ULTIMEA U4420

ULTIMEA Nova S90 7.1.4 Sound Bar System User Manual

Model: U4420 | Brand: ULTIMEA

1. Introduction

The ULTIMEA Nova S90 is a true high-end wireless 7.1.4 surround sound system designed to deliver an immersive audio experience for your home theater. Equipped with 12 advanced drivers, including up-firing speakers and a powerful 8-inch wireless subwoofer, it provides up to 740W peak power and supports Dolby Atmos for stunning spatial audio.

Product Overview

The Nova S90 system comprises a soundbar, an 8-inch wireless subwoofer, and two wireless rear speakers. This configuration ensures a comprehensive surround sound field, enhancing your movies, music, and gaming experiences.



Figure 1.1: Overview of the ULTIMEA Nova S90 Sound Bar System components, including the soundbar, wireless subwoofer, and two wireless rear speakers.



Figure 1.2: Illustration of the 7.1.4 High-End Wireless Surround Sound System setup in a living room, demonstrating the immersive audio experience.

Video 1.1: Official product video showcasing the Nova S90 True Wireless High-End Surround Sound System and its features.

Video 1.2: A detailed look at the Ultimea Nova S90, highlighting its 7.1.4 channel configuration and Dolby Atmos capabilities.

2. What's in the Box

Please check the contents of your package to ensure all items are present and in good condition:

- 1x Soundbar, 1x Wireless Subwoofer, 2x Surround Speakers
- 1x Soundbar Adapter, 2x Surround Speaker Adapters
- 1x 59in(1.5m) Optical Cable, 1x 59in(1.5m) 3.5mm-RCA Cable
- 1x 59in(1.5m) HDMI Cable, 1x Remote Control (Battery not included)
- 1x User Manual, 6x Wall Brackets, 12x Screws, 12x Nuts

3. Setup

3.1 Placement

Optimal placement of your sound system components is crucial for achieving the best audio performance. Position the soundbar centrally below your TV. The wireless subwoofer can be placed anywhere in the room, ideally near a wall for enhanced bass. The two wireless rear speakers should be positioned behind your listening area, one to the left and one to the right, to create a true surround sound experience. Ensure clear line of sight for the up-firing drivers on the soundbar and rear speakers to reflect sound off the ceiling.



Figure 3.1: Recommended placement for the two wireless up-firing rear speakers to achieve true surround sound.

3.2 Connections

Connect the soundbar to your TV using one of the following methods:

- **HDMI eARC (Recommended):** For the best audio quality, connect an HDMI cable from the soundbar's HDMI OUT (eARC) port to your TV's HDMI eARC/ARC port. This allows for high-quality audio transmission and CEC control.
- **Optical:** Connect an optical cable from the soundbar's OPT port to your TV's optical digital audio output.
- **AUX:** Use the 3.5mm-RCA cable to connect the soundbar's AUX port to your TV's audio output.
- **HDMI IN:** The soundbar also features two HDMI IN ports (HDMI IN 1, HDMI IN 2) for connecting external devices like

Blu-ray players, gaming consoles, or streaming devices.



Figure 3.2: Rear panel of the soundbar showing various input and output ports, including HDMI eARC, HDMI IN, Optical, and AUX.

3.3 Initial Pairing (Subwoofer and Surround Speakers)

The subwoofer and surround speakers are pre-paired with the soundbar at the factory. When you power on all devices, they should automatically pair. If you encounter no sound from the subwoofer or surround speakers, you may need to re-pair them.

Video 3.1: A guide on how to pair the subwoofer and surround speakers with the soundbar, including troubleshooting steps for re-pairing.

To Re-pair the Subwoofer:

1. Hold "SUB PAIR" on the remote for 3 seconds until "SUB" flashes on the soundbar's display.
2. Hold "PAIR" on the back of the subwoofer for 5 seconds until the LED flashes. A solid light confirms successful pairing.

To Re-pair the Surround Speakers:

1. Hold "SURROUND" on the remote for 5 seconds until "SUR" flashes on the soundbar's display.
2. Hold "PAIR" on each surround speaker for 5 seconds until their respective LEDs flash. A solid light confirms successful pairing. For optimal sound quality, ensure one surround speaker's button is set to 'L' (Left) and the other to 'R' (Right) before pairing.

4. Operating Instructions

4.1 Power On/Off

Press the **Power** button on the soundbar or remote control to turn the system on or off. The soundbar will automatically enter standby mode after a period of inactivity.

4.2 Input Selection

Press the **Input** button on the remote or soundbar to cycle through available input sources (eARC, HD IN 1, HD IN 2, OPT, AUX, BT, USB). The selected input will be displayed on the soundbar's front panel.

4.3 Volume Control

Use the **Volume +** / **-** buttons on the remote or soundbar to adjust the master volume. You can also adjust the bass and treble levels independently using the dedicated buttons on the remote.

4.4 Sound Modes and Equalizer

The Nova S90 offers various equalizer modes to optimize audio for different content types:

- **MOVIE:** Enhances dialogue clarity and cinematic effects for movies.
- **MUSIC:** Provides a balanced sound profile for music playback.
- **VOICE:** Optimizes vocal frequencies for clear dialogue in TV shows or news.
- **SPORT:** Enhances ambient sounds and commentary for sports broadcasts.
- **GAME:** Provides immersive audio with enhanced effects for gaming.
- **NIGHT:** Reduces dynamic range for late-night listening, minimizing disturbance.

Additionally, the **BassMX** technology ensures powerful and dynamic bass performance from the 8-inch wireless subwoofer.



Figure 4.1: Detailed diagram illustrating the 12 high-performance drivers within the soundbar, subwoofer, and surround speakers.

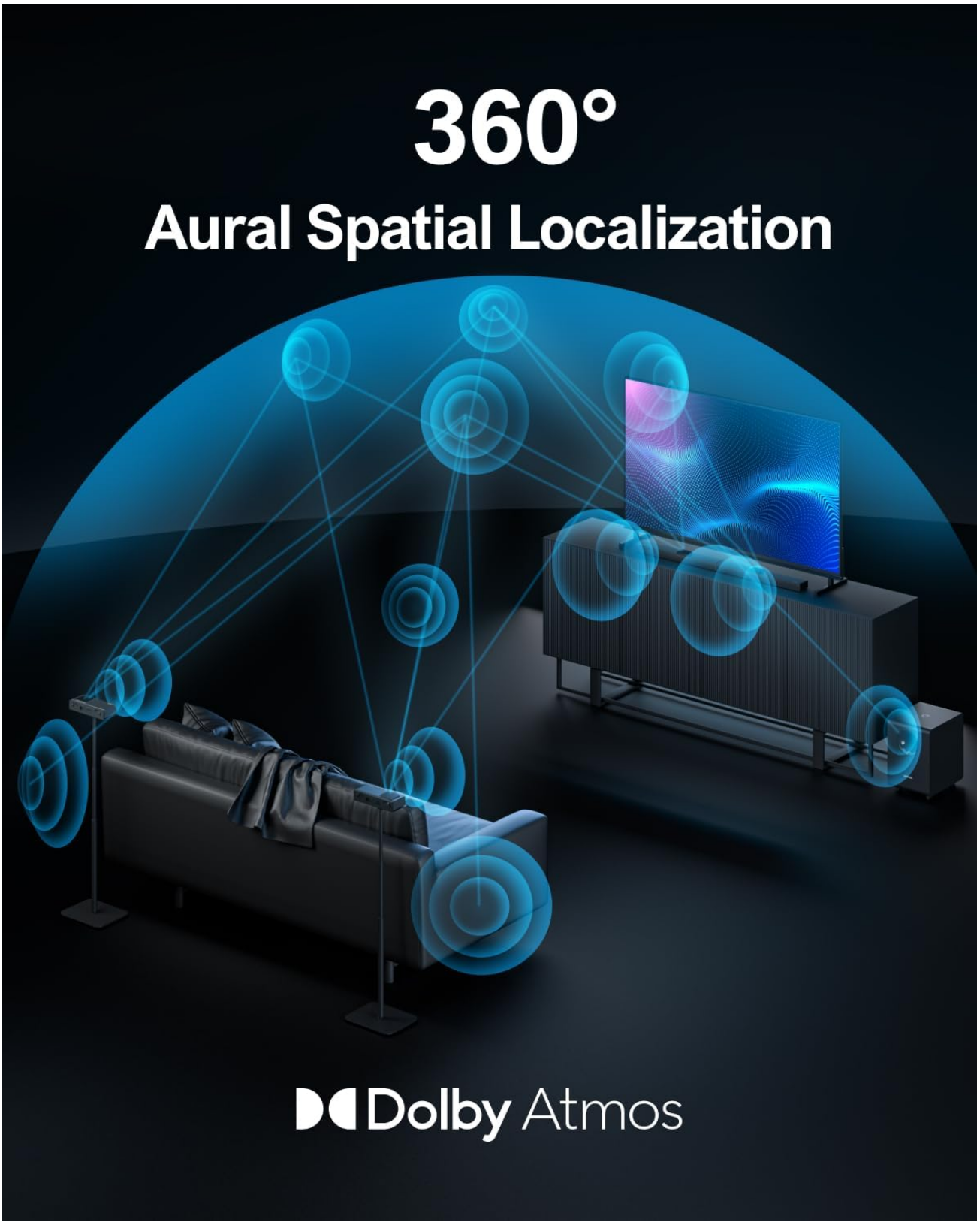


Figure 4.2: Visual representation of 360° Aural Spatial Localization technology with Dolby Atmos, showing sound precision from all directions.

5. Maintenance

To ensure the longevity and optimal performance of your ULTIMEA Nova S90 sound system, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the surfaces of the soundbar, subwoofer, and surround speakers. Do not use liquid cleaners, aerosols, or abrasive cleaning agents, as they may damage the finish or internal components.

- **Ventilation:** Ensure that all ventilation openings on the devices are clear and unobstructed to prevent overheating.
- **Storage:** If storing the system for an extended period, disconnect it from power, clean it, and store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle all components with care. Avoid dropping or subjecting them to strong impacts.

6. Troubleshooting

If you encounter any issues with your ULTIMEA Nova S90 sound system, refer to the table below for common problems and their solutions.

Problem	Possible Cause	Solution
No sound from the system.	Incorrect input selected, cables loose, TV audio settings incorrect, system muted.	Verify input source, check all cable connections, ensure TV audio output is set to external speakers (PCM for Optical), unmute the soundbar.
Subwoofer or surround speakers not pairing.	Out of range, interference, pairing lost.	Ensure devices are within range, minimize interference from other wireless devices, follow re-pairing steps in Section 3.3.
Distorted or poor sound quality.	Incorrect audio format, volume too high, speaker placement issues.	Ensure TV audio output is compatible (e.g., Dolby Atmos passthrough), reduce volume, adjust speaker placement.
Remote control not working.	Batteries low/dead, obstruction, remote not pointed correctly.	Replace batteries, remove obstructions between remote and soundbar, ensure remote is pointed at the soundbar's sensor.

7. Specifications

Key technical specifications for the ULTIMEA Nova S90 Sound Bar System:

Feature	Detail
Model Name	Nova S90
Speaker Type	Soundbar
Surround Sound Channel Configuration	7.1.4
Speaker Maximum Output Power	740 Watts (Peak)
Product Dimensions	19.69"D x 1.5"W x 2.99"H (Soundbar)
Item Weight	15.43 Pounds (Total System)
Connectivity Technology	Bluetooth, HDMI eARC, Optical, AUX

Feature	Detail
Control Method	Remote
Included Components	Soundbar, Wireless Subwoofer, 2x Surround Speakers, Cables (Optical, 3.5mm-RCA, HDMI), Remote Control, Adapters, User Manual, Wall Brackets, Screws, Nuts
Manufacturer	ULTIMEA

8. Warranty and Support

The ULTIMEA Nova S90 Sound Bar System comes with a Limited Warranty. For detailed warranty information and support, please refer to the official user guide PDF or contact ULTIMEA customer service.

- **Official User Guide (PDF):** Download Here
- **Visit the ULTIMEA Store:** Shop ULTIMEA Products