

## WiiM ASR004

# WiiM Ultra Music Streamer & Digital Preamp User Manual

Model: ASR004

## INTRODUCTION

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The WiiM Ultra is a versatile music streamer and digital preamplifier designed to enhance your audio experience. It features a sleek aluminum design, a 3.5-inch touchscreen, and supports Wi-Fi 6 and Bluetooth 5.3 connectivity. Equipped with an ESS ES9038 Q2M DAC, it delivers high-fidelity audio with excellent clarity. This device integrates seamlessly into various audio setups, offering a wide range of connectivity options for both digital and analog sources.

# Looks Good, Sounds Great



The WiiM Ultra, a music streamer and digital preamplifier, is shown next to a turntable, highlighting its role in a modern audio setup. Its compact and elegant design is visible.

Official WiiM video titled "Smarter Sound for Every Home," providing an overview of the WiiM Ultra's capabilities and design.

## WHAT'S IN THE BOX

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Carefully unpack the contents and ensure all items are present:

- WiiM Ultra x 1
- WiiM Voice Remote (AAA batteries not included) x 1
- Quick start guide x 1
- Phono ground adapter x 1
- 100~240V AC power cable (1.5m) x 1
- HDMI cable (1.5m) x 1
- RCA audio cable (1.5m) x 1
- Optical audio cable (1.5m) x 1

*Note: The AC power cable type may vary by region.*

# What's in the Box

WiiM Ultra



WiiM Voice Remote



Quick start guide



Phono ground adapter



100~240V AC power cable



RCA audio cable



HDMI cable



Optical audio



Note: AC power cable will vary by region

An image displaying all components included with the WiiM Ultra: the device, voice remote, quick start guide, phono ground adapter, AC power cable, RCA audio cable, HDMI cable, and optical audio cable.

## SETUP

Follow these steps to set up your WiiM Ultra for optimal performance:

1. **Connect Power:** Plug the provided AC power cable into the WiiM Ultra and then into a wall outlet.
2. **Connect Speakers/Amplifier:** Connect your speakers or amplifier to the WiiM Ultra using the appropriate audio cables (RCA, Optical, Coaxial, or USB).
3. **Network Connection:** For the best experience, connect the WiiM Ultra to your network via an Ethernet cable. Alternatively, you can connect via Wi-Fi during the app setup process.
4. **Download WiiM Home App:** Download the WiiM Home App on your smartphone or tablet from your device's app store.
5. **Initial Configuration:** Open the WiiM Home App and follow the on-screen instructions to discover and configure your WiiM Ultra. This includes connecting to your Wi-Fi network (if not using Ethernet), pairing the voice remote, and linking your music streaming accounts.



The WiiM Home App on a smartphone guides the user through connecting the WiiM Ultra to their network, illustrating the initial setup process.



An image showing the WiiM voice remote being held, representing the step to pair the remote control with the WiiM Ultra device for convenient operation.

## OPERATING INSTRUCTIONS

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The WiiM Ultra offers multiple ways to control your music and device settings:

### WiiM Home App

The primary control method is the intuitive WiiM Home App. Use it to:

- Browse and stream music from various services (Spotify, Amazon Music, TIDAL, Qobuz, etc.).
- Control volume and synchronize speakers in a multiroom setup.
- Save favorite tunes and set alarms.
- Customize audio settings, including EQ and room correction.

### Touchscreen Display

The 3.5-inch vibrant touchscreen allows for direct control and visual feedback:

- View currently playing track information.
- Select inputs and adjust basic settings.
- Access preset music or radio stations.

### Voice Remote

The included voice remote provides convenient control from a distance, allowing you to manage playback and volume.

### Voice Control

The WiiM Ultra is compatible with Google Cast and Alexa, enabling voice commands for music playback and device control.

# Feature-Rich WiiM Home App

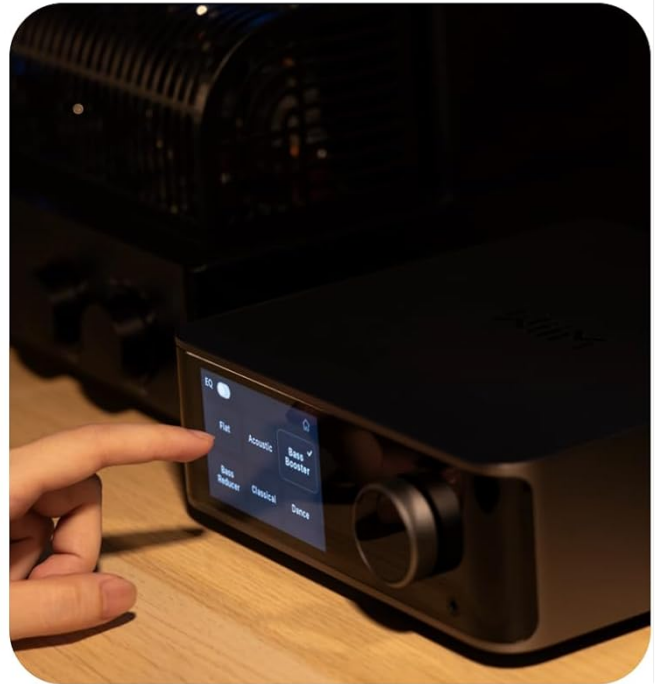
Control your content and devices from one place



Available on iOS, Android, Windows (beta), Mac OS (beta).

Multiple screenshots of the WiiM Home App on a smartphone, demonstrating its interface for browsing music, controlling playback, and managing connected devices.

# Effortless Control



A collage of images illustrating the various control methods for the WiiM Ultra, including manual knob adjustment, remote control, smartphone app control, and direct touchscreen interaction.

Official WiiM video titled "WiiM Home App Guide," demonstrating the features and usage of the WiiM Home application for controlling the device.

## CONNECTIVITY

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The WiiM Ultra offers extensive connectivity options to integrate with your existing audio equipment:

### Inputs

- **RCA Line-In:** Connect analog audio sources like CD players or other audio devices.
- **Phono Input:** Dedicated input for turntables with a built-in phono preamp.
- **Optical In:** Digital audio input for TVs, game consoles, or other digital sources.
- **HDMI ARC:** Audio Return Channel for seamless integration with your TV, allowing TV audio to be played through your sound system.
- **USB:** For connecting external storage devices.
- **Bluetooth 5.3:** Wireless input for streaming from mobile devices.
- **Ethernet:** Wired network connection for stable streaming.

## Outputs

- **RCA Line-Out:** Analog audio output to amplifiers or powered speakers.
- **Optical Out:** Digital audio output to external DACs or receivers.
- **Coaxial Out:** Digital audio output to external DACs or receivers.
- **Subwoofer Output:** Dedicated output for connecting a powered subwoofer.
- **Headphone Output:** For private listening.
- **USB Audio Out:** For connecting to external USB DACs.
- **Bluetooth Out:** Wireless output to Bluetooth headphones or speakers.

# Connect Everything



Wi-Fi 6 | Bluetooth 5.3



Spotify  
Connect



Google Cast  
Audio



TIDAL  
Connect



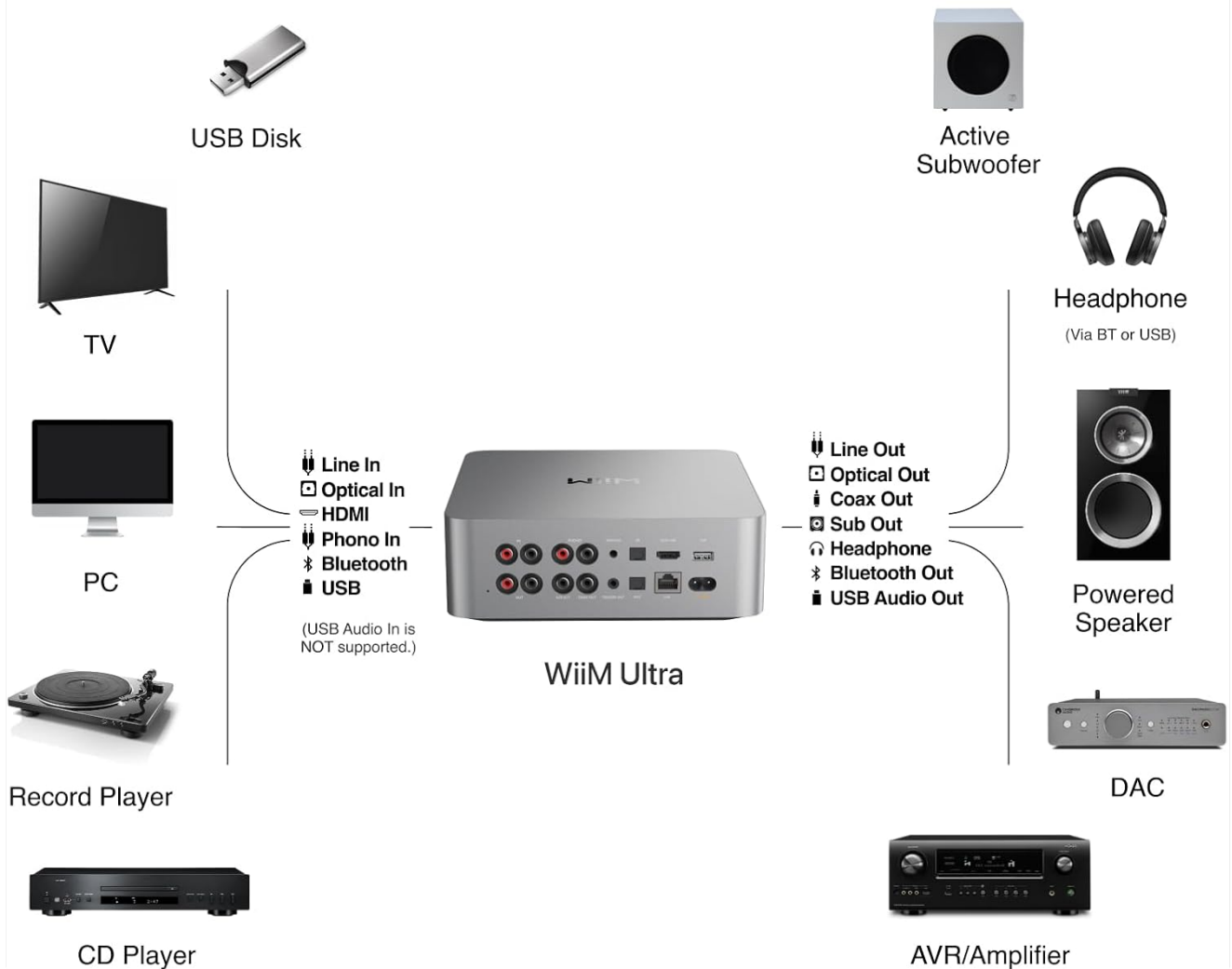
Alexa  
Cast



Roon  
Ready

The rear panel of the Wiim Ultra, detailing all available input and output ports for comprehensive audio connectivity.

# Connect with Ease



A comprehensive diagram showing how to connect the WiiM Ultra to various audio and video components, including TVs, PCs, record players, subwoofers, and amplifiers.

## MULTIROOM AUDIO

The WiiM Ultra supports seamless multiroom audio, allowing you to create a synchronized sound system throughout your home. It is compatible with existing Amazon Echo, Google Home, and other WiiM devices.

- Use the WiiM Home App to group devices and play the same music in multiple rooms.
- Control individual device volumes or group volumes from a single interface.

# Seamless Multiroom Audio



A diagram depicting a multiroom audio setup with WiiM Ultra devices distributed across various rooms in a home, demonstrating synchronized playback.

Official WiiM video titled "WiiM Ultra Multiroom Music Streamer," showcasing the multiroom audio capabilities of the device.

## HOME THEATER INTEGRATION

The WiiM Ultra simplifies home theater integration with its HDMI ARC and Subwoofer Out features.

- Connect your TV via HDMI ARC to enjoy rich stereo sound for movies, shows, and games through your connected audio system.
- Add a powered subwoofer using the dedicated Subwoofer Out for enhanced bass, creating a more cinematic audio experience.
- Customize your sound with tailored EQ settings for different content.

# Home Theater Magic, Made Easy



The WiiM Ultra positioned within a home theater environment, connected to a television and other audio components, demonstrating its role in a home entertainment system.

Official WiiM video titled "WiiM Ultra - Digital Hub for Your Music, TV and Turntable," illustrating its central role in connecting various home entertainment devices.

## AUDIO CUSTOMIZATION

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Personalize your audio experience with the WiiM Ultra's advanced sound shaping features:

- Stream crystal-clear music up to 24-bit/192 kHz from supported platforms.
- Utilize advanced room correction to optimize sound based on your listening environment.
- Apply independent EQ settings tailored to your preferences or specific audio sources.

## MAINTENANCE

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

- Keep the device in a clean, dry environment, away from direct sunlight and extreme temperatures.

- Wipe the exterior with a soft, dry cloth. Avoid using harsh chemicals or abrasive cleaners.
- Ensure proper ventilation around the unit to prevent overheating.
- Regularly check for and install firmware updates via the WiiM Home App to benefit from new features and performance improvements.

## TROUBLESHOOTING

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If you encounter issues with your WiiM Ultra, refer to the following common troubleshooting tips:

- **No Power:** Ensure the power cable is securely connected to both the device and a working power outlet.
- **No Sound:** Check all audio cable connections. Verify the correct input source is selected on the WiiM Ultra and your amplifier/speakers. Adjust volume levels on both the WiiM Ultra and your connected audio system.
- **Network Connection Issues:** Restart your Wi-Fi router and the WiiM Ultra. Ensure the device is within range of your Wi-Fi network or that the Ethernet cable is properly connected. Re-run the network setup through the WiiM Home App.
- **App Not Detecting Device:** Ensure your smartphone/tablet is on the same Wi-Fi network as the WiiM Ultra. Restart both the app and the device.
- **Remote Not Working:** Check if the AAA batteries in the remote need replacement. Ensure the remote is paired with the WiiM Ultra.
- **HDMI ARC Issues:** Verify your TV's HDMI ARC port is enabled and correctly configured. Ensure the HDMI cable is securely connected.

For more detailed troubleshooting or persistent issues, consult the official WiiM support resources.

## SPECIFICATIONS

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<b>Brand</b>	WiiM
<b>Model Number</b>	ASR004
<b>Connectivity Technology</b>	Bluetooth, Ethernet, Wi-Fi
<b>Controller Type</b>	Google Assistant, Amazon Alexa, App Control
<b>Special Features</b>	Spotify Connect, Works with Alexa, Google Voice and Google Cast Audio, TIDAL Connect, Qobuz Connect, Roon Ready, NAS, DLNA, Home Media Server
<b>Compatible Devices</b>	Speaker, DAC, Amplifier, Mobile phone, Tablet, Echo, Google Home
<b>Total HDMI Ports</b>	1 (HDMI ARC)
<b>Connector Types</b>	Phono, Headphone Jack, Ethernet, AC Power, USB, Subwoofer Output, RCA, SPDIF (TOSLINK), COAX
<b>Audio Output Modes</b>	RCA, Headphone, Coax, Optical, USB, BT, or DLNA receiver
<b>Surround Sound Channel Configuration</b>	2.1
<b>Color</b>	Silver

<b>Number of Channels</b>	3
<b>Supported Internet Services</b>	Amazon Music, BBC Radio, Calm Radio, Deezer, iHeartRadio, Napster, Pandora, Qobuz, Radio Paradise, SoundCloud, SoundMachine, TIDAL, TuneIn, vTuner
<b>Control Method</b>	App, Remote, Touch, Voice
<b>Smart Home Compatibility</b>	Smart Home Compatible
<b>Item Dimensions (D x W x H)</b>	8.3"D x 7.87"W x 2.83"H
<b>Item Weight</b>	3.13 Pounds
<b>Manufacturer</b>	Linkplay Technology Inc.

## WARRANTY AND SUPPORT

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The WiiM Ultra comes with a **1-Year Warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

For technical support, frequently asked questions, or to access additional resources, please visit the official WiiM Store or contact their customer service directly. You can find more information and support at the [WiiM Store on Amazon](#).