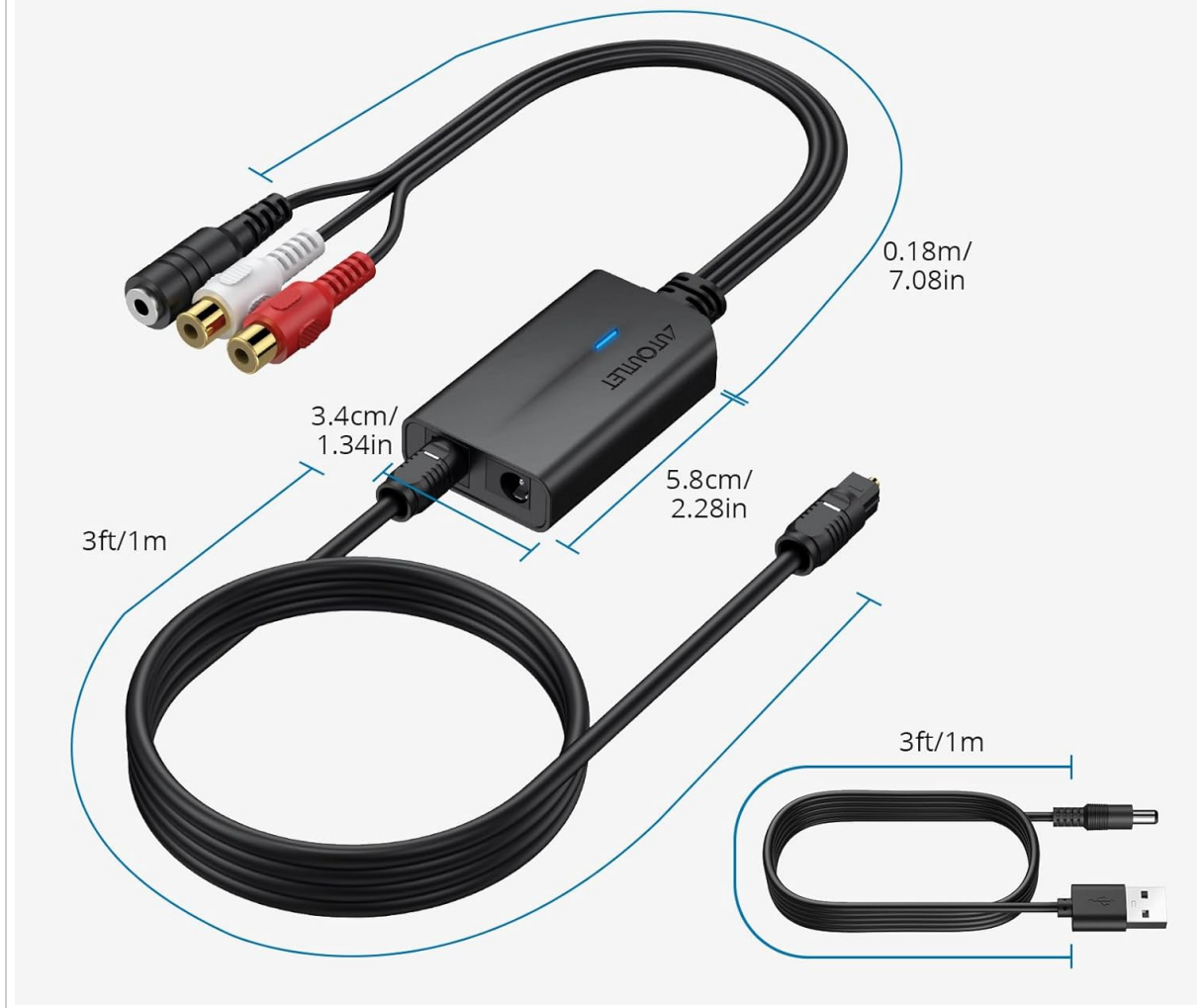


Image: A detailed diagram showcasing the compact and lightweight design of the DAC converter, including its dimensions (5.8cm x 3.4cm) and the lengths of the integrated optical cable (1m), audio cable (0.18m), and USB power cable (1m).

7. TROUBLESHOOTING

If you encounter issues with your AUTOUTLET EFU152 converter, please refer to the following common problems and solutions:

- **Problem: The converter is not working or producing sound.**

Solution:

- a. Ensure the converter is properly powered via the USB cable. The blue indicator light should be on.
- b. Verify that your source device's digital audio output is set to **PCM**. This converter is not compatible with 5.1 channel signals such as Dolby AC3 or DTS.
- c. Check all cable connections to ensure they are secure and correctly inserted.

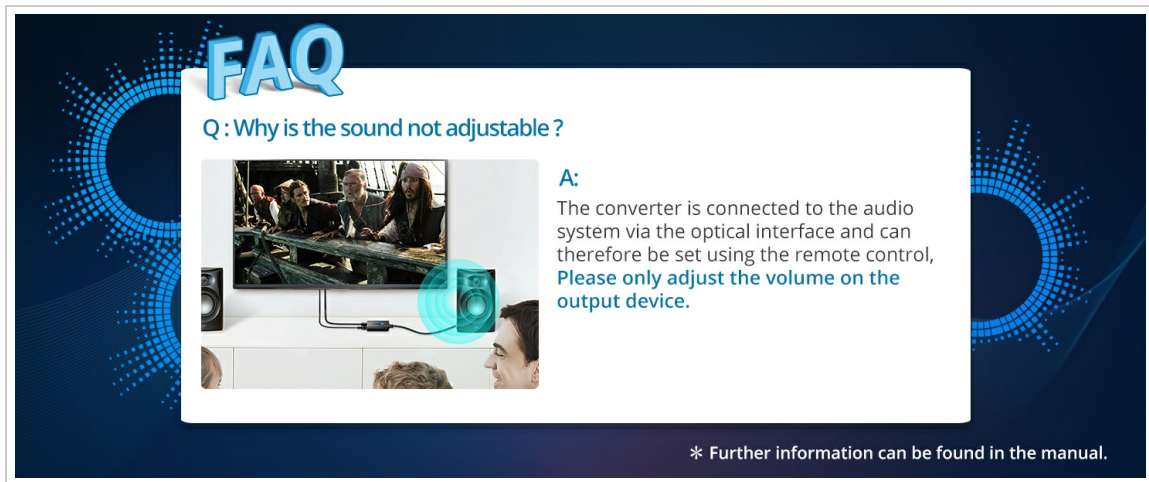


Image: A troubleshooting guide explaining that the converter is not compatible with 5.1-channel signals like Dolby AC3 and instructs users to set their TV's audio output to PCM, with examples for Samsung and LG TVs.

- **Problem: The sound volume is not adjustable from the converter.**

Solution: The AUTOUTLET EFU152 converter does not have its own volume control. Volume must be adjusted directly on your connected analog output device (e.g., amplifier, headphones, speakers).

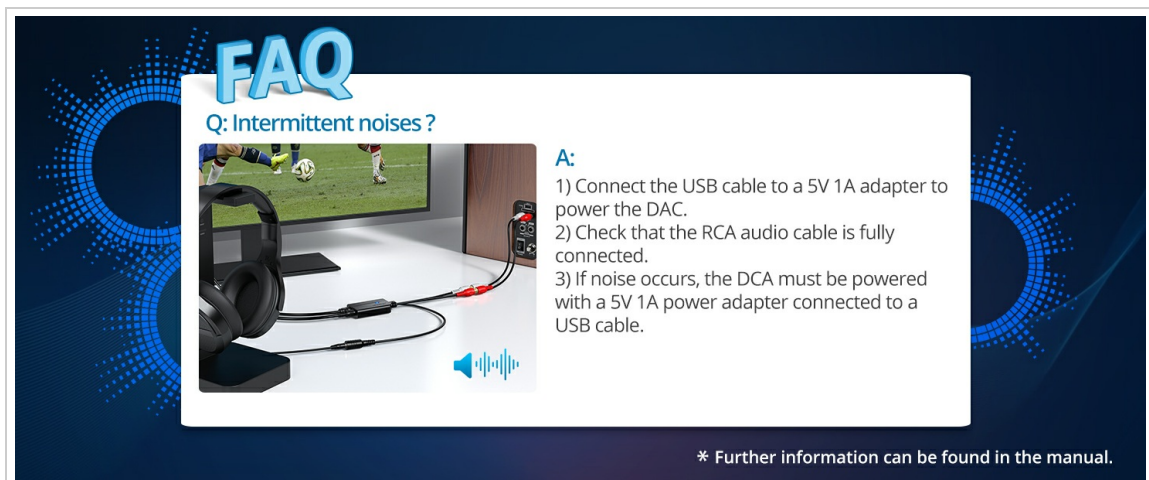


Image: A troubleshooting guide addressing non-adjustable sound, clarifying that the converter's volume is controlled by the connected audio system via the optical interface, and users should adjust volume on the output device.

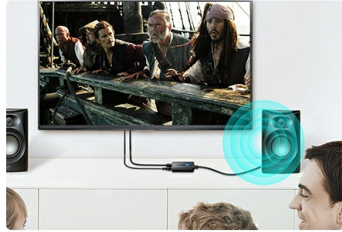
- **Problem: Intermittent noises or poor sound quality.**

Solution:

- Ensure the USB power cable is connected to a stable 5V 1A power adapter. Insufficient power can cause instability.
- Check that the RCA or 3.5mm audio cables are fully and securely connected to both the converter and your output device.
- Test with different cables if possible to rule out faulty cables.

FAQ

Q : Why is the sound not adjustable ?



A:
The converter is connected to the audio system via the optical interface and can therefore be set using the remote control, **Please only adjust the volume on the output device.**

* Further information can be found in the manual.

Image: A troubleshooting guide for intermittent noises, advising to connect the USB cable to a 5V 1A adapter, check RCA cable connections, and power the DAC with a 5V 1A adapter if noise persists.

8. MAINTENANCE

To ensure the longevity and optimal performance of your AUTOUTLET EFU152 converter, follow these simple maintenance guidelines:

- Keep the device in a dry environment, away from moisture and extreme temperatures.
- Avoid exposing the converter to direct sunlight or heat sources.
- Clean the device with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- Handle cables carefully to prevent damage to connectors or wiring.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your purchase or contact AUTOUTLET customer service through their official channels. Specific warranty terms and conditions may vary.