

MP-DAVC — Digital Audio Converter w/ Volume Control



Product Overview

The **MP-DAVC** converts coaxial or TOSLINK digital audio to analog L/R and 3.5mm audio outputs. It also supports USB audio input and can mix USB audio with TOSLINK or COAX audio to the output. Output volume can be adjusted directly from the unit.

Key Features

- Supports up to 24-bit / 192 kHz input audio.
- TOSLINK, Coaxial and USB-C audio inputs.
- USB-C UAC 1.0 audio input with audio mixing support.
- Analog 3.5mm and dual RCA outputs.
- Output volume adjustment.
- LPCM 2.0 audio support.
- Compact USB-C powered design.

Input	TOSLINK / Coaxial / USB-C
Output	1 × 3.5mm audio jack; 2 × RCA
Maximum Input	24-bit / 192 kHz
Output Audio	LPCM 2.0, 48 kHz
Power	USB-C; DC 5V / 1A
Dimensions	66 × 66 × 22.5 mm
Net Weight	55 g
Manual Version	MP-DAVC_2026V1.0

Application: Suitable for converting and managing digital audio from media players, game consoles and Blu-ray sources for analog speakers and headsets.

Technical Specifications

Product	MP-DAVC Digital Audio Converter w/ Volume Control
Digital Inputs	TOSLINK / Coaxial
USB Input	USB-C, UAC 1.0
TOSLINK / Coaxial Format	LPCM 2.0
Input Sample Rates	32 / 44.1 / 48 / 96 / 192 kHz
Input Bit Depth	Up to 24-bit
Outputs	1 × 3.5mm audio jack; 2 × RCA
Output Format	LPCM 2.0
Output Sample Rate	48 kHz
Frequency Response	20 Hz – 20 kHz, ±1 dB
THD+N	<0.05% @ 1 kHz
SNR	>90 dB (1 kHz sine, A weighting)
Crosstalk	<–80 dB
Power Supply	DC 5V / 1A
Power Consumption	0.46 W
Operating Temperature	–5°C to +55°C
Relative Humidity	10% – 90%
Dimensions	66 × 66 × 22.5 mm
Net Weight	55 g

Panel / Control Details

TOSLINK	Optical digital audio input
COAX	Coaxial digital audio input
USB-C	USB audio input / power connection
RCA L/R	Analog stereo audio output
3.5mm	Analog audio output for headset / auxiliary connection
Volume Control	Adjusts output volume
Audio Mixing	USB audio can be mixed with TOSLINK or COAX audio

Package Contents

- 1 × MP-DAVC
- 1 × USB-A to USB-C cable
- 1 × User Manual

Warranty: As specified in the supplied product manual.

System Diagram



System Application

The MP-DAVC accepts digital audio from sources such as a game console or Blu-ray player through TOSLINK or COAX. USB audio can also be connected and mixed with the digital source. The converted analog audio is then available through the RCA or 3.5mm outputs for speakers, headsets or other analog audio equipment.

SOURCE	MP-DAVC	OUTPUT
Game Console / Blu-ray / USB Audio	Digital-to-Analog Conversion Volume Control Audio Mixing	Analog Speaker / Headset

Document Reference: User Manual MP-DAVC_2026V1.0 • Functions updated through March 2026.