

Hiwill HiElite A41

Hiwill HiElite A41 4.1 Channel Dolby Atmos Soundbar System User Manual

Model: HiElite A41

1. INTRODUCTION

Thank you for choosing the Hiwill HiElite A41 4.1 Channel Dolby Atmos Soundbar System. This manual provides essential information for setting up, operating, and maintaining your new sound system. Please read it thoroughly to ensure optimal performance and a rich, immersive audio experience.

2. WHAT'S IN THE BOX

Carefully unpack your soundbar system and ensure all components are present:

- Soundbar
- Wired Subwoofer
- 2 Wired Front Surround Speakers
- Power Adaptor
- 3.5mm Stereo Cable
- ARC Cable
- Optical Cable
- Remote Control
- 2 Pack AAA Batteries
- Wall Mount Kit
- User Manual

4.1CH

Elevate Your Sound to Dolby Atmos



Figure 2.1: All components included in the Hiwill HiElite A41 package.

3. SETUP AND CONNECTIONS

3.1 Speaker Connections

1. **Connect the Subwoofer:** Insert the subwoofer cable into the 'BASS OUT' port on the soundbar and the corresponding input on the subwoofer.
2. **Connect Surround Speakers:** Insert the cables from the two front surround speakers into the 'SR OUT SL' and 'SR OUT SR' ports on the soundbar.

- Power Connection:** Insert the power cord into the 'DC IN' port on the soundbar and plug the adapter into a power outlet.

What is the difference between HDMI eARC and HDMI ARC?

Basic Concepts	HDMI eARC	HDMI ARC
Full Name	Enhanced Audio Return Channel	Audio Return Channel
Bandwidth	Up to 37 Mbps	Up to 1 Mbps
Audio Format Support	Uncompressed audio formats (e.g., Dolby Atmos/ Dolby TrueHD/ DTS:X/ PCM 7.1/DTS-HD Master Audio)	Compressed audio formats (e.g., Dolby Digital/DTS/PCM 2.0 (stereo))
Channel Support	Up to 7.1 channels, even 32 channels (e.g., Dolby Atmos)	Up to 5.1 channels
Audio Quality	High-resolution audio (e.g., 24-bit/192kHz)	Standard-definition audio
Latency	Very low (optimized lip-sync)	Higher (may affect lip-sync)
Device Compatibility	Requires HDMI 2.1 or later	Requires HDMI 1.4 or later
Cable Requirements	High-speed HDMI cable (supports 18 Gbps) (package has included)	Standard HDMI cable

Figure 3.1: Proper placement of the soundbar, subwoofer, and surround speakers.

3.2 Surround Speaker Placement

For an immersive experience, place the surround speakers strategically. You can position them next to your TV or spread them out in the room to create a wider soundstage. The included wall mount kit allows for flexible installation.

2 Front Wired Surround Speakers



Figure 3.2: Example of wall-mounted front wired surround speakers.

3.3 Video: How to Set Up A41

This video provides a visual guide on how to connect and set up your Hiwill HiElite A41 soundbar system, including subwoofer and surround speakers.

4. CONNECTIVITY OPTIONS

The Hiwill HiElite A41 offers multiple connection methods to suit your devices. For the best audio experience, especially with Dolby Atmos content, HDMI eARC is recommended.

4.1 Recommended Connection Methods

Connection Method	Audio Quality	Supports Dolby Atmos	Recommendation Rating
HDMI eARC	Best (uncompressed high-res audio)	Fully supported	★★★★★
HDMI ARC	Good (compressed audio)	Partially supported*	★★★★☆
Optical	Fair (compressed audio)	Not supported	★★★☆☆
Bluetooth	Fair (wireless transmission)	Not supported	★★☆☆☆
AUX	Poor (stereo audio)	Not supported	★☆☆☆☆

*"Partially supported" means that HDMI ARC can only support Atmos transmitted via Dolby Digital Plus, but not Dolby TrueHD Atmos.

4.2 HDMI eARC vs. HDMI ARC

Basic Concepts	HDMI eARC	HDMI ARC
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5. OPERATING YOUR SOUNDBAR

5.1 Sound Profiles and Adjustments

The HiElite A41 allows you to customize your audio experience with various EQ modes and adjustable bass/treble settings.

- **EQ Modes:** Choose from three precision-tuned EQ modes: Music, Movie, and News, to optimize sound for different content.
- **Bass and Treble:** Adjust bass and treble levels (12 customizable levels) to fine-tune the sound to your preference.

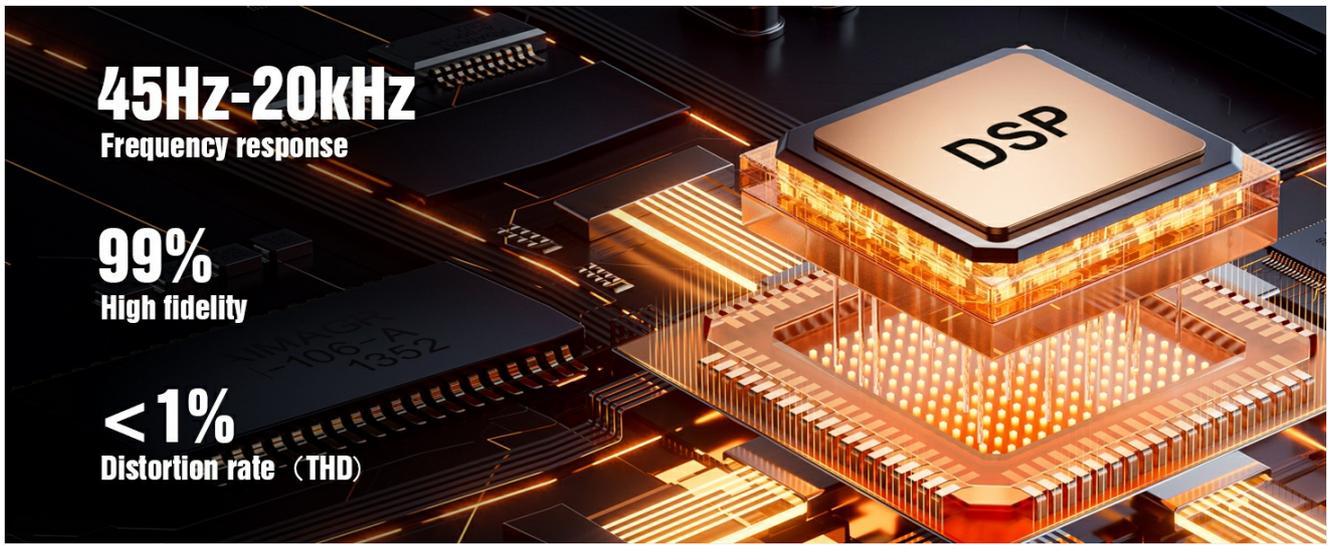


Figure 5.1: Optimized sound profiles for various content types.

Optimized Sound Profiles



News



Movie



Music



Figure 5.2: Remote control for tailoring your sound atmosphere with bass and treble adjustments.

5.2 Video: A41 Product Overview

This video provides a comprehensive overview of the Hiwill HiElite A41 soundbar system's features and capabilities.

6. KEY FEATURES

6.1 Dolby Atmos and 3D Spatial Audio

Experience a vast, multidimensional soundstage with Dolby Atmos. The HiElite A41 delivers a truly immersive three-

dimensional auditory journey with precise sound localization, placing you in the heart of the action.



Figure 6.1: Dolby Atmos technology creates an expansive soundstage.

6.2 Advanced Driver Technology

The soundbar features 4 alloy diaphragm drivers crafted with aluminum-magnesium alloy for enhanced audio performance, delivering 20% deeper bass and 30% clearer highs compared to traditional paper drivers. An iconic copper ring further reduces distortion and stabilizes the magnetic field for a balanced and precise sound profile.

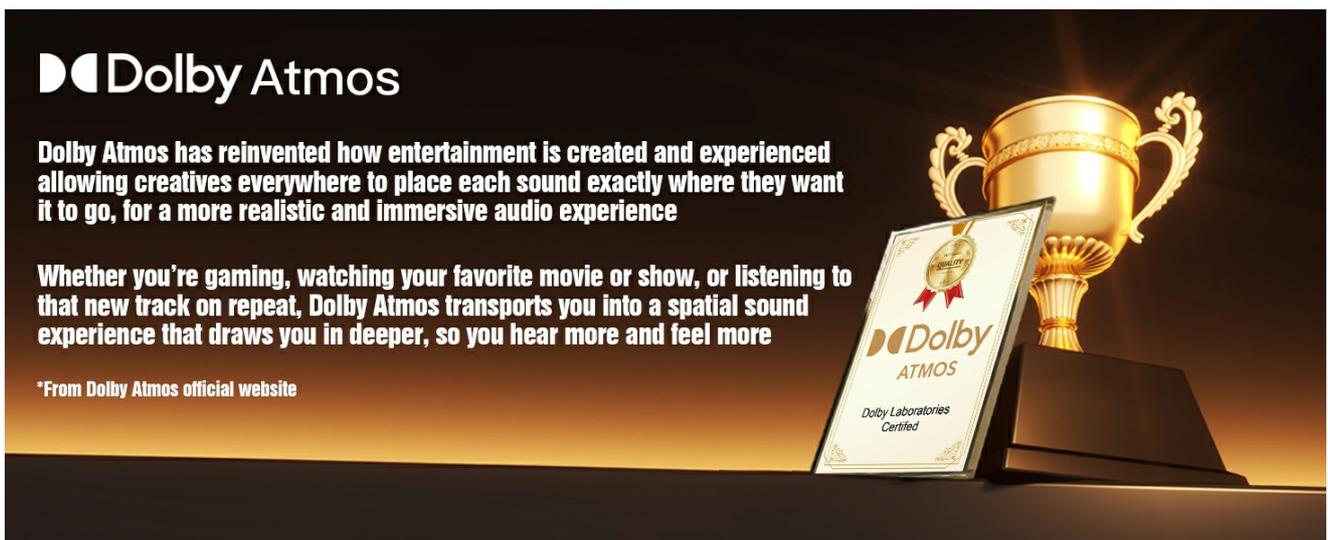


Figure 6.2: Internal components of the Hiwill speaker drivers.

6.3 5.25" Wired Subwoofer

Elevate your sonic experience with the powerful 5.25-inch external wired subwoofer. Its larger driver and freer diaphragm movement deliver a wider and deeper sound field, providing rich, punchy bass that enhances overall performance.



2 Front Wired Surround Speakers

Mount them on the wall to let the sound flow freely throughout the space, creating a more immersive and realistic auditory experience

Figure 6.3: The 5.25-inch wired subwoofer for enhanced bass.

6.4 HXS-Processing ClearVoice

Hiwill's exclusive HarmonicX Sound Processing (HXS-Processing) technology optimizes audio output by enhancing vocal clarity and refining sound details, ensuring crystal-clear dialogue and an immersive listening experience.



Figure 6.4: The DSP chip powering HXS-Processing for clear audio.

7. FIRMWARE UPDATE GUIDE

Regular firmware updates can improve performance, add features, and resolve issues. Follow these steps to update your HiElite A41 soundbar:

1. **Download Firmware:** Obtain the latest firmware file (e.g., 'spupdate.bin') from the official Hiwill support website and place it in the root directory of a USB flash drive.
2. **Prepare Soundbar:** Turn on (or restart) your soundbar and switch it to USB mode.
3. **Insert USB Drive:** Insert the USB flash drive containing the firmware file into the USB port on the soundbar.
4. **Initiate Update:** Press and hold the 'Play/Pause' button on the remote control until a number is displayed on the soundbar's screen. The number will count up, indicating progress.
5. **Completion:** When 'HI' appears on the screen, the firmware update is successful.
6. **Final Step:** Unplug the power supply, wait a few seconds, and then plug it back in. This ensures the firmware is fully applied.

7.1 TV Audio Settings After Update

After the firmware upgrade, check your TV's audio output settings and set it to 'PASSTHROUGH' for optimal sound. Navigate to: **TV Settings > Sound > Audio Processing > Select "Off" > Digital Audio Output > Select "Passthrough"**.

7.2 Video: Firmware Upgrade Guide

This video demonstrates the step-by-step process for updating the firmware on your Hiwill soundbar.

8. TECHNICAL SPECIFICATIONS

Feature	Specification
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Feature	Specification
Model Name	HiElite A41
Speaker Type	Soundbar
Surround Sound Channel Configuration	4.1
Speaker Maximum Output Power	300 Watts
Audio Output Mode	Dolby Atmos
Frequency Response	20 KHz
Connectivity Technology	HDMI eARC, Bluetooth 5.3, Optical, Auxiliary
Woofer Diameter	5.25 Inches
Subwoofer Connectivity Technology	Wired
Product Dimensions	16.4"D x 2.4"W x 4.4"H
Item Weight	12.5 Pounds
Mounting Type	Tabletop or Wall Mount
Control Method	Remote
Material	Aluminum-Magnesium Alloy, Copper
Power Source	Corded Electric

9. TROUBLESHOOTING

- **Soundbar turns off or defaults to ARC/HDMI unexpectedly:** This issue can often be resolved with a firmware update. Refer to Section 7 for detailed instructions on how to update your soundbar's firmware. Ensure your TV's audio output is set to 'PASSTHROUGH' after the update.
- **No sound or poor audio quality:**
 - Check all cable connections (power, subwoofer, surround speakers, and TV connection).
 - Ensure the correct input source is selected on the soundbar.
 - Verify your TV's audio output settings are correctly configured, preferably to HDMI eARC or 'PASSTHROUGH'.
 - Adjust bass and treble settings to your preference.
- **Remote control not working:**
 - Check and replace the AAA batteries.
 - Ensure there are no obstructions between the remote and the soundbar.

10. WARRANTY AND SUPPORT

The Hiwill HiElite A41 Soundbar System comes with an extended warranty. For specific warranty terms, technical support, or service inquiries, please contact Hiwill customer support through their official website or the contact information provided in your product packaging. Always refer to the official Hiwill resources for the most up-to-date information and assistance.

