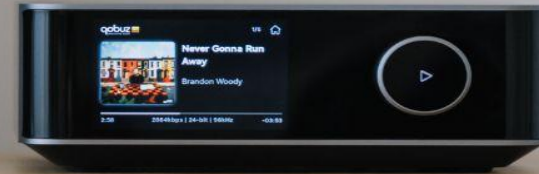
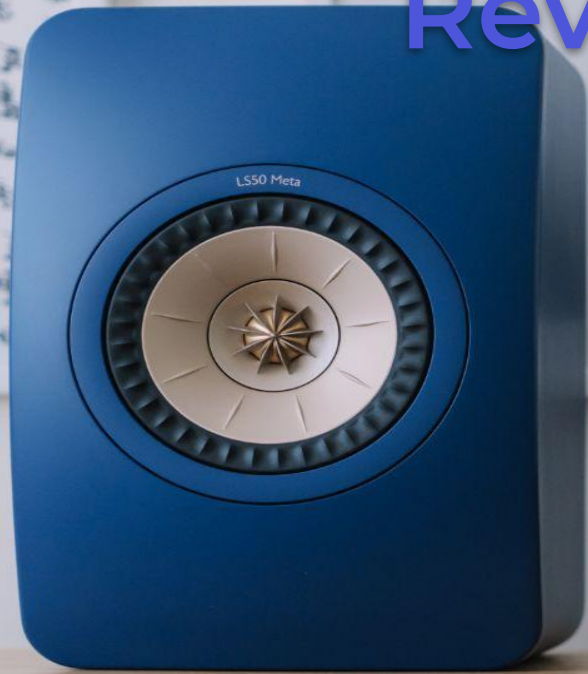


WiiM

Reviewer's Guide

WiiM Amp Ultra



About WiiM

WiiM is at the forefront of transforming the audio landscape and shaping the future of smart, connected technology. By seamlessly integrating an **advanced and user-friendly software, hi-fidelity sound and streaming solutions**, WiiM ensures an ever-evolving, unparalleled listening journey for our users. WiiM is **committed to making premium, quality experiences universally accessible**, enabling lives enriched by both sound and smart technology, customized to individual preferences.

Innovation Through Feedback and Software

Imagine a world where your favorite sound systems, streaming platforms, and smart devices work in perfect harmony, that's the world WiiM is building, shaped directly by your ideas and feedback. At WiiM, innovation isn't just something we do behind the scenes, it's a shared process. Every feature we launch, every update we ship, and every enhancement on the horizon is a reflection of what our community asked for. From smarter automation to better queue management and expanded connectivity, your input drives it all. We're not here to lock you into one ecosystem, we're here to make sure you can use the tools, platforms, and setups that work best for you. So keep the feedback coming. Together, we're creating the future of sound—one that's open, ever-evolving, and built with you in mind.

Premium Quality & Sound

WiiM opens the door to premium audio by making high-fidelity sound experiences more **accessible, with unmatched customization, ease of use, and value**. Our solutions rejuvenate your existing audio equipment and ensure seamless integration with any smart audio and home ecosystem - **Apple, Amazon, Google, or others**. Focused on premium design and exceptional build quality, WiiM offers outstanding price-to-performance products.

Personalized Sound Set Ups

With WiiM, you're in control, crafting a setup that fits your lifestyle and preferences: from your go-to streaming services, to your favorite smart home assistants, to mixing and matching every brand or era of audio equipment for a simple and seamless experience. Powered by community insights and cutting-edge AI, our solutions evolve with you, ensuring your audio setup remains as dynamic and vibrant as your listening preferences.

Bringing Powerful and High-Fidelity Sound to Every Setup

WiiM's Most Powerful Streaming Amplifier

The WiiM Amp Ultra delivers exceptional power with 100W per channel at **8Ω or 200W at 4Ω**, making it ideal for driving large speakers or powering multiple zones. It's equipped with an ESS ES9039Q2M SABRE DAC, dual TI TPA3255 Class-D amp chips, and six TI OPA1612 op-amps, delivering rich, detailed audio with ultra-low distortion and 120 dB SNR.

Whether you're hosting a party or fine-tuning your listening room, the Amp Ultra **adapts to your space with automatic room correction and maintains stable performance** thanks to Post Filter Feedback (PFFB) technology, ensuring clean, consistent sound.

For Music Lovers and Cinematic Set ups

Designed for more than music, the WiiM Amp Ultra brings immersive sound to home theater setups with **Dolby Digital decoding, HDMI ARC, and a dedicated subwoofer output**. It integrates easily into a Dolby 5.1 configuration, functioning as a front, center, or surround speaker amp.

Paired with its advanced EQ tools and room calibration features, the Amp Ultra makes it easy to transform any space into a surround-ready entertainment zone, streamlining high-fidelity movie nights without needing a separate receiver or complicated setup.

The Heart of a Whole-Home System

A perfect match for other WiiM devices, including the WiiM Sound speaker, Subwoofer, and streamers like the WiiM Mini. It plays a **central role in building a smart, scalable audio system, powering any passive speakers** in one room while syncing with wireless streamers across others.

Fully integrated into the WiiM Home App, it supports multi-room grouping, preset management, and hands-free control via Alexa, Google Assistant, or the included WiiM Voice Remote 2.

A Smarter Way to Stream and Control

With support for Spotify Connect, TIDAL Connect, DLNA, Google Cast, Alexa Cast, and many others, users can stream high-resolution audio (up to 24-bit/192kHz) directly from their favorite apps.

Its 3.5" glass touch screen makes playback control, EQ adjustments, and input switching feel intuitive and modern. Add in Wi-Fi 6E, Bluetooth 5.3 with LE Audio, and frequent firmware updates, and the Amp Ultra becomes a future-ready centerpiece for any serious audio enthusiast.

• *Images, specs, and more can be found at the press kit, [here](#).*

Technical Specifications [Complete Product Sheet here.](#)

Audio

- Class-D digital amplifier
- Max Power: 100 W/channel (8 ohms), 200 W/channel (4 ohms)
- Post Filter Feedback Technology
- Built-in DAC: ESS ES9039Q2M
- Amplifier Chip: TI TPA3255
- Operational Amp: TI OPA1612

Input/Output

- Supporting -106 dB THD+N and 120 dB SNR at 5W for high-fidelity playback.
- 100-240V AC, universal power supply
- Anti-pop noise design for variable sample rates and bit-depth

Physical

- 7.9"x2.9"x7.9"(200x75x200mm)
- 3.5" glass-covered capacitive touchscreen
- 5.4 lbs (2.45kg)
- Multifunctional rotary knob

Other Features

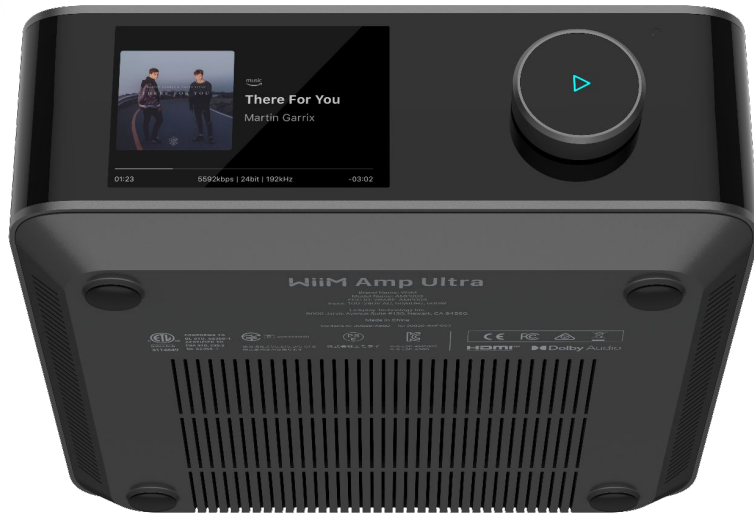
- Home Theater Connectivity: Dolby Digital decoding, HDMI ARC, and a dedicated subwoofer output bring immersive home theater sound to your living room. Designed with flexible input and out options as well.
- Next-generation connectivity: Wi-Fi 6E, Bluetooth 5.3 with LE Audio and dual antennas for fast and reliable wireless streaming.
- Advanced customization: Offers 24 preset EQ profiles, a 10-band graphic and parametric EQ with input-specific settings, plus built-in room correction that analyzes your space and adjusts audio output for tonal balance across speakers and subwoofers.

Grouping and Multiroom Connectivity

Connect turntables, TVs, or other sources and broadcast audio wirelessly across your multi-room system. Seamless access to Spotify, Amazon Music, TIDAL, Qobuz, Deezer, Pandora, iHeartRadio, TuneIn, Roon Ready (coming soon) and more via the WiiM Home App.

Pricing and Availability

The WiiM Amp Ultra, which includes the Voice Remote 2, is available in [Amazon](#) and select retail partners for \$529. For more information, visit www.wiimhome.com.



WiiM Amp Ultra

The Power Hub for your Music

Powerful and High-Fidelity Sound to All Audio Systems



Line in | Optical In | HDMI | Ethernet | Bluetooth 5.3 | WiFi 6

Speaker Out | Sub Out | USB Audio



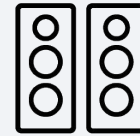
TV



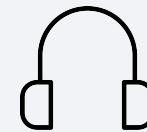
* Record Player



CD Player



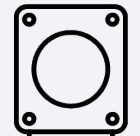
Floor-Standing Speaker



Headphone



Passive Speaker

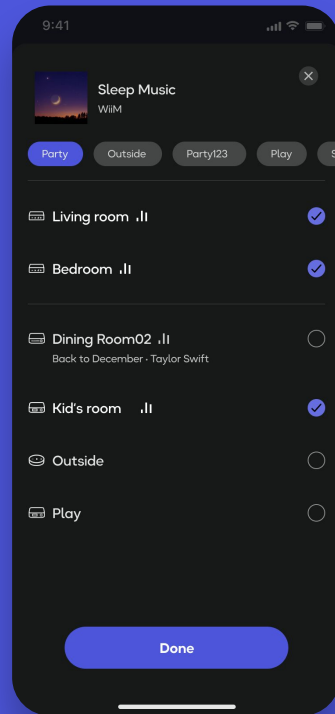
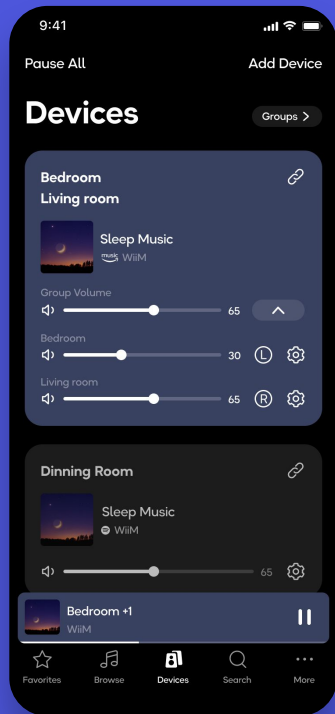


Active Subwoofer

* WiiM Amp Ultra doesn't have a built-in preamp and would need one to connect to analog turntables

WiiM Home App

Software meets Audio: WiiM OS



Unified and Simple Multi-room Dashboard

When opening the app, each player appears as a live, tappable “room tile” displaying artwork, current source and volume. Eliminated scrolling through menus or guessing.

Quick Presets and Favorites

Cut daily interactions into seconds by pinning playlists, inputs or radio stations to one-tap tiles (or remote buttons). Perfect for hosting parties, convenience-lovers and casual listeners

Smart Input Auto-Switch & Source Sync

Eliminating the community-asked question, “why open the app to switch?” WiiM OS detects vinyl, TV (HDMI ARC/Optical), BT, or USB and auto-broadcasts the active source to grouped rooms.

Smart Automation

Set presets, alarms, and other automated actions with content integration. Create your routines corresponding to specific use-cases.

Personalization + Customization

Personalize your user content with features like recently played, playlists, favorites, and play queues. Choose from VU meter, full-artwork, clock or minimal text to customize your touch-screen and match your home aesthetic,

Future-proof, OTA Firmware

WiiM OS is ever evolving based on community/forum feedback. In-app, view latest release notes, software updates and the active product changes. Actively, also monitor Wi-Fi strength and device status in one panel.

Universal Search Bar

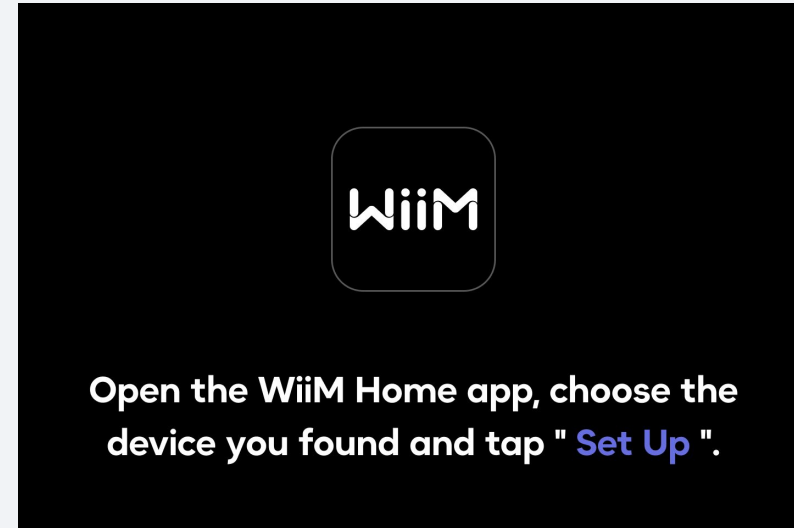
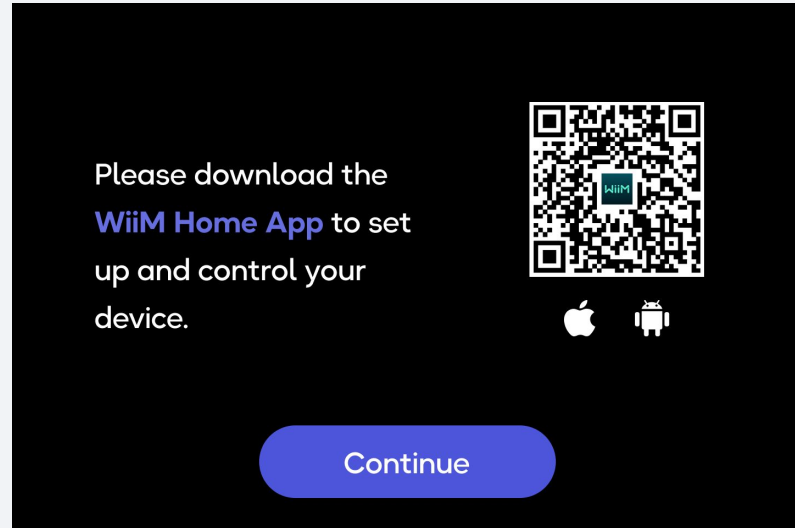
Users can type any song or artist and instantly receive results across ALL connected platforms and local libraries. Save time and priorities convenience.

Pro Audio Tools

Featuring 10-band Graphic EQ, 10-band Parametric EQ, up to 24-bit/192 kHz and Built-in Room Correction for optimized audio performance. Low latency, cinema-quality surround sound with easy setup and smartphone control.

WiiM Home App

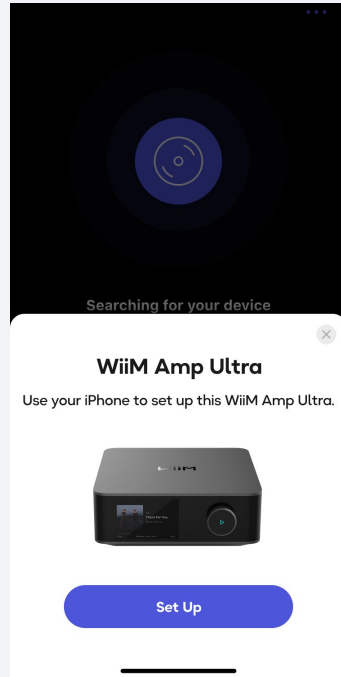
Enjoy your favorite content from all the best streaming services and control every feature of your device in a single app. Available on iOS and Android.



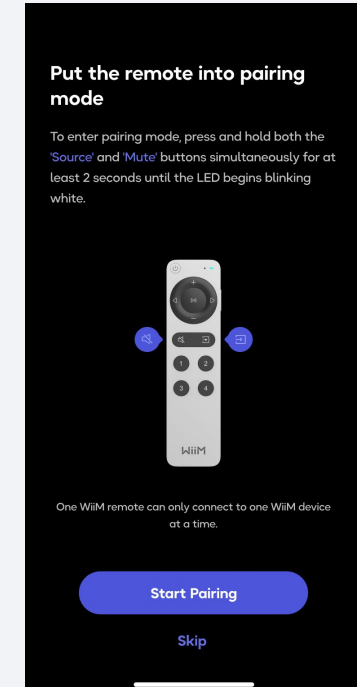
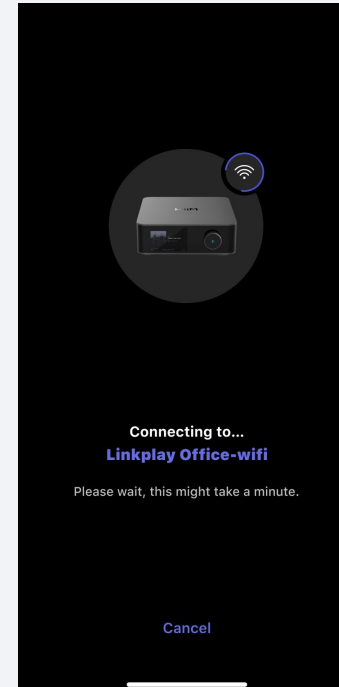
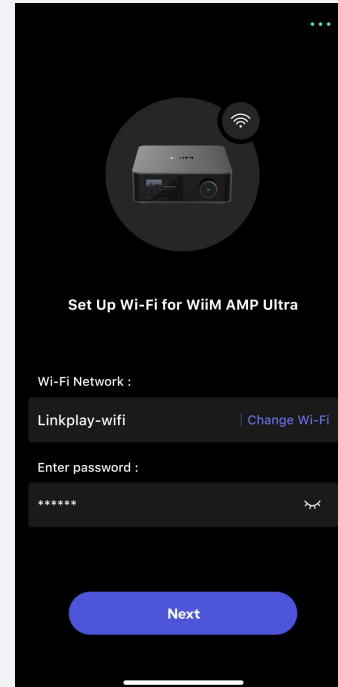
Download the [WiiM Home App](#) from your smartphone store

WiiM Home App - Set Up

Enjoy your favorite content from all the best streaming services and control every feature of your device in a single app. Available on iOS and Android.



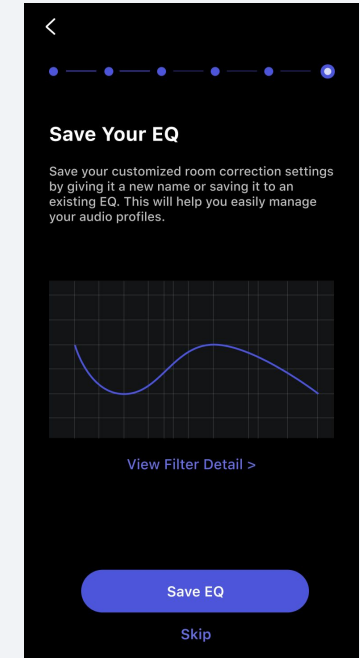
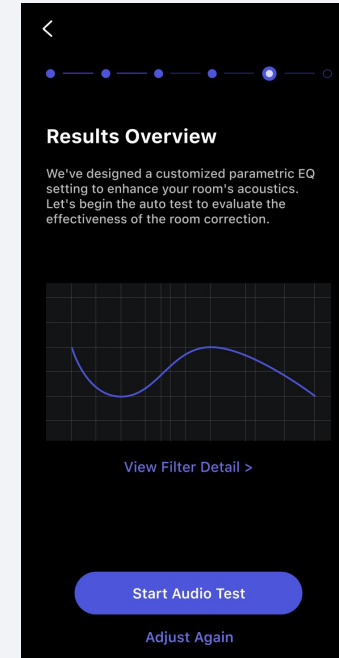
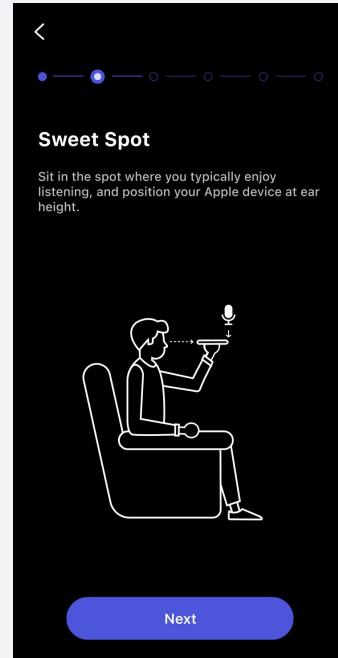
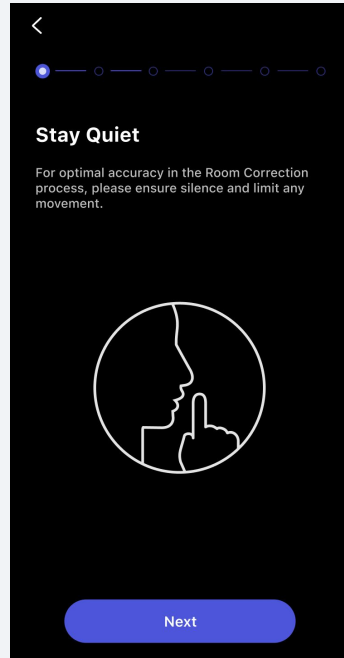
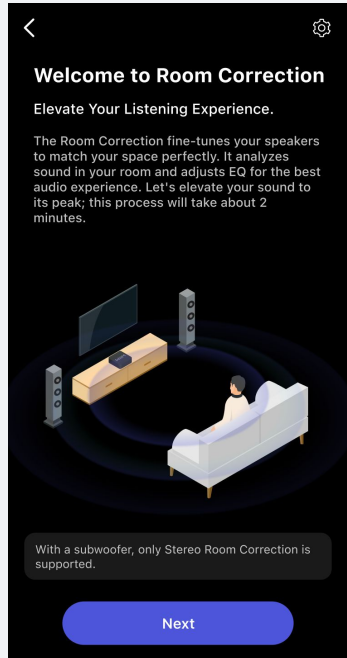
Follow instructions on screen to setup Wi-Fi connection in app.



Once fully connected to network, please unbox the WiiM Remote and follow steps for connectivity

WiiM Home App - RoomFit

Turn a “good” set-up into a “wow” system with WiiM OS’s RoomFit Ai Room Correction

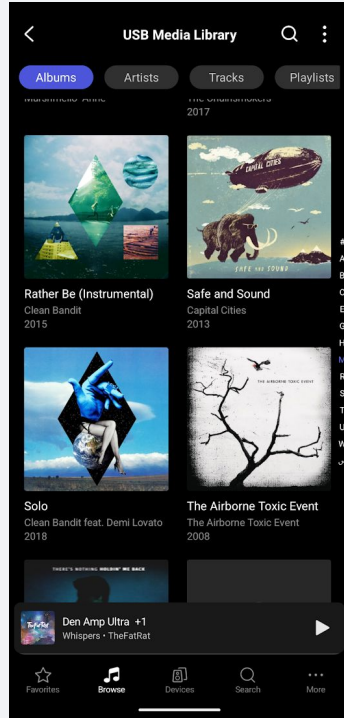
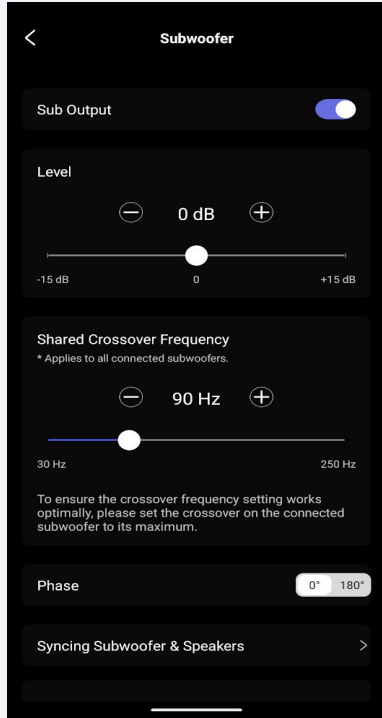


Room correction will analyze the sound in your room and adjust the EQ for the best audio experienced. The screen instructions will take users through a quick 6-step check finding the sweet spot for your audio system and measuring the acoustic levels.

Once the Room Correction test is finalized users will be able to analyze the Filter details and decide whether it needs further adjustment.

Satisfied with your audio test? Save your EQ. Room correction is ready to be applied and turned on and off by user.

WiiM Home App - Subwoofer



Connecting to a Subwoofer

The subwoofer output on the WiiM Amp Ultra features an adjustable crossover range from 30-250Hz, with a default setting at 80Hz. This allows you to tailor the bass response to your preference and room acoustics.

Connecting to Optical Input and HDMI ARC

The WiiM Amp Ultra offers a high-quality optical input and HDMI ARC, allowing you to connect various audio sources such as CD players, TVs or PCs. Once connected, you can effortlessly transmit the audio to another speaker equipped with a WiiM device within your network. This can be done via Wi-Fi or Ethernet, provided the devices are on the same network.

WiiM Home App - **Dolby 5.1 Surround Audio** (Currently in Beta)

Setting Up a 5.1 Surround Sound System with WiiM Devices

Currently in beta, the setup process for a multi-room configuration involves connecting multiple WiiM devices.

Here's a step-by-step guide:

Dolby 5.1 Surround Audio

1

Gather Your Devices

You'll need at least two or three WiiM devices. For the front setup, consider using the WiiM Ultra with Vibelink Amp or WiiM Amp Ultra. For surround speakers, you can use WiiM Amp, Amp Pro, Amp Ultra, Pro Plus, Ultra, or, soon, one or two WiiM Sound Speakers.

2

Connect the Master Device

The WiiM device connected to your TV and subwoofer will serve as the master speaker. It will process and play the Center, Front Left, Front Right, and subwoofer channels.

3

Set Up Surround Speakers

Additional WiiM devices will act as surround speakers, handling the Surround Left and Surround Right channels.

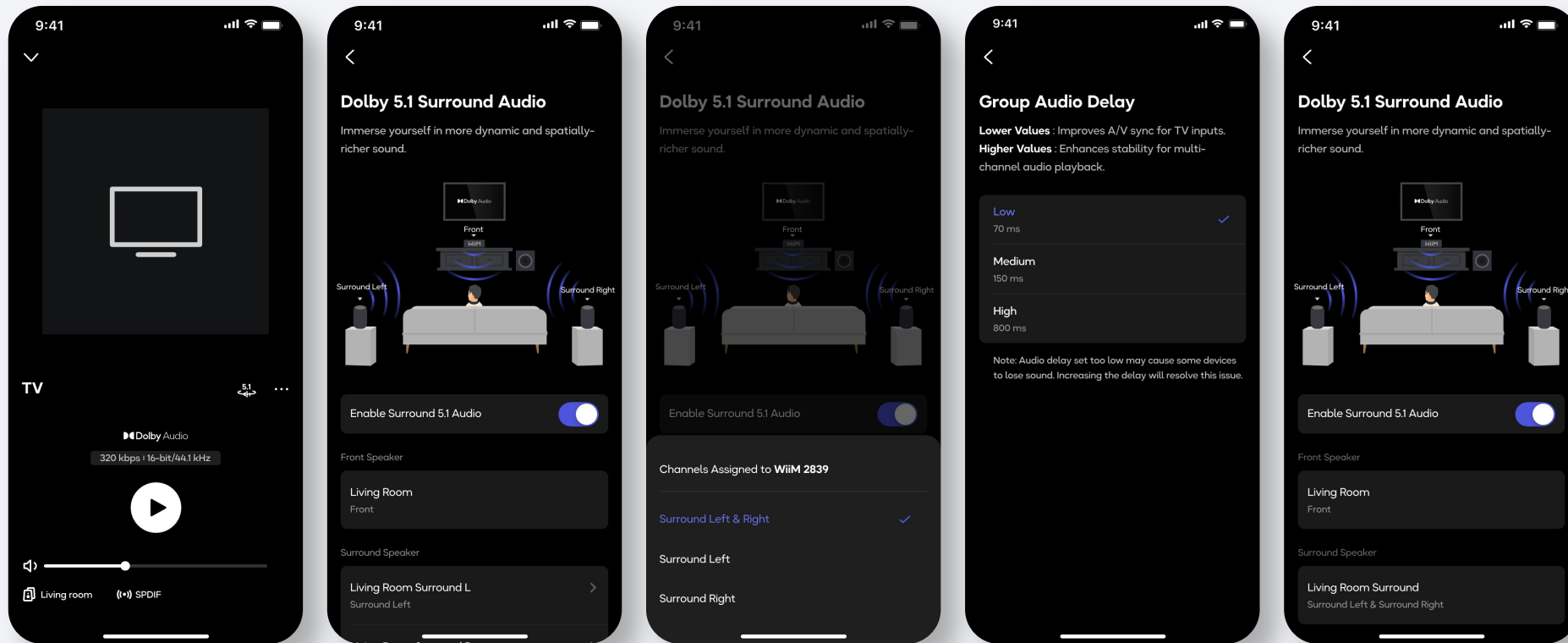
4

Configure in the WiiM App

Use the WiiM Home app to group the devices and configure the audio settings. The app will guide you through the process of connecting and calibrating the speakers for optimal performance.

Enjoy a **Wireless Immersive 5.1 System** with WiiM devices delivering a seamless and high-quality audio experience.

WiiM Home App - Dolby 5.1 Surround Audio (Currently in Beta)



By addressing timing and phase issues, **WiiM Room Correction** creates a more **immersive and precise soundstage, enhancing spatial imaging.**

It also maximizes the performance of your audio equipment, ensuring the sound is delivered as intended by the creators—even in acoustically challenging environments.

Technical Specifications Complete Product Sheet [here](#).

What makes Amp Ultra Unique vs. The Ultra and Vibelink Amp?

- The Amp Ultra is our all-in-one, integrated solution for simplicity and performance. Compared to our other offerings, it features a dual-amplification architecture and a premium DAC, plus advanced streaming features like room correction. While it has similar power output to the Vibelink Amp, the Amp Ultra's dual amplifier chips provide slightly more output and headroom, making it a powerful and concise unit. It's the ideal choice if you prioritize a minimalist setup with top-tier features. If you prefer a more modular system with maximum connectivity, the WiiM Ultra streamer paired with the Vibelink Amp is the better choice, allowing you to build around existing hi-fi components or customize each part of your chain.

How to integrate the Amp Ultra into a 5.1 home theater system

- Use the Amp Ultra as front left and right channels, and pair it with additional WiiM devices for surround speakers. If a dedicated center channel is needed, simply add another WiiM device for that role. All 5.1 channel assignments, EQ settings, volume controls, and more can be managed directly from the WiiM Home App. For step-by-step guidance, [here](#).

What speakers can I use with WiiM Amp Ultra?

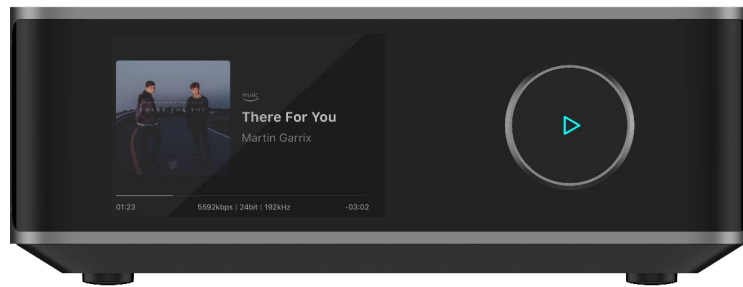
- WiiM Amp Ultra supports most passive speakers with an impedance between 2–8 ohms. It can power bookshelf, tower, in-wall, or outdoor speakers—up to four in total (two pairs in parallel at 4Ω).

What music services are supported?

- You can stream from Spotify, TIDAL, Qobuz, Amazon Music, Deezer, Pandora, TuneIn, SoundCloud, iHeartRadio, more via the WiiM Home App or your favorite casting protocol.

Can I use it with my subwoofer?

- Yes, there's a dedicated Subwoofer Out (RCA) for connecting active subwoofer. You can adjust crossover and gain in the app for a seamless blend.



WiiM Amp Ultra

Frequently Asked Questions

