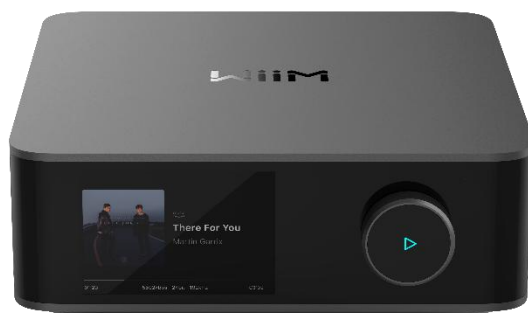


WiiM



**WiiM Amp Ultra**

## Meet WiiM Amp Ultra

The WiiM Amp Ultra is a high-performance streaming amplifier built for discerning listeners. Encased in a sleek unibody aluminum chassis with a vibrant 3.5" glass touchscreen, it delivers 100W per channel with ultra-low distortion and audiophile-grade clarity.

Powered by the premium ESS 9039Q2M DAC, dual TI TPA3255 amp chips, and six TI OPA1612 op-amps, it ensures stunning Hi-Res audio playback. PFFB technology guarantees stable, load-independent performance across all speaker types.

With Wi-Fi 6E, Bluetooth 5.3 with LE Audio, and HDMI ARC with Dolby Digital support, it's equally at home in a stereo setup or cinematic home theater. The WiiM Home App offers seamless control, multi-room sync, and smart home integration via Alexa, Google Assistant, and Siri.

Effortless to set up, powerful to experience—WiiM Amp Ultra is where performance meets precision.

## Key Features

- **Powerful Amplification**  
Delivers 100W per channel at 8Ω or 200W at 4Ω—easily drives up to four passive speakers with stunning clarity and dynamics.
- **Audiophile-Grade Components**  
Features the 32-bit/384kHz ESS ES9039Q2M SABRE DAC, dual TI TPA3255 Class-D amp chips, and six TI OPA1612 op-amps for ultra-low distortion and rich, detailed sound.
- **Post Filter Feedback (PFFB) Technology**  
Ensures stable, load-independent performance across all speaker types—delivering cleaner sound and improved amplifier control, especially with complex loads.
- **Next-Gen Connectivity**  
Equipped with Wi-Fi 6E, Bluetooth 5.3 with LE Audio, and dual antennas for fast, stable streaming across all wireless protocols.
- **Elegant Touchscreen Design**  
Housed in a premium unibody aluminum chassis with a vibrant 3.5" glass-covered touchscreen for intuitive control and stunning aesthetics.
- **Room Calibration Built-In**  
Advanced room correction technology analyzes your space and customizes output for speakers and subwoofer to optimize soundstage and tonal balance.
- **Exceptional Sound Performance**  
Achieves -105 dB THD+N and 120 dB SNR at 5W—ideal for high-fidelity playback across any genre or setup.

- **All-in-One Streaming Hub**  
Stream music, podcasts, audiobooks, and internet radio in Hi-Res up to 24-bit/192kHz directly to your speaker system.
- **Universal Music Service Support**  
Seamless access to Spotify, Amazon Music, TIDAL, Qobuz, Deezer, Pandora, iHeartRadio, TuneIn, and more via the WiiM Home App.
- **Cast with Ease**  
Supports Google Cast, Alexa Cast, DLNA, Spotify Connect, TIDAL Connect, DLNA, and Roon for effortless playback from your favorite apps.
- **Flexible Input Options**  
Connect turntables, TVs, or other sources and broadcast audio wirelessly across your multi-room system.
- **Cinematic TV Audio**  
HDMI ARC, Dolby Digital decoding, and dedicated subwoofer output bring immersive home theater sound to your living room.
- **Smart Voice Control**  
Works with Alexa, Google Assistant, and the WiiM Voice Remote for hands-free playback and system control.
- **Customizable EQ**  
Fine-tune your audio with parametric and graphic EQs tailored to your own preference.
- **Future-Proof Experience**  
Receive ongoing firmware updates with new features, services, and performance enhancements.

## Tech Specs, Price, and Availability

### Audio Performance

- **Power Output** (THD = 0.08%, two channels driven):
  - 100 W/ch, 8 ohms
  - 200 W/ch, 4 ohms
- **Output Bandwidth (8 ohms load, 0.04%):** 3 Hz - 80K Hz.
- **Frequency Response (1W @ 8ohms):** 4 Hz – 69 kHz (+/- 3dB)
- **THD+N:** -106dB (A-wt, 8 ohms)
- **SNR:** 120dB
- **Damping Factor:** 94
- **Terminating Impedance:** 2-8 Ohms

### Audio I/O & Connectivity

- **Wireless Inputs:**
  - Wi-Fi 6E (802.11 b/g/n/ax, tri-band: 2.4/5/6 GHz)
  - Bluetooth 5.3 (Receiver & Transmitter, supports SBC, AAC, LD3)
- **Wired Inputs:**
  - HDMI ARC
  - Optical (Toslink)
  - RCA Stereo
  - Ethernet (100 Mbps)
  - 12V Trigger In
- **Wireless Output:**
  - Wi-Fi 6E (802.11 b/g/n/ax, tri-band: 2.4/5/6 GHz)
  - Bluetooth 5.3 (supports SBC, AAC, LD3)
- **Wired Output:**
  - Stereo Speaker Terminals (Banana Plug Compatible)
  - USB Audio Output
  - Subwoofer Output (RCA)

### EQ & Sound Customization

- **Input-Specific EQ Profiles**
  - Separate EQ settings for Wi-Fi/Ethernet, Bluetooth, and Aux
- **Advanced EQ Tools**
  - 24 preset EQ profiles
  - 10-band graphic and parametric EQ for precise sound adjustments
  - Built-in automatic room correction for personalized acoustics

### Streaming & Smart Features

- **Supported Platforms**
  - WiiM Home App, Chromecast Audio, Spotify Connect, TIDAL Connect, DLNA, LMS, Roon Ready (Certification pending)
- **Multi-Room Audio**
  - WiiM, Google Cast, and Alexa multi-room systems
- **Stereo Pairing**
  - Enables left/right speaker setup for expanded soundstage

- **Home Theater Integration:**
  - Functions as the front, surround or center channel speaker in a Dolby 5.1 setup
- **Smart Preset**
  - Streamlines the listening experience by offering quick access to frequently used content and settings.
- **Alarm Clock**
  - Set the alarm time, occurrence, and choose from various music sources.

## **Touch Display**

- **Screen:** 3.5" glass-covered capacitive touchscreen
- **Functions:**
  - Playback controls, album art, EQ adjustments, input switching, device settings
  - Queue view, preset access, VU meters, time/date in standby
  - Custom wallpapers
  - Guides setup (OOBE) and OTA firmware updates

## **Design & Controls**

- **Chassis:** Precision-machined unibody aluminum
- **Dimensions:** 7.9" x 2.9" x 7.9" (200 x 75 x 200 mm)
- **Weight:** 5.4 lbs (2.45 kg)
- **Physical Controls:**
  - Multifunctional rotary knob (Volume, Play/Pause)

## **Power**

- **Input:** 100-240V AC, universal power supply

## **Price & Availability**

- **Launch:** June, 2025
- **UVP:** € 599