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Fosi Audio MD3

Fosi Audio MD3 Portable DAC Headphone Amplifier User Manual

Model: MD3

Introduction

The Fosi Audio MD3 is a compact and portable Digital-to-Analog Converter (DAC) and headphone amplifier designed to enhance your audio experience. Featuring a high-performance ESS ES9039Q2M DAC chip and four ES9603Q amplifier chips, it delivers clear, high-fidelity sound. Its magnetic design allows for convenient attachment to your smartphone, and dual USB-C ports support both charging and audio playback. The MD3 is compatible with a wide range of headphones and devices, including iPhone 15, Android, iPad, Mac, and Windows PCs.

Package Contents

Before you begin, please ensure all items are present in the package:

- Fosi Audio MD3 Unit
- L-shaped USB-C to USB-C cable
- USB-C to USB-C Cable
- USB-C to USB-A Adapter
- User Manual

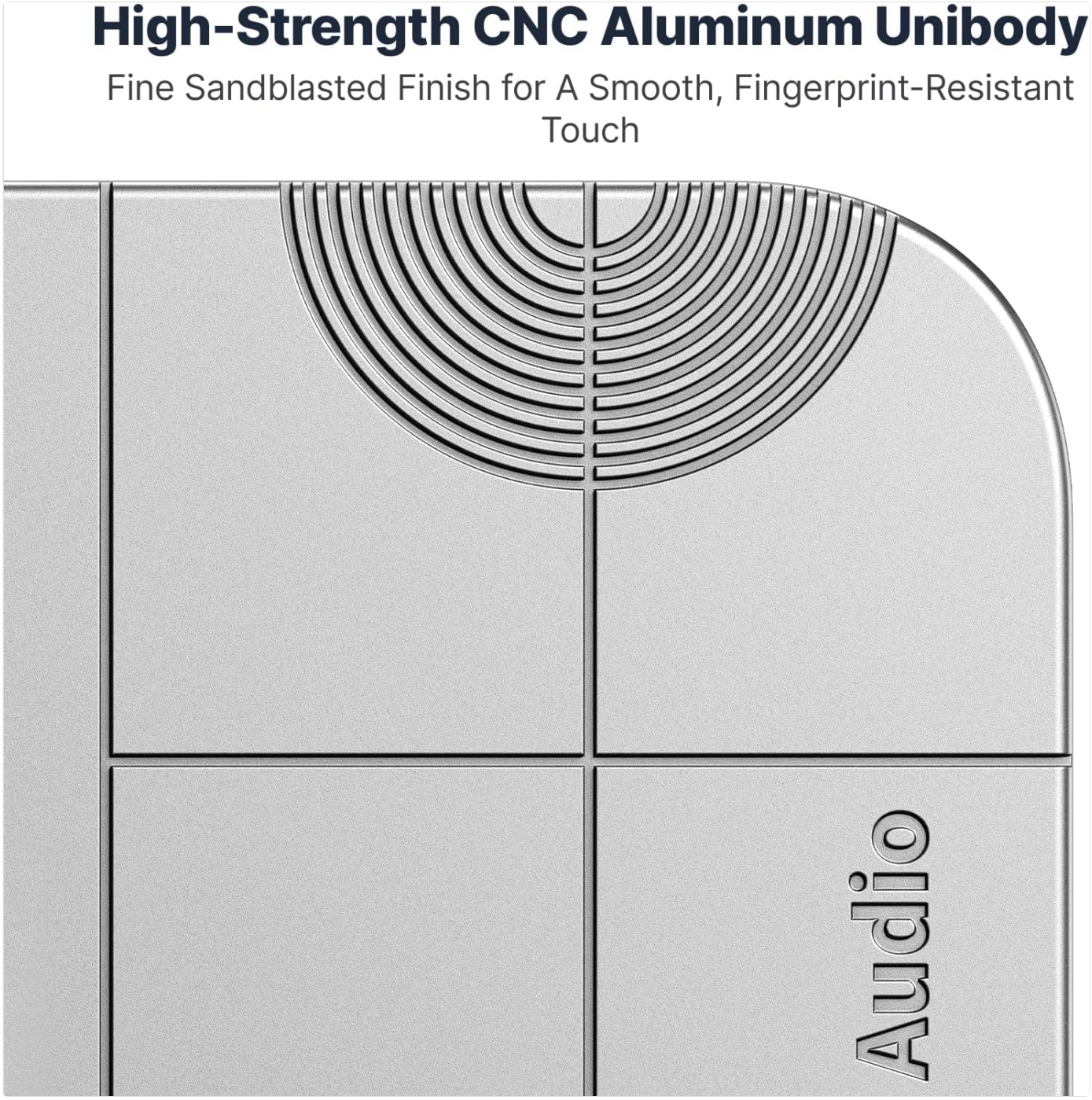


Figure 1: What's in the Box? - Fosi Audio MD3 and accessories.

Setup

1. **Connect to Source Device:** Use the provided USB-C to USB-C cable to connect the MD3 to your smartphone, tablet, or computer. For devices with a USB-A port, use the USB-C to USB-A adapter.
2. **Magnetic Attachment (Optional):** The MD3 features an N52 high-strength magnetic leather back panel. Align the MD3 with the magnetic area on your phone (if compatible) for secure attachment.



Figure 2: Magnetic attachment of the MD3 to a smartphone.

3. **Connect Headphones:** Plug your 3.5mm single-ended or 4.4mm balanced headphones into the corresponding output jacks on the MD3.
4. **Power On:** The MD3 draws power directly from the connected source device. It will power on automatically once connected.

Operating Instructions

Controls and Display

The MD3 features a 1.28-inch circular LCD screen and several buttons for control.



Figure 3: Front view of the MD3 highlighting the LCD Display and Vista Button.



Figure 4: Side view of the MD3 showing control buttons.

- **Volume Control:** Use the Volume+ and Volume- buttons to adjust the 100-level volume. The device retains volume memory.
- **Menu/Confirm Button:** Press to navigate menus or confirm selections.
- **Vista Button:** Provides tactile feedback and can be long-pressed to lock/unlock.
- **LCD Display:** Shows playback status, volume level, and allows for customization with images and interactive features.

Audio Playback

Once connected and headphones are plugged in, begin playing audio from your source device. The MD3 will process the digital audio signal and output it to your headphones.



Figure 5: MD3 connected to a laptop for audio playback.

Charging Functionality

The MD3 supports pass-through charging. Connect a power source to the second USB-C port on the MD3 to charge your connected phone while listening to audio.



Figure 6: MD3 with charge-through design, allowing simultaneous listening and charging.

Compatibility

The MD3 supports UAC 2.0 for high-resolution audio and UAC 1.0 for devices like PS5 and Nintendo Switch. It is compatible with iPhone 15, Android phones, iPads, Mac, and Windows PCs.

Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the MD3. Avoid using liquid cleaners or solvents.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the MD3 with care to prevent damage to the ports or internal components.

Troubleshooting

Problem	Possible Cause	Solution
No sound output	Incorrect connection Low volume on MD3 or source device Incompatible audio format Faulty cable or headphones	Ensure all cables are securely connected. Increase volume on both the MD3 and your source device. Check if the audio format is supported. Test with different cables or headphones.
Device not recognized by computer/phone	Driver issue (Windows/Mac) Incorrect USB mode Faulty USB port/cable	For Windows/Mac, ensure necessary drivers are installed (usually plug-and-play). Check MD3 settings for UAC mode (UAC 1.0/2.0). Try a different USB port or cable. Restart your source device.
Intermittent audio or static	Loose connection Interference Damaged cable	Verify all connections are secure. Move away from other electronic devices that may cause interference. Replace the audio or USB cable.
MD3 gets warm during use	Normal operation	This is normal, especially during extended use or when driving high-impedance headphones. If it becomes excessively hot, disconnect and contact support.

Specifications

Feature	Detail
DAC Chip	ESS ES9039Q2M
Amplifier Chips	4x ES9603Q
THD+N	0.00075%
Frequency Response	20 Hz - 48 kHz
Headphone Impedance	16 - 300 Ω
Output Power (3.5mm)	80mW @32Ω
Output Power (4.4mm)	180mW @32Ω
Dimensions	5.39 x 4.57 x 1.61 inches (Package)
Item Weight	5.6 ounces
Connectivity	Dual USB-C (charging and playback), 3.5mm, 4.4mm

Feature	Detail
Compatibility	UAC 2.0, UAC 1.0 (PS5/Switch), iPhone 15, Android, iPad, Mac, Windows PCs

Warranty and Support

Fosi Audio offers a 365-day exchange policy and hassle-free support for their products. If you encounter any issues or have questions, please contact Fosi Audio customer service.

- **Exchange Policy:** 365-day exchange for eligible products.
- **Support:** Contact Fosi Audio for assistance with product issues, replacements, or technical inquiries.

For further assistance, visit the official Fosi Audio store:Fosi Audio Store

Official Product Videos

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Detailed operating instructions for the Fosi Audio MD3 Mini Amplifier, demonstrating its features and usage.

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A visual guide to the display features of the Fosi Audio MD3 Headphone DAC Amp, showcasing its interface and customization options.

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An overview of the manufacturing process for the Fosi Audio MD3 Portable Amplifier, highlighting its construction.

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