

## WiiM AMP003

# WiiM Amp Ultra User Manual

Model: AMP003

## INTRODUCTION

The WiiM Amp Ultra is a high-fidelity streaming amplifier designed to deliver exceptional audio performance for your home entertainment system. Featuring a powerful 100W output, premium ESS ES9039Q2M DAC, and dual TI TPA3255 amplifiers, it provides dynamic clarity and ultra-low distortion. With built-in RoomFit EQ, a responsive touchscreen, and versatile connectivity options including HDMI ARC, Optical, and RCA inputs, the WiiM Amp Ultra integrates seamlessly into any audio setup. This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your device.

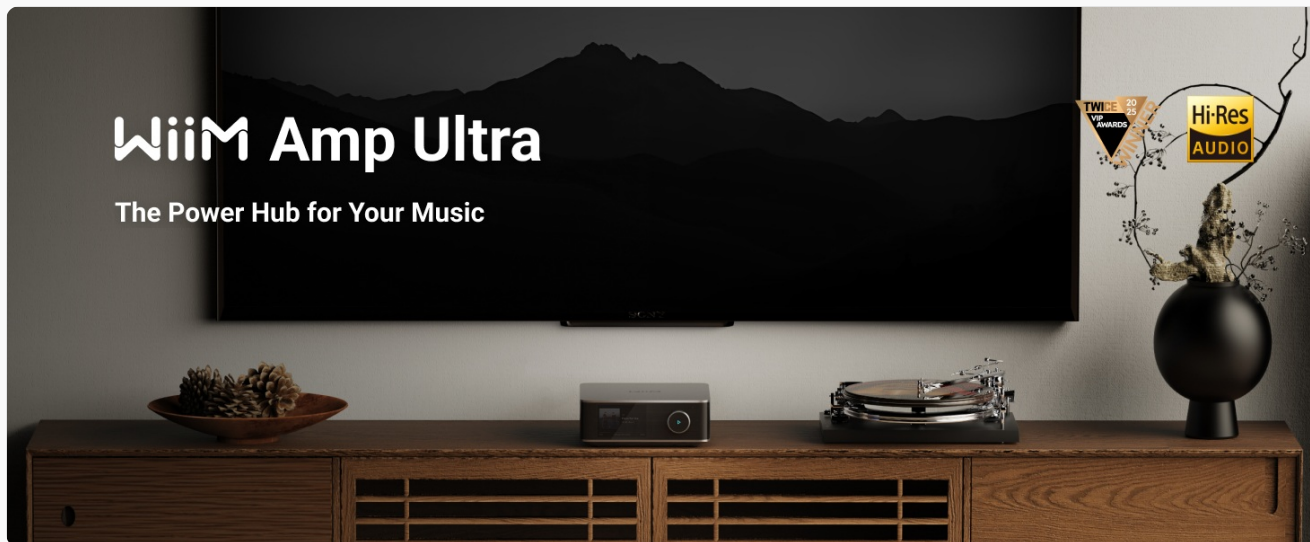


Image: The WiiM Amp Ultra, designed as the central power hub for your music system, shown in a home entertainment setup with a turntable and television.

## WHAT'S IN THE BOX

Carefully unpack your WiiM Amp Ultra and ensure all items are present:

- WiiM Amp Ultra x 1
- Power Cable x 1

- HDMI Cable x 1
- RCA Cable x 1
- Optical Cable x 1
- Banana Plugs x 4
- Remote Voice 2 x 1
- User Guide x 1 (This document)

## SETUP

### 1. Physical Connections

Before powering on, connect your speakers and audio sources to the WiiM Amp Ultra.



Image: A comprehensive diagram illustrating the versatile connectivity of the WiiM Amp Ultra, showing connections to various audio components.

- **Speakers:** Connect your passive speakers to the speaker terminals using the provided banana plugs or bare wire. Ensure correct polarity (+ to + and - to -). The WiiM Amp Ultra supports up to four speakers.

- **Subwoofer:** Connect an active subwoofer to the "SUB OUT" port.
- **HDMI ARC:** For TV audio, connect an HDMI cable from your TV's HDMI ARC/eARC port to the WiiM Amp Ultra's "HDMI ARC" input.
- **Optical:** For digital audio sources like CD players or game consoles, use the "Optical In" port.
- **RCA:** For analog audio sources like a record player (with a built-in pre-amp) or other audio devices, use the "RCA Inputs".
- **USB:** Connect USB storage devices for local music playback.
- **Ethernet (LAN):** For a stable wired network connection, connect an Ethernet cable.

## 2. Power On

Once all connections are secure, connect the power cable to the WiiM Amp Ultra and then to a power outlet. The device will power on automatically.

## 3. App Setup (WiiM Home App)

The WiiM Home App is essential for controlling and configuring your WiiM Amp Ultra.

1. Download the **WiiM Home App** from your mobile device's app store (iOS or Android).
2. Open the app and follow the on-screen instructions to discover and set up your WiiM Amp Ultra.
3. Connect the device to your Wi-Fi network (Wi-Fi 6 supported for ultra-fast streaming) or ensure it's connected via Ethernet.



Image: The WiiM Home App interface on a smartphone, guiding the user through the initial setup process for the WiiM Amp Ultra.

## OPERATING

### 1. Control Methods

The WiiM Amp Ultra offers multiple ways to control your audio experience:

- **Touchscreen Display:** The 3.5" glass-covered display allows for direct control, input switching, playback navigation, and viewing album art.
- **WiiM Home App:** Provides comprehensive control over all features, including multi-room audio, EQ settings, and streaming services.
- **Voice Remote 2:** Use the included voice remote for convenient control of playback, volume, and voice commands.
- **Voice Assistants:** Integrate with Alexa, Google Assistant, or Siri for voice control.

# Effortless Control



Image: Various methods of controlling the WiiM Amp Ultra, including the physical knob, remote control, mobile app, and integrated touchscreen.

## 2. Streaming Services & Connectivity

Access a wide array of music services and streaming protocols:

- Supports Spotify, TIDAL, Qobuz, Amazon Music, Roon Ready, Chromecast, Deezer, iHeartRadio, Pandora, SoundCloud, Napster, Calm Radio, vTuner, Sound Machine, Radio Paradise, and more.
- Stream in high-resolution audio up to 24-bit/192kHz quality.
- Features Bluetooth 5.3 with LE Audio for high-quality wireless streaming.

# All your favorite content in one app

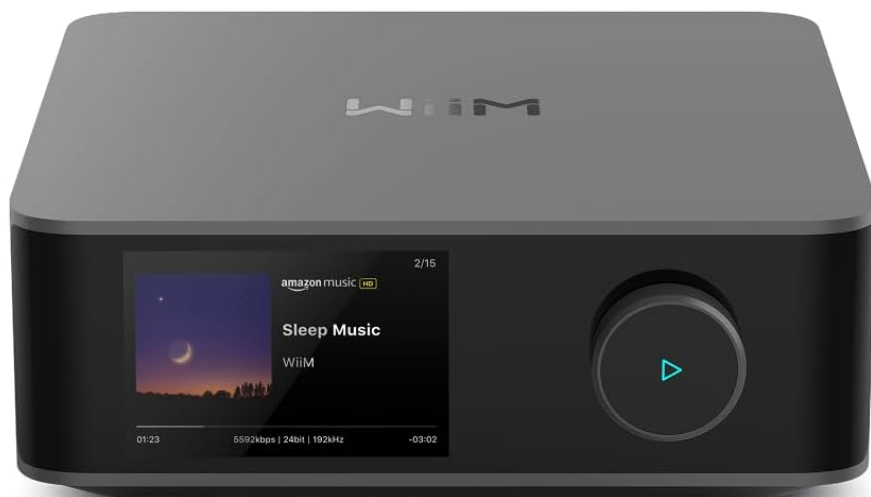


Image: The WiiM Amp Ultra showcasing its compatibility with numerous popular streaming services and music platforms.

### 3. RoomFit Room Correction

Optimize your audio experience with the built-in RoomFit room correction technology:

- The system auto-calibrates sound based on your room acoustics and speaker placement.
- Initiate RoomFit calibration through the WiiM Home App for a personalized and balanced listening environment.

# Built-In RoomFit™ Room Correction

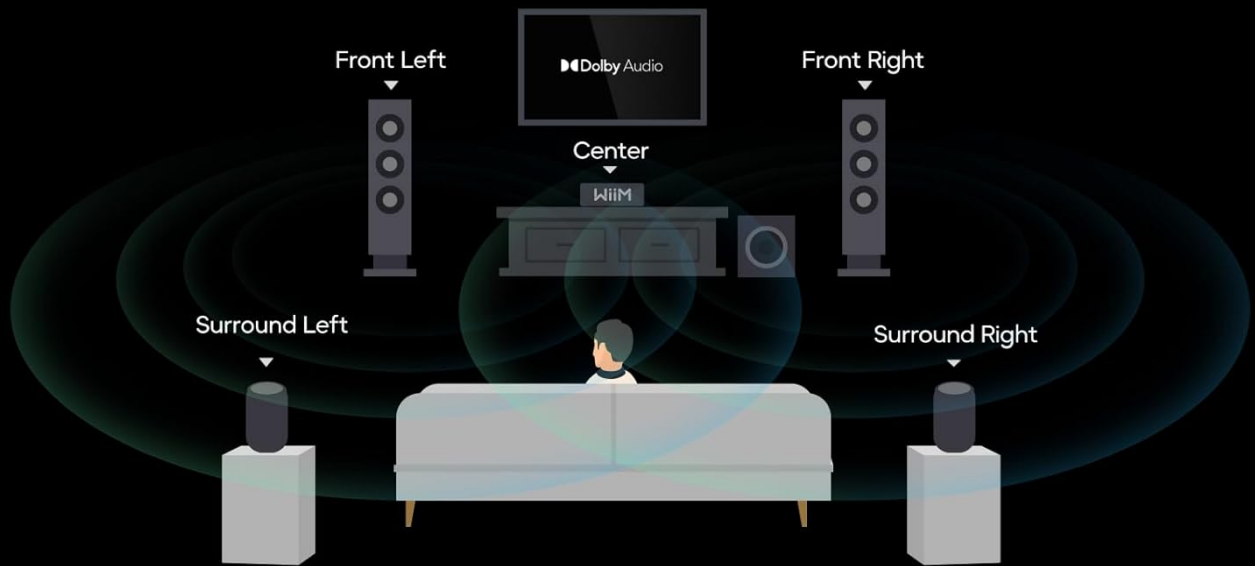


Image: A visual representation of the RoomFit room correction technology, demonstrating how it optimizes sound for your specific room and speaker configuration.

## 4. Tailor Your Sound (EQ Settings)

Fine-tune your audio output with extensive equalization options:

- Choose from 24 Preset EQ Profiles.
- Utilize the 10-Band Graphic EQ or Parametric EQ for precise adjustments.
- Adjust per-input EQ settings.
- Control subwoofer crossover settings.

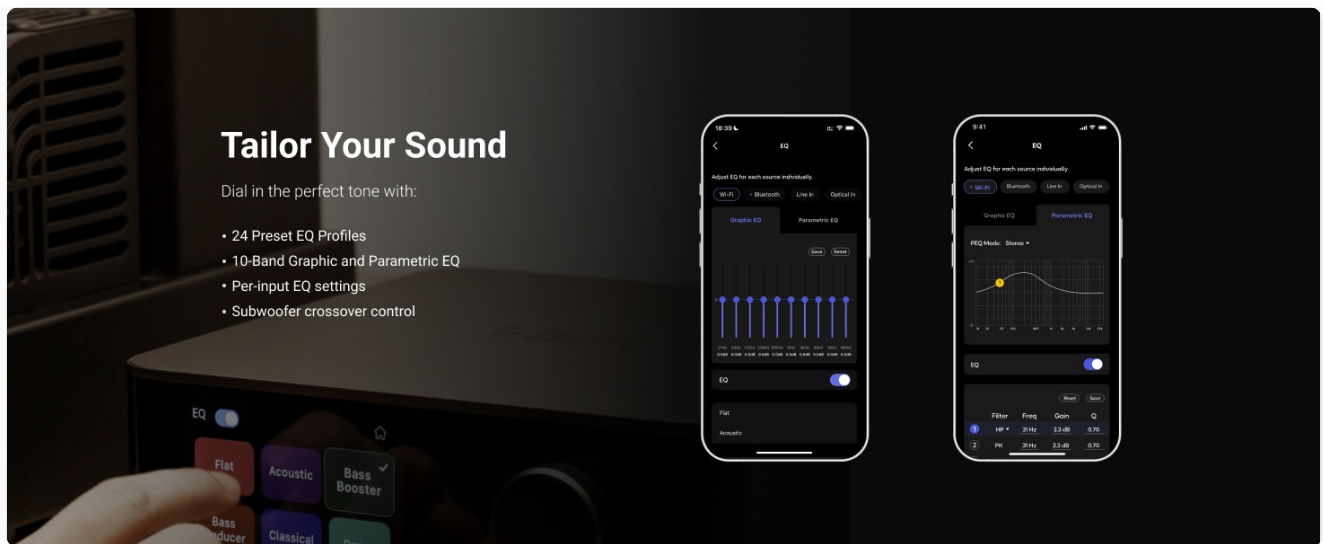


Image: The WiiM Home App's interface for sound customization, displaying various EQ presets and detailed graphic and parametric equalizer controls.

## 5. Multi-Room Audio & Home Theater

- **Multi-Room Audio:** Sync your WiiM Amp Ultra with other WiiM, Alexa, or Google speakers for a synchronized audio experience throughout your home.
- **Home Theater Mode:** Supports HDMI ARC and Dolby Digital for an immersive home theater setup.
- **Stereo Pairing:** Pair two WiiM Amp Ultras for a wider soundstage.

## MAINTENANCE

To ensure the longevity and optimal performance of your WiiM Amp Ultra, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid abrasive cleaners, solvents, or strong detergents.
- **Ventilation:** Ensure the device has adequate ventilation. Do not block the ventilation openings.
- **Placement:** Place the amplifier on a stable, flat surface away from direct sunlight, heat sources, and excessive moisture.
- **Firmware Updates:** The WiiM Amp Ultra is designed to be future-proof with regular Over-The-Air (OTA) firmware updates. Ensure your device is connected to the internet to receive these updates, which provide new features, streaming services, and optimizations.



## Future-Proof by Design

We're constantly improving. With regular OTA firmware updates, your Amp Ultra only gets better over time—with new features, streaming services, and optimizations.



Image: The WiiM Amp Ultra, illustrating its capability for Over-The-Air (OTA) firmware updates to ensure continuous improvement and new features.

## TROUBLESHOOTING

If you encounter issues with your WiiM Amp Ultra, refer to the following common problems and solutions:

Problem	Possible Solution
No Power	<p>Check if the power cable is securely connected to both the amplifier and the power outlet.</p> <p>Verify the power outlet is functional.</p>
No Sound Output	<p>Ensure speakers are correctly connected and polarity is observed.</p> <p>Check the selected input source on the amplifier and in the WiiM Home App.</p> <p>Increase the volume on the amplifier and your source device.</p> <p>Verify that the speakers are functional by testing with another audio source if possible.</p>
Cannot Connect to Wi-Fi	<p>Ensure your Wi-Fi password is entered correctly in the WiiM Home App.</p> <p>Move the amplifier closer to your Wi-Fi router.</p> <p>Restart your Wi-Fi router and the WiiM Amp Ultra.</p> <p>Try connecting via Ethernet cable as an alternative.</p>
App Issues / Glitches	<p>Ensure the WiiM Home App is updated to the latest version.</p> <p>Restart the app or your mobile device.</p> <p>Check for available firmware updates for the WiiM Amp Ultra via the app.</p>
Room Correction Problems	<p>Ensure the room is quiet during calibration.</p> <p>Follow the on-screen prompts in the app precisely.</p> <p>Try recalibrating the RoomFit EQ.</p>

For further assistance, please refer to the official WiiM support resources or contact customer service.



## SPECIFICATIONS







Feature	Detail
Model Number	AMP003
Output Power	100W per channel (into 8 ohms)
DAC	ESS ES9039Q2M
Amplifiers	Dual TI TPA3255 Amps
Connectivity	Wi-Fi 6, Bluetooth 5.3 (with LE Audio), HDMI ARC, Optical In, RCA Inputs, USB, Ethernet (LAN)
Display	3.5" Glass-covered Touchscreen
Room Correction	Built-in RoomFit EQ
Dimensions (L x W x H)	7.87 x 8.3 x 3 inches
Item Weight	5.4 pounds
Manufacturer	Linkplay Technology Inc.
Country of Origin	China

## WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official WiiM website. For technical support, product registration, and frequently asked questions, please visit the [WiiM Store on Amazon](#) or the manufacturer's support page.

A digital version of the user manual is available for download:[WiiM Amp Ultra User Manual \(PDF\)](#).

### Related Documents - AMP003

 <p>WiiM Amp Ultra Stereo Streaming Amplifier The Power Hub for Your Music Model Name: WiiM Amp Ultra Model Number: AMP521</p>	<p><a href="#">WiiM Amp Ultra Stereo Streaming Amplifier User Manual</a></p> <p>User manual for the WiiM Amp Ultra Stereo Streaming Amplifier, detailing setup, features, technical specifications, and troubleshooting for this high-performance home audio system.</p>
	<p><a href="#">WiiM Amp Ultra Reviewer's Guide: Powerful Hi-Fi Streaming Amplifier</a></p> <p>Explore the WiiM Amp Ultra, a powerful and versatile streaming amplifier offering high-fidelity sound, advanced connectivity, multi-room audio, and smart home integration. Learn about its features, setup, and technical specifications.</p>
 <p>WiiM Amp: Stereo Streaming Amplifier Stream. Engage. Amplify Brilliance.</p>	<p><a href="#">WiiM Amp User Manual: Stereo Streaming Amplifier Guide</a></p> <p>Explore the WiiM Amp, a versatile stereo streaming amplifier. This user manual details setup, connectivity, features like AirPlay 2 and Spotify Connect, and how to achieve high-fidelity audio in your home.</p>
 <p>WiiM Vibelink Amp: Stereo Amplifier Unlock the Power of Pure Sound</p>	<p><a href="#">WiiM Vibelink Amp Stereo Amplifier: User Manual and Setup Guide</a></p> <p>Comprehensive user manual for the WiiM Vibelink Amp stereo amplifier, covering setup, connections, technical specifications, features, and troubleshooting. Learn how to connect passive speakers, audio sources via RCA, Optical, or Coax, and utilize the 12V trigger function for a seamless home audio experience.</p>
 <p>WiiM Amp Ultra Stereo Streaming Amplifier The Power Hub for Your Music</p>	<p><a href="#">WiiM Amp Ultra User Manual - Stereo Streaming Amplifier</a></p> <p>User manual for the WiiM Amp Ultra Stereo Streaming Amplifier. This guide covers setup, configuration, features, technical specifications, and safety instructions for the WiiM Amp Ultra.</p>
 <p>WiiM Amp: Stereo Streaming Amplifier Model: WiiM Amp</p>	<p><a href="#">WiiM Amp User Manual: Stereo Streaming Amplifier</a></p> <p>Comprehensive user manual for the WiiM Amp stereo streaming amplifier. Learn about setup, features, technical specifications, voice control, multi-room audio, and connectivity options for high-fidelity home audio.</p>

