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Mackie MC-450

Mackie MC-450 Professional Open-back Headphones User Manual

Model: MC-450

1. Introduction

Welcome to the user manual for your new Mackie MC-450 Professional Open-back Headphones. These headphones are designed to deliver top-level performance, presentation, and comfort, ideal for critical listening and mixing. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your MC-450 headphones to ensure optimal performance and longevity.

Please read this manual thoroughly before using your headphones to familiarize yourself with all features and functions.

2. Product Overview

The Mackie MC-450 Professional Open-back Headphones feature an open-back design that provides an ultra-wide soundstage and exceptional clarity, translating every detail in your music without harshness. They are built with premium materials, including a real leather headband and earpads, ensuring comfort during extended use. The rugged design, along with detachable cables and an included 1/4" adapter, makes them versatile for both studio and portable use.

Key Features:

- Open-back design with 42mm drivers for wide soundstage and clarity.
- Frequency response of 20Hz-20kHz for accurate audio reproduction.
- Three detachable cables for versatile connectivity.
- Premium construction with real leather headband and earpads for comfort and durability.
- Includes a durable carrying case for protection and portability.



Image: Mackie MC-450 Professional Open-back Headphones, front angled view, showcasing the open-back earcups and padded headband.

3. What's in the Box

Your Mackie MC-450 headphones come with the following components:

- Mackie MC-450 Professional Open-back Headphones
- 10' Coiled Cable
- 10' Jacketed Straight Cable
- 3' Straight Phone Cable with Volume Control and Mic
- 3.5mm to 6.35mm (1/4") Adapter
- EVA Cable Case
- Premium Protective Case
- Quick Start Guide (refer to this manual for detailed instructions)



Image: All components included with the Mackie MC-450 headphones, neatly arranged outside their protective case, including the headphones, various cables, and adapters.

4. Setup

1. **Attach the Cable:** Select the desired cable (coiled, straight jacketed, or phone cable). Align the connector on the cable with the input jack on the left earcup of the headphones. Insert the connector firmly until it clicks into place. Some cables may have a locking mechanism; twist gently to secure if applicable.
2. **Connect to Audio Source:**
    - For devices with a 3.5mm (1/8") headphone jack (e.g., smartphones, laptops, portable music players), connect the 3.5mm end of the cable directly.
    - For devices with a 6.35mm (1/4") headphone jack (e.g., audio interfaces, mixers, studio equipment), attach the included 3.5mm to 6.35mm adapter to the 3.5mm end of your chosen cable, then connect to the audio source.
3. **Adjust Fit:** Place the headphones on your head. Adjust the headband sliders on both sides until the earcups

comfortably cover your ears and the headband rests gently on your head. The earpads should create a good seal around your ears without excessive pressure.

5. Operating

Once connected to an audio source, you can begin using your MC-450 headphones. Remember that these are open-back headphones, meaning they allow some ambient sound in and some sound to leak out. This design contributes to their wide soundstage and natural sound reproduction, making them ideal for critical listening environments where sound isolation is not the primary concern.

- **Volume Control:** Adjust the volume directly on your audio source. If using the 3' Straight Phone Cable, you can use its inline volume control.
- **Microphone (Phone Cable):** The 3' Straight Phone Cable includes an inline microphone for communication. Ensure your device is configured to use the external microphone if needed.
- **Listening Environment:** For optimal sound quality, use the MC-450 in a quiet environment to fully appreciate their open-back characteristics.

6. Maintenance

Proper care will extend the life and maintain the performance of your Mackie MC-450 headphones.

- **Cleaning:** Use a soft, dry cloth to wipe down the earcups and headband. For the earpads, a slightly damp cloth can be used, but avoid excessive moisture. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** When not in use, store your headphones in the provided Premium Protective Case to prevent dust accumulation and physical damage. Ensure cables are neatly coiled in the EVA Cable Case.
- **Cable Care:** Avoid sharp bends or kinks in the cables. Always grasp the connector, not the cable, when plugging or unplugging.
- **Earpad Replacement:** Over time, earpads may show wear. Replacement earpads may be available from Mackie or authorized dealers.

7. Troubleshooting

If you encounter issues with your MC-450 headphones, refer to the following common troubleshooting steps:

Problem	Possible Cause / Solution
No sound or low volume	Ensure the cable is fully inserted into both the headphones and the audio source. Check the volume level on your audio source and any inline volume controls. Test with a different audio source or cable to rule out faulty equipment.
Distorted or poor sound quality	Verify the audio source is not set to an excessively high volume causing clipping. Check cable connections for looseness or damage. Ensure the audio file or stream quality is good.

Problem	Possible Cause / Solution
Microphone not working (with phone cable)	Confirm the phone cable is securely connected. Check your device's audio settings to ensure the external microphone is selected. Ensure the application you are using (e.g., communication app) has microphone permissions.

If these steps do not resolve your issue, please contact Mackie customer support.

8. Specifications

Detailed technical specifications for the Mackie MC-450 Professional Open-back Headphones:

Feature	Detail
Model Name	MC-450
Style	Open-Back
Ear Placement	Over Ear
Audio Driver Type	Dynamic Driver
Audio Driver Size	42 Millimeters
Frequency Range	20 Hz - 20 kHz
Sensitivity	101 dB
Connectivity Technology	Wired
Headphones Jack	3.5 mm Jack
Included Components	10' Coiled Cable, 10' Jacketed Straight Cable, 3' Straight Phone Cable with Volume Control and Mic, 3.5mm to 6.35mm Adapter, Quick Start Guide, EVA Cable Case, Premium Protective Case
Material	Leather
Item Weight	2.37 pounds
Product Dimensions	9.45 x 3.23 x 10.08 inches
Color	Black
Manufacturer	Mackie
UPC	663961058093

9. Warranty and Support

Mackie products are built for reliability and performance. For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official Mackie website. For technical support, replacement parts, or further assistance, please contact Mackie customer service.

You can find more information and support resources on the official Mackie Store:Mackie Store on Amazon.

A PDF version of the user manual may also be available for download:User Manual (PDF).

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