



Optoma Class Leading Mobile DAC User Manual

[Home](#) » [Optoma](#) » Optoma Class Leading Mobile DAC User Manual 



Optoma

nuForce
uDAC3
Class leading mobile DAC



Contents

- [1 FCC Notice – Declaration of Conformity Information](#)
- [2 INTRODUCTION](#)
 - [2.1 Features](#)
 - [2.2 Front Cover Descriptions](#)
- [3 Product Overview](#)
- [4 Connections](#)
- [5 SPECIFICATIONS](#)
- [6 Documents / Resources](#)
 - [6.1 References](#)
- [7 Related Posts](#)

FCC Notice – Declaration of Conformity Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Only peripherals complying with the FCC class B limits may be attached to this equipment. Changes or modifications made to this equipment, not expressly approved by us or parties authorized by us could void the user's authority to operate the equipment. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

INTRODUCTION

The NuForce μ DAC is a high-performance USB Digital Audio Converter (DAC) that connects your personal computer's audio to your home stereo, desktop sound system, or headphones. The quality and versatility of the μ DAC's performance belie its diminutive size. With its extensive power supply, filtering capabilities, and charge-pump circuit as a foundation, the μ DAC accurately processes incoming data via a USB audio receiver. A D/A converter stage then translates the data into an analog signal with a robust 2.0-Vrms-output capability. The NuForce μ DAC's performance equals or exceeds that of a great many audiophile CD players. The unit's exemplary flexibility — analog RCA, digital coaxial, and high-performance headphone outputs — is bound to satisfy the needs of the most critical music lover.

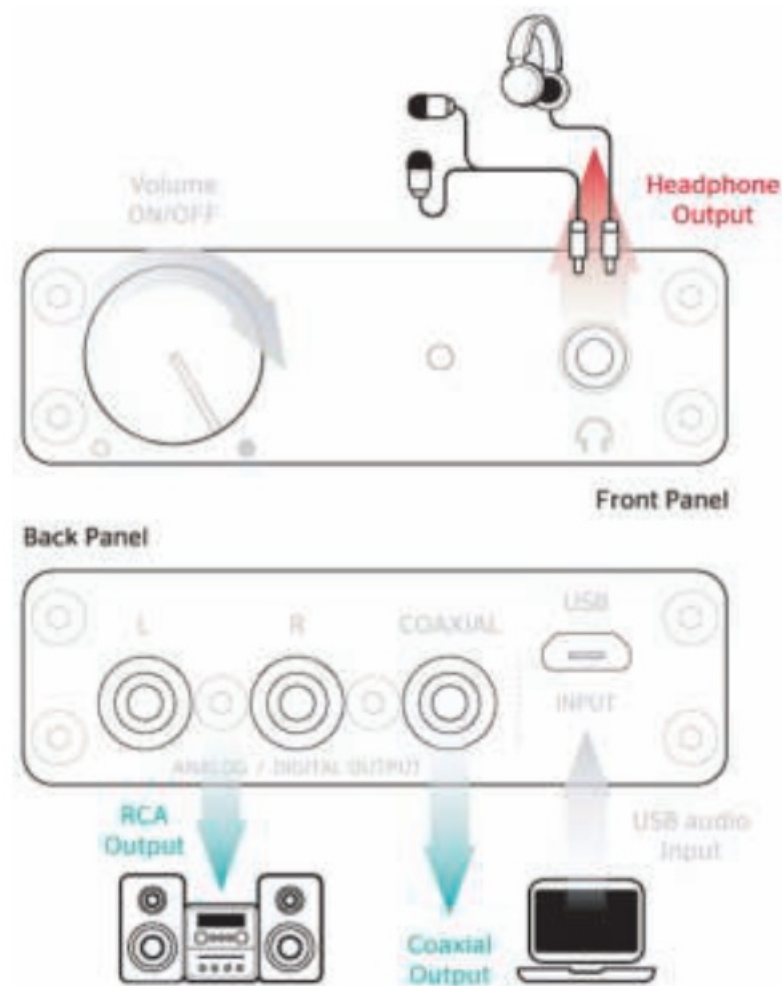
Features

- 24-bit, 96kHz support
- Discrete USB audio receiver and D/A converter
- Asynchronous operation provides double jitter-reduction at data input and over-sampling filter stages
- High voltage 2V analog output
- No capacitors in the audio signal path
- Low power consumption
- Coaxial S/PDIF output
- High-quality analog volume control
- USB powered, no external power supply required

Front Cover Descriptions

- High-performance USB Audio DAC delivers superior sound by connecting your computer or tablet to your home stereo or headphones
- Works with PC and Mac USB Audio
- Portable via USB power (a powered USB hub is needed for a tablet with limited USB power)

Product Overview



Connections

- Input: 1 x Micro USB input
- Output:
 - f* 1 x RCA
 - f* 1 x Coaxial
 - f* 1 x 3.5mm headphone output

SPECIFICATIONS

Input	1 x Micro USB (USB 1.1, 2.0 compatible)
Output	1 x RCA 1 x Coaxial 1 x 3.5 mm headphone output
Headphone Power Output	80 mW x 2 @ 16 ohm
Native Bit Rate	32, 44.1, 48, 96 kHz, 24-bit
Dynamic Range	90 dB
THD+N	0.05%
Power	USB Bus powered, 80 mA/5V
S/N Ratio	98 dB
Dimensions (Depth x Width x Height)	1.5 inches (3.8 cm) x 2.68 inches (6.8 cm) x 0.83 inches (2.1 cm)



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Documents / Resources



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Class Leading Mobile DAC, uDAC3, APUDACS

References

-  [Optoma Global](#)

Manuals+.