MUSEHIFI M3

MUSEHIFI M3 Curved Designed DAC and Headphone Amplifier User Manual

MODEL: M3

Introduction

Thank you for choosing the MUSEHIFI M3. This manual provides detailed instructions for the proper use, setup, and maintenance of your M3 Curved Designed DAC and Headphone Amplifier. Please read this manual thoroughly before operating the device to ensure optimal performance and longevity.

Product Overview

The MUSEHIFI M3 is a high-performance portable Digital-to-Analog Converter (DAC) and headphone amplifier, engineered for superior audio quality. It features a premium ES9038Q2M DAC chip, independent amplification, and dual headphone outputs (3.5mm and 4.4mm balanced) to deliver a clean, powerful, and detailed sound experience.

This image displays the MUSEHIFI M3 device, highlighting its sleek, curved design and compact size. The device is black with subtle branding.
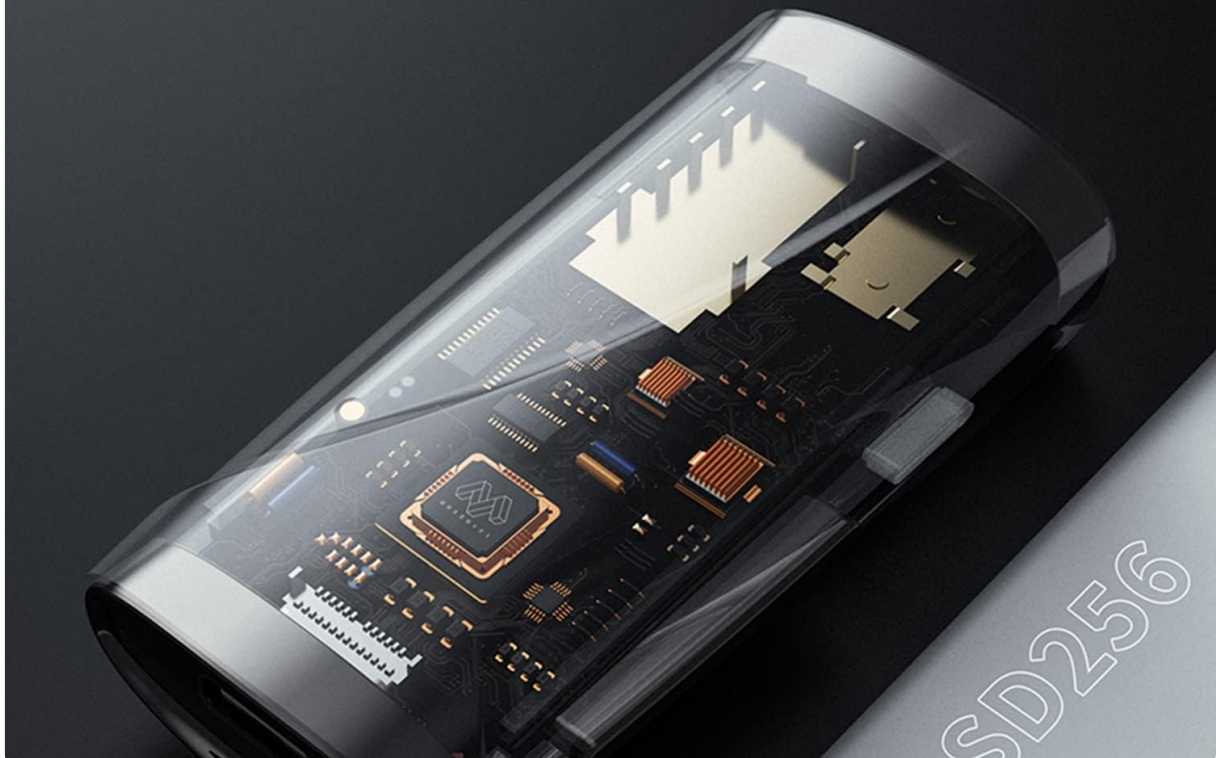
Key Features

- Premium ES9038Q2M DAC chip for high-resolution audio decoding (32-bit PCM, DSD256).

- Independent ES9603Q amplifier chip for powerful output.

- Dual headphone outputs: 3.5mm single-ended and 4.4mm balanced.

- 60-level volume adjustment with memory function.

- Seven in-built digital filters for sound customization.

- Driver-free operation for most devices.

- SA9227 USB Master for reliable connectivity.

- Charming, elegant arc-shaped portable design with five-axis CNC machined carvings.

UNIQUE DESIGN WITH EXCELLENT PERFORMANCE

The unique arc-shaped portable decoding design is one of a kind decoding device in terms of looks. The arc-shaped design is made for the custom circuit structure. Dual output design that has balanced and single ended output. There are also five-axis fine carvings that make the complex curves of the M3 looks like a work of art.
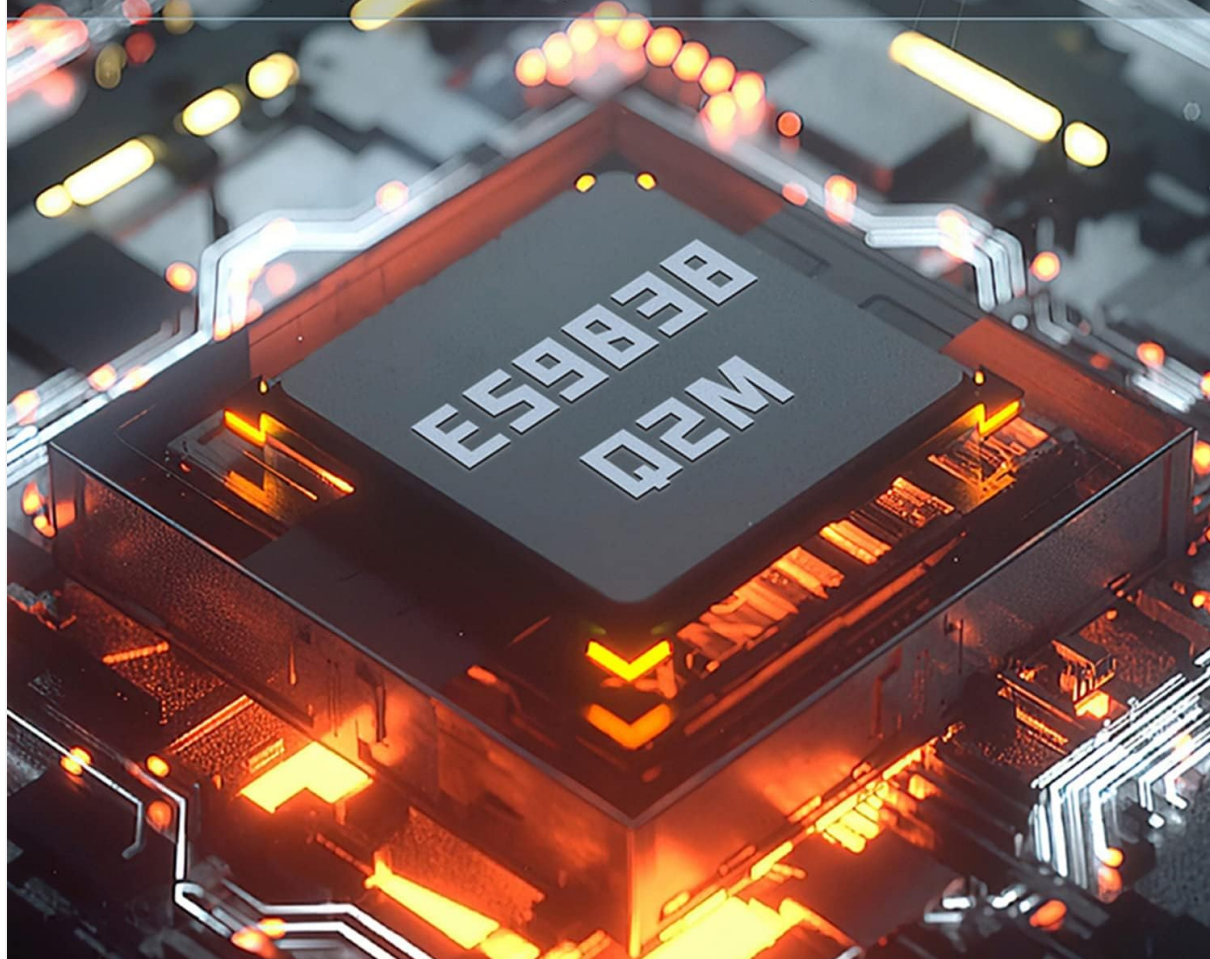
LXDAC

A detailed view of the MUSEHIFI M3's internal circuitry, visible through a transparent section, illustrating the unique arc-shaped design and custom circuit structure. This image emphasizes the intricate engineering within the device.

It uses the ESS flagship DAC ESS9038Q2M, and maximize its performance with independent op amp to give an output with more impact and cleaner output.

This image provides a close-up view of the ES9038Q2M DAC chip integrated into the MUSEHIFI M3's circuit board, highlighting its central role in audio processing.

Setup Instructions

Connecting to a Source Device

1. Identify the Type-C USB input port on your MUSEHIFI M3.
2. Connect the M3 to your source device (e.g., smartphone, tablet, computer) using a compatible USB-C cable. The M3 is designed for driver-free operation with most modern operating systems.
3. Ensure the M3 receives power from the source device. An indicator light may illuminate upon successful connection.

Connecting Headphones

1. The M3 features two headphone output ports: a 3.5mm single-ended output and a 4.4mm balanced output.
2. Select the appropriate headphone cable for your headphones. For balanced headphones, use the 4.4mm output. For standard headphones, use the 3.5mm output.
3. Insert your headphone connector firmly into the chosen output port.

Operating Instructions

Volume Adjustment

The MUSEHIFI M3 features physical volume keys for a 60-level volume adjustment. Press the '+' button to increase volume and the '-' button to decrease volume. The device remembers the volume level independently for both 3.5mm and 4.4mm outputs.

Digital Filter Switching

The M3 offers 7 pre-built digital filter settings to customize the audio output. To access and switch between these filters:

1. Press and hold the main button on the M3.

2. The LED indicator light will flash to indicate the current filter setting. For example, if you switch to the fourth type, it will flash 4 times.

3. Release the button when the desired filter is indicated.

- **Rapid roll-off of linear phase (Fast Roll-Off, Linear Phase Filter):** Low-order reverb, neutral tone, naturally suitable for strong and fast songs.

- **Slow roll-off of linear phase (Slow Roll-Off, Linear Phase Filter):** Low-order reverb, neutral tone, good details, belongs to the monitoring style.

- **Linear phase fast cutting (Apodizing, Fast Roll-Off, Linear Phase Filter):** Medium-level reverberation, strong music texture, suitable for fast-paced songs.

Brand:MUSE HiFi

Model:M3

DAC:ESS9038Q2M

AMP:ESS9603Q

USB:SA9227

Output Interface:3.5mm
single-ended/4.4mm balanced

Input Interface:Type-C USB

Button:Volume up/down/mute/filter switch
Decoding Specification:Max PCM: 32bit/384KHZ

THD+N:single-ended0.0008%,
balanced0.0007% 1KHz 32Ω

Signal-to-noise ratio :122DB (1KHZ 32 Ω)

Features:60-level volume adjustment,
support power-off memory

Weight:≈50g

Size:59.5*29.5*15.5mm

This image details the seven digital filter options of the MUSEHIFI M3, explaining their characteristics and suitable music genres. It also shows the device's indicator light.

Maintenance and Care

- Keep the device clean by wiping it with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- Protect the M3 from extreme temperatures, direct sunlight, and moisture.
- Avoid dropping or subjecting the device to strong impacts.
- When not in use, store the M3 in a safe place to prevent damage.

Troubleshooting

No Sound Output

- Ensure the M3 is properly connected to both the source device and headphones.
- Check the volume level on both the M3 and your source device.
- Verify that the correct audio output is selected on your source device (e.g., USB DAC).

- Test with different headphones or a different USB cable.

Distorted Sound

- Reduce the volume level on both the M3 and your source device.

- Ensure your audio files are not corrupted or of low quality.

- Check for any loose connections.

Device Not Recognized by Computer

- Try connecting to a different USB port on your computer.

- Restart your computer.

- Ensure your operating system is up to date.

- If issues persist, consult the MUSEHIFI support website for potential driver updates (though typically driver-free).

Technical Specifications

Feature	Detail
Model	M3
DAC Chip	ESS ES9038Q2M
AMP Chip	ESS ES9603Q
USB Controller	SA9227
Output Interfaces	3.5mm Single-Ended, 4.4mm Balanced
Input Interface	Type-C USB
Max PCM Decoding	32-bit/384kHz
DSD Decoding	DSD256
THD+N (Single-Ended)	0.0008%
THD+N (Balanced)	0.0007% (1kHz 32Ω)
Signal-to-Noise Ratio	122dB (1kHz 32Ω)
Volume Adjustment	60-level, with power-off memory
Weight	Approx. 50g
Dimensions (L x W x H)	59.5mm x 29.5mm x 15.5mm

FILTER SWITCHING, 7 FILTER OPTIONS

Up to 7 filter settings, providing consumers with more options for adjustment parameter. It can be accessed by pressing and holding the main button of M3 volume (if you switch to each filter mode, the M3 indicator will flash several times, if you switch to the fourth type, it will flash 4 times). Individually customized special-shaped lamp posts to highlight product details.

1. Rapid roll-off of linear phase
Fast Roll-Off, Linear Phase Filter

Low-order reverb, neutral tone, naturally suitable for strong and fast songs

2. Slow roll-off of linear phase
Slow Roll-Off, Linear Phase Filter

Low-order reverb, neutral tone, good details, belongs to the monitoring style

3. Linear phase fast cutting
Apodizing.Fast Roll-Off, Linear Phase Filter

Medium-level reverberation, strong music texture, suitable for fast-paced songs

This image presents a comprehensive list of the MUSEHIFI M3's technical specifications, such as the DAC and AMP chips used, output types, decoding capabilities, and physical dimensions.

Warranty and Support

For warranty information and technical support, please refer to the official MUSEHIFI website or contact your authorized dealer. Keep your purchase receipt as proof of purchase for warranty claims.
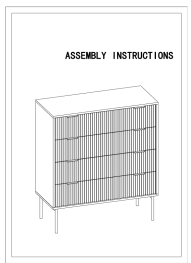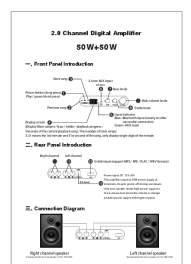
For further assistance, you may visit the HiFiGo Store at HiFiGo Store.

Related Documents - M3

MUSE HiFi M3 II Portable Audio Player - User Guide and Safety Instructions
Comprehensive guide for the MUSE HiFi M3 II portable audio player, covering setup, operation, safety instructions, and indicator light meanings. Learn how to connect to mobile devices and optimize your listening experience.

	[Rockville KRYPTON Series Class D Mono Block Amplifiers Owner's Manual](#) Comprehensive owner's manual for Rockville KRYPTON Series Class D 1-Ohm stable mono block amplifiers, covering installation, wiring, settings, features, specifications, and troubleshooting.
	[Rockville RVA-M3/RVA-M2 Owner's Manual: Installation, Settings, and Troubleshooting](#) Comprehensive owner's manual for Rockville RVA-M3 and RVA-M2 car amplifiers. Covers installation, wiring, system settings, features, specifications, and troubleshooting tips for optimal performance.
	[Assembly Instructions for Furniture Cabinet](#) Comprehensive assembly guide for a furniture cabinet, detailing all parts, hardware, and step-by-step instructions with textual descriptions of diagrams. Suitable for DIY home assembly.
	[Rockville RVA-M3/RVA-M2 Amplifier Owner's Manual: Installation, Wiring, and Troubleshooting Guide](#) Comprehensive owner's manual for Rockville RVA-M3 and RVA-M2 Class D monoblock car amplifiers. Includes installation instructions, wiring diagrams, settings adjustment, features, specifications, and troubleshooting guide.
	[Nobsound 2.0 Channel Digital Amplifier 50W+50W User Guide](#) Comprehensive guide to the Nobsound 2.0 Channel Digital Amplifier (50W+50W), detailing front panel controls, rear panel connections, input options, and speaker compatibility for optimal audio setup.