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CHORD ELECTRONICS Mojo 2

CHORD ELECTRONICS Mojo 2 Portable DAC/Headphone Amplifier User Manual

Brand: CHORD ELECTRONICS

Model: Mojo 2

1. INTRODUCTION AND OVERVIEW

The CHORD ELECTRONICS Mojo 2 is a state-of-the-art portable Digital-to-Analog Converter (DAC) and headphone amplifier, designed to deliver exceptional audio fidelity for audiophiles on the go. It represents a significant advancement over its predecessor, incorporating proprietary technology and enhanced features to provide a superior listening experience.

At its core, the Mojo 2 utilizes Chord's proprietary Field-Programmable Gate Array (FPGA) based digital processing, featuring a 40,900-tap filter. This advanced architecture ensures unparalleled clarity, detail, and precise timing across all audio frequencies, surpassing the performance of conventional DAC chips.



Figure 1: Front view of the Mojo 2, highlighting its compact design and control spheres.

2. SETUP

2.1 Connecting Your Devices

The Mojo 2 offers versatile connectivity options to integrate with a wide range of digital audio sources, including personal computers, laptops, smartphones, and tablets.

- **Micro USB Input:** Connect your source device (e.g., smartphone, tablet, computer) using a Micro USB cable. This input supports up to 768kHz/32-bit audio.
- **3.5mm Jack Coaxial Input:** For coaxial digital audio sources, use a 3.5mm coaxial cable. This input also supports up to 768kHz/32-bit audio.
- **Optical TOSLINK Input:** Connect optical digital audio sources via a TOSLINK cable. This input supports up to 96kHz/24-bit audio.
- **Headphone Outputs:** The Mojo 2 features two 3.5mm headphone jacks, allowing for shared listening. Connect your headphones to either port.



Figure 2: Rear panel of the Mojo 2, detailing the various input ports.

2.2 Charging the Device

To charge the Mojo 2, connect a 1-amp Micro USB cable to the dedicated charging port. The device features improved battery management for faster charging and reduced power loss, offering over 8 hours of playback time. It can also be used while charging, making it versatile for both portable and desktop setups.

3. OPERATING INSTRUCTIONS

3.1 Control Spheres

The Mojo 2 features illuminated control spheres for intuitive operation. While the color-coded system may require some familiarization initially, it provides comprehensive control over the device's functions.



Figure 3: The illuminated control spheres on the top of the Mojo 2.

Refer to the quick start guide or the full manual (available on the manufacturer's website) for a detailed explanation of each sphere's function and corresponding color codes for volume, input selection, and menu navigation.

3.2 UHD DSP (Digital Signal Processing)

A key new feature of the Mojo 2 is its innovative UHD DSP, which allows for lossless Equalization (EQ) adjustments. This enables users to fine-tune the sound to their personal preferences or to compensate for the tonal characteristics of different headphones without degrading audio quality.

The UHD DSP menu is accessed via the control spheres. Experiment with the settings to achieve your desired sound profile. Detailed instructions for navigating the DSP menu are provided in the full user manual.

3.3 Crossfeed Feature

The Mojo 2 includes a crossfeed function designed to create a more natural, speaker-like listening experience when using headphones. This feature subtly blends the left and right channels to reduce the "in-head" localization often associated with headphone listening, potentially enhancing comfort during long listening sessions.

Activate or deactivate the crossfeed feature through the control sphere menu to determine your preferred listening mode.

3.4 Official Product Video

For a visual introduction to the Chord Electronic Mojo 2, please watch the official product video below. This video provides an overview of the device's features and design.

Your browser does not support the video tag.

Video: Introducing: Chord Electronic Mojo 2. This video provides a brief overview of the Mojo 2's design and key features, including its new USB-C audio input and menu system.

4. MAINTENANCE

To ensure the longevity and optimal performance of your Mojo 2, follow these general maintenance guidelines:

- **Cleaning:** Use a soft, dry, lint-free cloth to clean the exterior of the device. Avoid using abrasive cleaners, solvents, or aerosol sprays, as these can damage the finish or internal components.
- **Storage:** When not in use, store the Mojo 2 in a cool, dry place, away from direct sunlight, extreme temperatures, and high humidity.
- **Handling:** Handle the device with care. While built with a robust aircraft-grade aluminum chassis, dropping or subjecting it to strong impacts can cause damage.
- **Connections:** Ensure all cables are connected securely but avoid excessive force when plugging or unplugging them.

5. TROUBLESHOOTING

If you encounter issues with your Mojo 2, please refer to the following common troubleshooting steps:

- **No Sound Output:**

- Verify that your headphones are properly connected to one of the 3.5mm output jacks.
- Check the volume level on the Mojo 2 and your source device. Ensure the volume is not muted or set too low.
- Confirm that the correct input source is selected on the Mojo 2 using the control spheres.
- Ensure the source device is playing audio and its output is directed to the Mojo 2.

- **Device Not Charging/Power Issues:**

- Ensure the Micro USB charging cable is securely connected to both the Mojo 2 and a working power source.
- Try a different Micro USB cable and/or power adapter to rule out faulty accessories.
- Allow the device to charge for at least 30 minutes before attempting to power it on if the battery is completely depleted.

- **Intermittent Audio/Distortion:**

- Check all cable connections (input and output) for looseness or damage.
- Ensure the audio files or streaming quality from your source are not corrupted or of low bitrate.
- If using a computer, ensure the correct audio drivers are installed and updated.
- Try a different source device or different headphones to isolate the issue.

- **Control Spheres Unresponsive/Confusing:**

- Power cycle the device (turn off and on again).
- Refer to the detailed user manual for specific color codes and button press sequences for advanced functions like DSP and crossfeed.

If the issue persists after attempting these steps, please contact CHORD ELECTRONICS customer support for further assistance.

6. SPECIFICATIONS

Feature	Detail
Product Dimensions	3.26 x 2.44 x 0.9 inches
Item Weight	10.8 ounces
Item Model Number	Mojo 2
Manufacturer	Chord Electronics
Compatible Devices	Personal Computer, Laptop, Smartphone, Tablet
Hardware Interface	USB
Audio Output Mode	Surround
Micro USB Input	768kHz/32-bit Capable
3.5mm Jack Coaxial Input	768kHz/32-bit Capable
Optical TOSLINK Input	96kHz/24-bit Capable
Micro USB Charging Port	1amp Input
Headphone Jacks	2x 3.5mm Output

7. WARRANTY AND SUPPORT

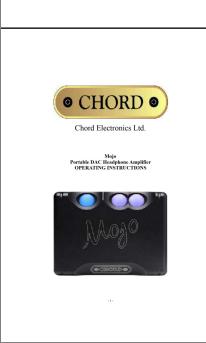
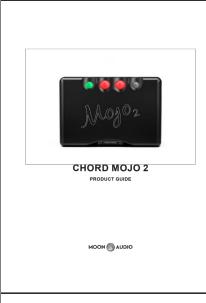
The CHORD ELECTRONICS Mojo 2 comes with a factory warranty. For specific details regarding the warranty period and coverage, please refer to the warranty card included with your product or visit the official CHORD ELECTRONICS website.

For technical support, troubleshooting assistance beyond what is provided in this manual, or warranty claims, please contact CHORD ELECTRONICS customer service. Contact information can typically be found on the manufacturer's website or in the product packaging.



Figure 4: Official Chord Electronics logo.

Related Documents - Mojo 2

     	<p><u>Chord Mojo 2 Portable DAC/Headphone Amplifier User Manual</u></p> <p>Comprehensive user manual for the Chord Mojo 2 portable DAC/headphone amplifier, detailing its features, operation, advanced settings, connectivity, technical specifications, and troubleshooting. Learn how to get the most out of your Mojo 2.</p> <p><u>Chord Electronics Mojo 2 Quickstart Guide</u></p> <p>A quickstart guide for the Chord Electronics Mojo 2 Portable DAC/Headphone Amplifier, covering charging, connecting inputs, connecting headphones, powering up, and volume adjustments.</p> <p><u>Chord Mojo Portable DAC Headphone Amplifier: Operating Instructions</u></p> <p>This document provides comprehensive operating instructions for the Chord Mojo portable DAC and headphone amplifier, covering setup, charging, connectivity with various devices (PC, Mac, Android, iOS), sound configuration, and technical specifications.</p> <p><u>Chord Mojo 2 Product Guide: Portable DAC and Headphone Amplifier</u></p> <p>Comprehensive product guide for the Chord Mojo 2, detailing its features, setup, operation, equalization, and connectivity with devices like the Chord Poly and Roon.</p> <p><u>Chord Mojo 2 Product Guide: Portable DAC/Headphone Amplifier</u></p> <p>A comprehensive product guide for the Chord Mojo 2, detailing its features, operation, connectivity, equalization, and integration with the Chord Poly. Learn how to set up, power on, and optimize your audio experience.</p> <p><u>Chord Mojo 2 Portable DAC Headphone Amplifier User Manual V.1.1</u></p> <p>Comprehensive user manual for the Chord Mojo 2 portable DAC and headphone amplifier, covering setup, operation, features, and technical specifications. Learn how to connect, use, and optimize your Mojo 2.</p>
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