

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [Hiwill](#) /

› [Hiwill 5.1ch Dolby Atmos Surround Soundbar w/ 6.5" Big Wireless Subwoofer, Extend Soundstage, Deepen Bass, Clarify Dialogue, 2 Wired Rear Speakers Home Theater TV Sound Bar, eARC/Opt, HiElite A51PRO](#)

Hiwill A51Pro

Hiwill HiElite A51PRO 5.1ch Dolby Atmos Surround Soundbar System User Manual

Model: A51Pro

INTRODUCTION

Thank you for choosing the Hiwill HiElite A51PRO 5.1ch Dolby Atmos Surround Soundbar System. This manual provides comprehensive instructions for setting up, operating, and maintaining your new home theater system. Designed to deliver an immersive audio experience with Dolby Atmos, extended soundstage, deep bass, and clear dialogue, the A51PRO will transform your entertainment. Please read this manual thoroughly before use to ensure proper operation and to maximize the performance of your soundbar system.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Hiwill A51PRO Soundbar
- Wireless Subwoofer (6.5")
- 2 x Wired Rear Surround Speakers
- Remote Control
- Power Adapter for Soundbar
- Power Cable for Subwoofer
- HDMI eARC Cable
- Optical Cable
- AUX Cable
- Wall Mounting Kit (Screws, Wall Plugs, Mounting Template)
- User Manual (this document)

PRODUCT OVERVIEW

Familiarize yourself with the components of your Hiwill A51PRO system.



Figure 1: Complete Hiwill A51PRO 5.1ch Dolby Atmos Soundbar System setup.

Soundbar (Main Unit)

- **Front Display:** Shows current input mode, volume level, and other settings.
- **Control Buttons:** Power, Input, Volume Up/Down.
- **Audio Drivers:** Features multiple precision racetrack drivers, including side tweeters and a dedicated center tweeter for expanded soundstage and clear dialogue.
- **Rear Ports:** HDMI eARC/ARC, Optical, AUX, USB.

Wireless Subwoofer

- **6.5" Driver:** Delivers powerful, deep bass.
- **Wireless Connectivity:** Automatically pairs with the soundbar.
- **Rear Speaker Outputs:** Connect the wired rear speakers to these ports.
- **Power Input:** For connecting the subwoofer's power cable.

6.5" Wireless Subwoofer

Dive Into Ground-Shaking Bass



Figure 2: Internal components of the 6.5-inch wireless subwoofer, highlighting its powerful driver.

Wired Rear Surround Speakers

- **Connectivity:** Connect directly to the wireless subwoofer.
- **Placement:** Position behind the listening area for immersive surround sound.

2x Rear Speakers for an On-Site Experience



Figure 3: Recommended placement of rear speakers for optimal surround sound experience.

Remote Control

- Provides full control over power, input selection, volume, EQ modes, bass, treble, and surround speaker levels.

SETUP

Follow these steps to set up your Hiwill A51PRO soundbar system.

1. Placement

1. **Soundbar:** Place the soundbar centrally below your TV, either on a TV stand or wall-mounted. Ensure no objects block the front or side speakers.
2. **Subwoofer:** Position the wireless subwoofer on the floor, ideally in the front of the room near the soundbar. Experiment with placement for optimal bass response.
3. **Rear Speakers:** Place the wired rear speakers behind your main listening position, one on each side. Connect them to the dedicated outputs on the wireless subwoofer.

2. Connections

Choose the best connection method for your TV and audio sources.

Best 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 supports means that HDMI ARC can only support Atmos transmitted via Dolby Digital Plus, but not Dolby TrueHD Atmos.

Figure 4: Comparison of soundbar connection methods and their audio quality/Dolby Atmos support.

HDMI eARC/ARC (Recommended for Dolby Atmos)

- Connect one end of the provided HDMI cable to the **HDMI eARC/ARC** port on the soundbar.
- Connect the other end to the **HDMI eARC/ARC** port on your TV. This port is usually labeled.
- Ensure your TV's audio output settings are configured for HDMI ARC/eARC and set to "Passthrough" for optimal Dolby Atmos performance.

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 5: Detailed comparison between HDMI eARC and HDMI ARC capabilities.

Optical Connection

- Connect one end of the optical cable to the **OPTICAL** port on the soundbar.
- Connect the other end to the **OPTICAL OUT** port on your TV.
- Select "Optical" input on the soundbar.

AUX Connection

- Connect one end of the 3.5mm AUX cable to the **AUX** port on the soundbar.
- Connect the other end to the **AUDIO OUT** (headphone jack) on your TV or audio device.
- Select "AUX" input on the soundbar.

Bluetooth Connection

- Power on the soundbar and select "Bluetooth" input. The display will show "BT".
- On your mobile device, enable Bluetooth and search for "Hiwill A51PRO".
- Select "Hiwill A51PRO" to pair. Once connected, the soundbar display will show "PAIRED".

USB Connection

- Insert a USB flash drive containing audio files into the **USB** port on the soundbar.
- The soundbar will automatically switch to USB mode and begin playing compatible audio files.

3. Power Connection

1. Connect the power adapter to the soundbar's DC IN port, then plug it into a wall outlet.
2. Connect the power cable to the wireless subwoofer, then plug it into a wall outlet.
3. The subwoofer should automatically pair with the soundbar. If not, refer to the troubleshooting section.

OPERATING INSTRUCTIONS

Learn how to control your Hiwill A51PRO soundbar system.

Basic Operations

- **Power On/Off:** Press the **Power** button on the remote or soundbar.
- **Input Selection:** Press the **Input** button on the remote or soundbar to cycle through HDMI eARC/ARC, Optical, AUX, Bluetooth, and USB modes.
- **Volume Control:** Use **VOL+** and **VOL-** buttons on the remote or soundbar.
- **Mute/Unmute:** Press the **Mute** button on the remote.

Sound Adjustments

Customize your audio experience with various settings.

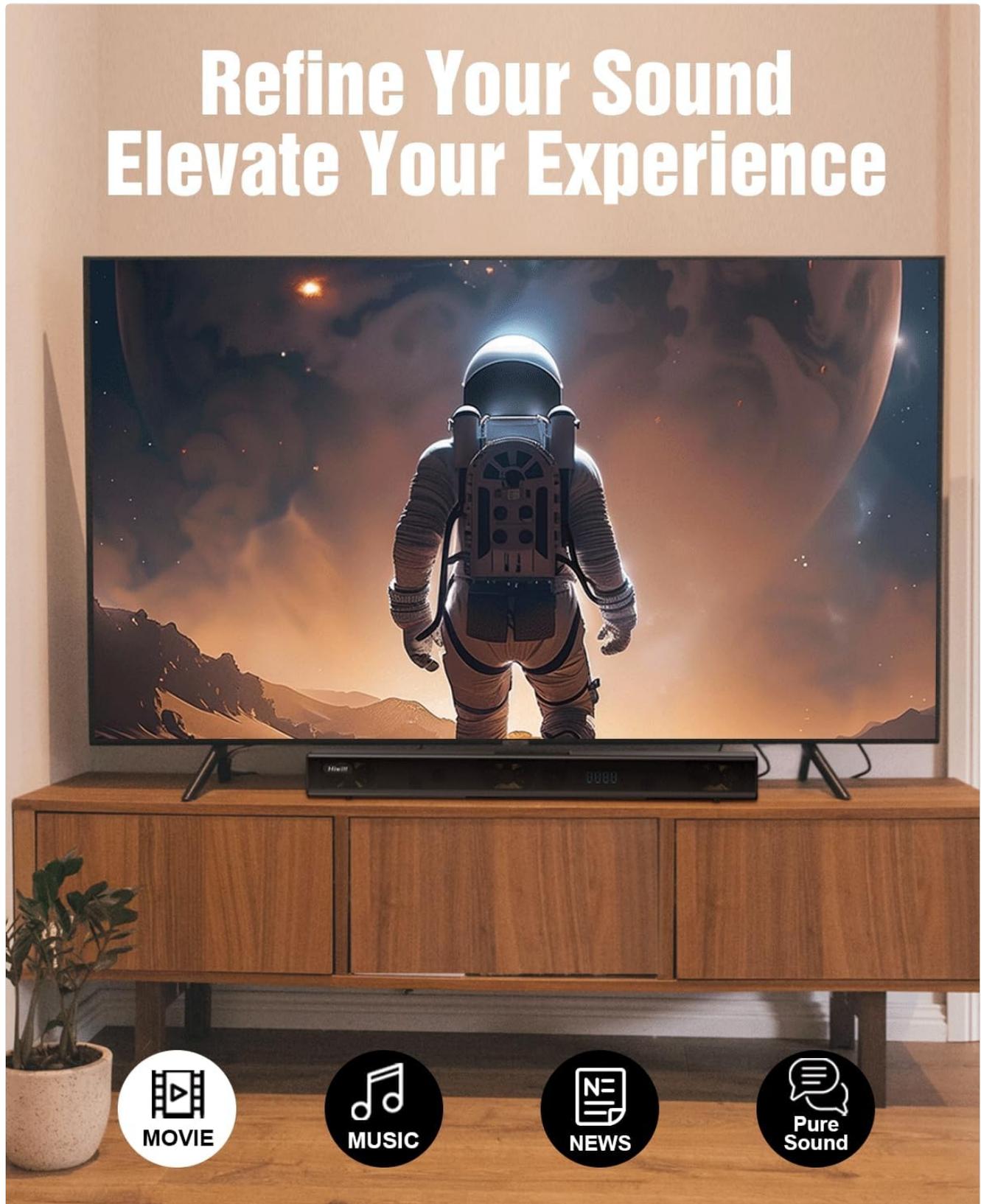


Figure 6: The soundbar offers various EQ modes to optimize audio for different content types.

- **EQ Modes:** Press the **EQ** button on the remote to switch between preset sound modes:
 - **Movie:** Enhanced for cinematic sound, emphasizing surround effects and bass.
 - **Music:** Optimized for music playback, providing balanced audio.
 - **News:** Focuses on vocal clarity for news and dialogue-heavy content.
 - **Pure Sound:** Delivers uncolored, natural audio.
- **Bass Adjustment:** Use **BAS+** and **BAS-** buttons on the remote to increase or decrease subwoofer bass levels.
- **Treble Adjustment:** Use **TRE+** and **TRE-** buttons on the remote to adjust treble levels.
- **Rear Speaker Volume:** Use **R.VOL+** and **R.VOL-** buttons on the remote to adjust the volume of the wired rear speakers.

HXS-Processing Custom-Tuned

Triple Wide Range Tweeters
for Enhanced, Crystal-Clear Voice



Figure 7: HXS Processing and triple wide-range tweeters ensure crystal-clear dialogue and enhanced sound.

FIRMWARE UPDATE

Periodically, firmware updates may be released to improve performance, add features, or address issues. The latest firmware can be obtained from Hiwill support.

Note: Some early batches of this soundbar may not support the memory function. A firmware update can enable

this feature and other improvements like reduced default volume, auto LED off, and softer screen brightness.

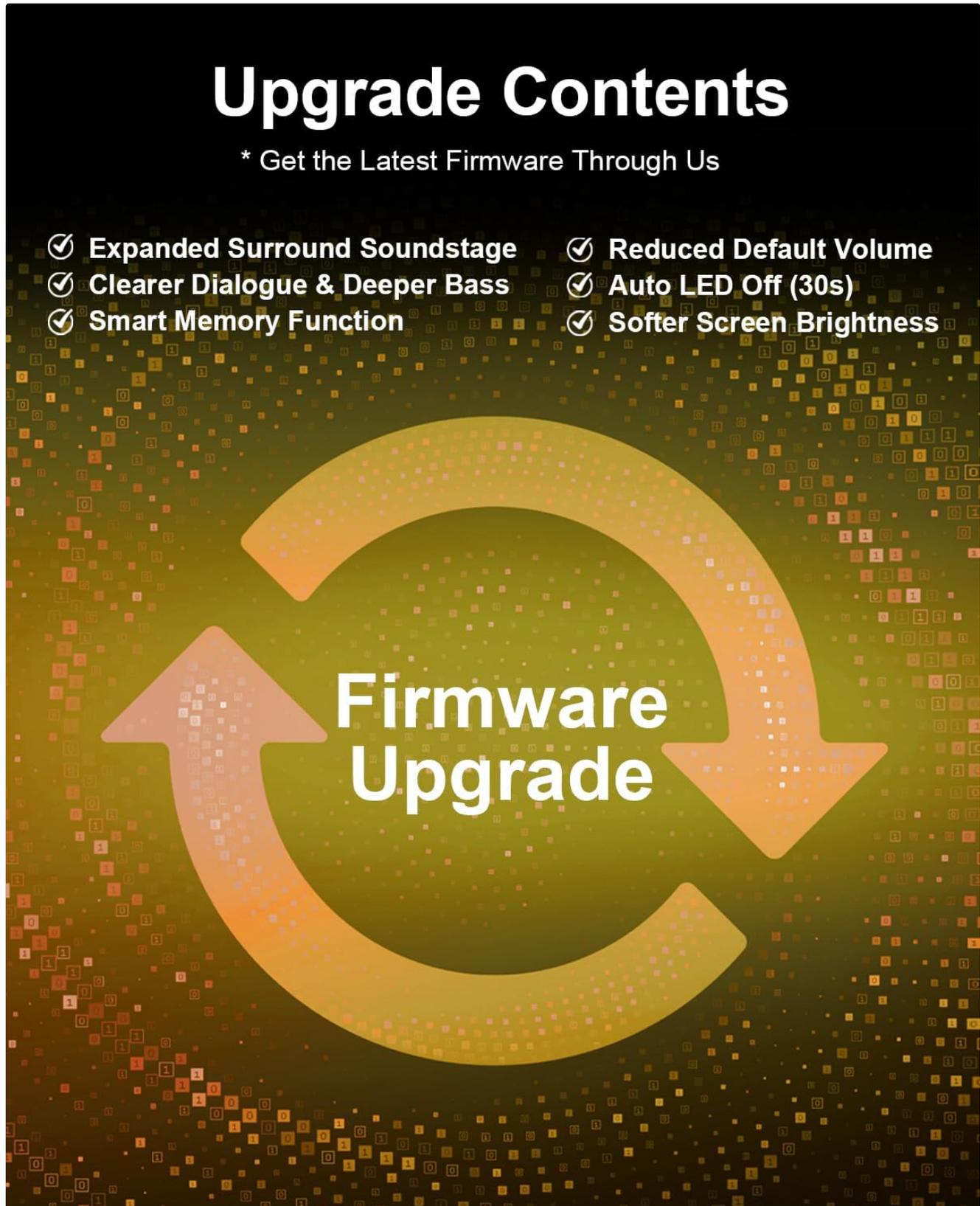


Figure 8: Benefits of a firmware update, including smart memory function and improved display control.

Firmware Update Procedure:

1. **Download Firmware:** Obtain the latest firmware file (e.g., [spupdate.bin](#)) from Hiwill's official support channels. Place this file in the root directory of a USB flash drive.
2. **Prepare Soundbar:** Turn on the soundbar (or restart it) and switch its input mode to **USB**.
3. **Insert USB:** Insert the USB flash drive containing the firmware into the soundbar's USB port.
4. **Initiate Update:** On the remote control, press and hold the **Play/Pause** button until a number is displayed on

the soundbar's screen. Continue holding until the display shows "HI", indicating a successful update.

5. **Finalize Installation:** After the update, unplug the soundbar's power supply, wait a few seconds, and then plug it back in. This ensures the firmware is fully applied.
6. **Adjust TV Settings:** After the upgrade, check your TV's audio output settings and set it to "PASSTHROUGH" for optimal performance. (Go to TV Settings > Sound > Audio Processing > Select "Off" > Digital Audio Output > Select "Passthrough").
7. **Restart Soundbar:** Finally, restart the soundbar to enjoy the upgraded sound and features.

Your browser does not support the video tag.

Video 1: Official Firmware Update Guide for Hiwill Soundbars (Applicable for A51PRO and other models).

MAINTENANCE

Proper care will ensure the longevity of your soundbar system.

- **Cleaning:** Use a soft, dry cloth to clean the surfaces of the soundbar, subwoofer, and speakers. Do not use liquid cleaners or abrasive materials.
- **Ventilation:** Ensure adequate ventilation around all components to prevent overheating. Do not block any ventilation openings.
- **Avoid Moisture:** Keep the system away from water, high humidity, and direct sunlight.
- **Power Off:** If the system will not be used for an extended period, unplug it from the power outlet.

TROUBLESHOOTING

If you encounter issues with your Hiwill A51PRO, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
No power	Power cable not connected or outlet not active.	Ensure all power cables are securely connected and the power outlet is working.
No sound	Incorrect input selected; cables not connected properly; TV audio settings incorrect.	Select the correct input mode. Check all audio cables. Ensure TV audio output is set to external speakers or "Passthrough".
Subwoofer not pairing	Subwoofer not receiving power; interference.	Ensure subwoofer is powered on. Move subwoofer closer to the soundbar. Restart both units.
Remote control not working	Batteries low/dead; obstruction; remote too far.	Replace batteries. Remove any obstructions between remote and soundbar. Ensure you are within range.

Problem	Possible Cause	Solution
Sound distortion	Volume too high; incorrect audio format; poor source quality.	Reduce volume. Check if the audio source is high quality. Ensure TV audio output is set to "Passthrough" for Dolby Atmos content.
Display too bright/doesn't turn off	Default setting; no auto-dimming.	Perform a firmware update (refer to Firmware Update section) to enable auto LED off and softer screen brightness features.
Settings not remembered after power off	Default behavior; no memory function.	Perform a firmware update (refer to Firmware Update section) to enable the smart memory function.

If the problem persists after trying these solutions, please contact Hiwill customer support.

SPECIFICATIONS

Feature	Detail
Model Name	A51Pro
Speaker Type	Soundbar with Wireless Subwoofer and Wired Rear Speakers
Audio Channels	5.1ch (7.1ch-like immersive soundstage with Dolby Atmos)
Audio Output Mode	Surround, Dolby Atmos
Speaker Maximum Output Power	420 Watts (Peak Power)
Subwoofer Diameter	6.5 Inches
Subwoofer Connectivity	Wireless
Connectivity Technology	HDMI eARC/ARC, Optical, Bluetooth 5.3, AUX, USB
Special Features	3x Premium Tweeters & Clear Voice, HXS Processing, Adjustable Bass, Treble, and Surround Levels
Product Dimensions (Soundbar)	23.23"D x 4.65"W x 2.28"H
Item Weight	9.9 pounds (4.5 Kilograms)
Mounting Type	Wall-mounted, or placed on a TV tabletop

WARRANTY AND SUPPORT

The Hiwill A51PRO comes with a Limited Warranty. Please refer to the warranty card included in your package for specific terms and conditions.

For technical support, troubleshooting assistance, or to obtain the latest firmware updates, please visit the official Hiwill website or contact Hiwill customer service directly. You can also visit the [Hiwill Store on Amazon](#) for more information and resources.