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Hiwill A51

Hiwill 5.1ch Soundbar Model A51 Instruction Manual

Model: A51

INTRODUCTION

This manual provides detailed instructions for setting up, operating, and maintaining your Hiwill 5.1ch Soundbar Model A51. Please read this manual thoroughly before using the product to ensure proper functionality and to maximize your audio experience.



Image: Hiwill 5.1ch Soundbar Model A51 components.

WHAT'S IN THE Box

Carefully unpack all components and ensure you have received the following items:

- Soundbar
- Wired Subwoofer
- Wired Surround Speakers x2
- HDMI eARC Cable
- Digital Optical Cable
- Stereo 3.5mm to 3.5mm Audio Cable
- Remote Control
- Remote Control Batteries (One Set)
- Wall Mounted Kit
- User Manual
- Power Cable

 Dolby Atmos

Captivating and Immersive Three-dimensional Soundscapes



Image: All components included with the Hiwill 5.1ch Soundbar Model A51.

SETUP AND INSTALLATION

1. Connecting the Subwoofer and Surround Speakers

Follow these steps to connect the subwoofer and wired surround speakers to your soundbar:

- 1. Power up the Subwoofer:** Plug the subwoofer's power cord into an electrical outlet.
- 2. Connect Subwoofer to Soundbar:** Connect the round DC plug from the subwoofer to the 'DC IN' port on the soundbar. Then, plug the RCA connector from the subwoofer into the 'BASS OUT' port on the soundbar.
- 3. Connect Surround Speakers:** Use the included RCA cables. Plug one cable into the 'SR OUT' port and the other into the 'SL OUT' port on the back of the soundbar. Connect the other ends of these cables to the respective wired surround speakers.

Dolby Atmos 5.1ch 3D Surround Sound



Image: Connection diagram for subwoofer and surround speakers.

2. Speaker Placement for Optimal Sound

Proper placement of your surround speakers is crucial for an immersive audio experience. Consider the size of your room:

For Small Rooms:

Place the surround speakers behind your seating area, such as behind the sofa. Ensure the speakers are at ear level or slightly higher for the best sound distribution.

For Large Rooms:

Avoid placing surround speakers directly behind you if the 7-meter cable is not long enough. Instead, position the speakers near the TV and angle them toward the listening area to achieve great surround sound, especially with Dolby Atmos content.

Optimized Rear Surround Placement – Perfect for Compact Spaces



Image: Recommended speaker placement for different room sizes.

Using Extension Cables (for Large Rooms):

If you need to place the surround speakers further away, you can use RCA extension cables. However, please note:

- The extension cable should not exceed 3 meters to maintain audio quality.
- Using an extension cable may reduce overall sound volume as signal strength weakens with increased cable length.

3. Connecting to Your TV

Once your speakers are connected, choose the best method to connect your soundbar to your TV. The following table outlines recommended connection methods from best to least ideal:

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

Image: Best Connection Methods table.

The Hiwill A51 supports HDMI eARC, which offers higher bandwidth and supports advanced formats like Dolby Atmos for a richer, more immersive audio experience. Here's a comparison:

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

Image: Comparison of HDMI eARC and HDMI ARC.

Installation Video Guide

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Video: This video demonstrates the installation process for the Hiwill A51 Soundbar, including connecting the subwoofer and surround speakers.

OPERATING INSTRUCTIONS

Remote Control

The included remote control allows for comprehensive adjustment of your sound system. You can independently adjust bass, surround sound, and treble levels to personalize your audio experience. The remote comes with a pre-included battery.

Hiwill Exclusive High-quality Speaker Material



Aluminum-magnesium Alloy



Add High-quality Copper Shorting Ring



Image: Hiwill 5.1ch Soundbar remote control.

EQ Modes

The home theater system offers versatile EQ modes to fine-tune your audio experience based on content:

- **PureSound:** For a neutral, uncolored audio profile.
- **Movie:** Enhances dialogue and dynamic range for cinematic content.
- **Music:** Optimizes audio for musical playback.
- **News:** Focuses on vocal clarity for news and spoken word content.

Bass Adjustment

The system features an adjustable bass function, allowing you to tailor the low-frequency response to your preference. The 5.25-inch subwoofer handles deeper lows, contributing to a balanced and comfortable listening experience.



Image: Bass adjustment feature and subwoofer detail.

Surround Speaker Adjustment

The two wired surround speakers support independent 12-level adjustment, allowing you to fine-tune their volume relative to the main soundbar for a personalized surround sound field.

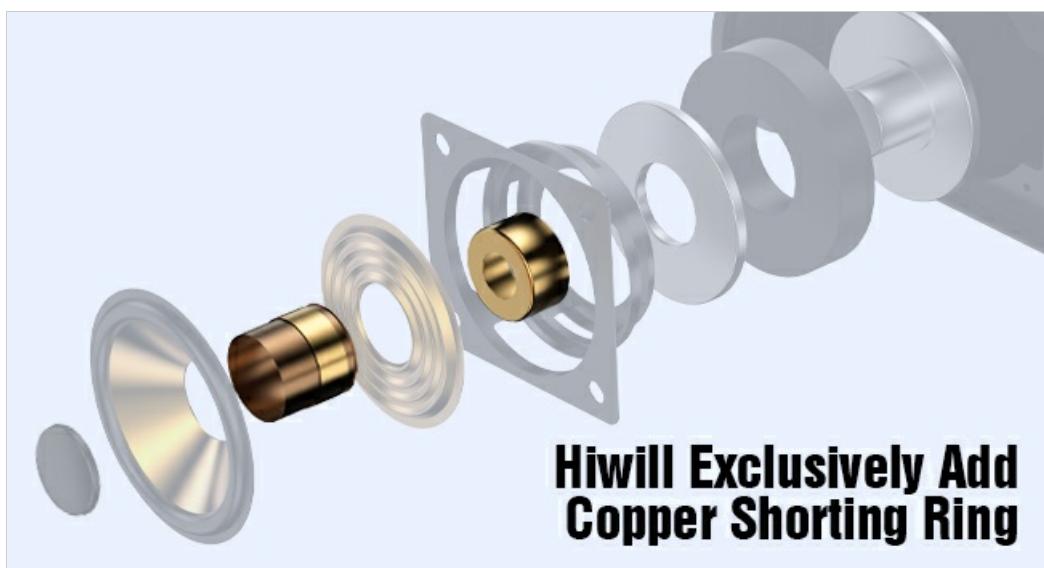


Image: Independent adjustment for rear surround speakers.

FIRMWARE UPDATE

To ensure optimal performance and access to the latest features, it is recommended to keep your soundbar's firmware updated. New firmware may include:

- Expanded Surround Soundstage
- Clearer Dialogue & Deeper Bass
- Smart Memory Function (Note: Some early batches may not support this feature without an update.)
- Enhanced Sound Quality

- Reduced Default Volume
- Auto LED Off (30s)
- Softer Screen Brightness



Image: Firmware Upgrade Contents.

Firmware Update Guide

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Video: This video provides a step-by-step guide on how to perform a firmware update for your Hiwill soundbar using a USB flash drive.

After Firmware Update:

After the upgrade, check your TV's audio output settings and set it to 'PASSTHROUGH' if available. This ensures the soundbar receives the highest quality audio signal. Finally, restart the soundbar to enjoy the upgraded sound.

PRODUCT FEATURES AND TECHNOLOGY

Dolby Atmos Surround System

The Hiwill A51 5.1ch TV sound system is upgraded to Dolby Atmos, providing a theater-like experience. With Dolby Atmos content, audio moves around you in every direction for depth and realism. For non-Dolby content, the system uses rear surround speakers to simulate a virtual surround sound field.

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Video: Experience the immersive Dolby Atmos surround sound capabilities of the Hiwill soundbar.

HXS Processing (ClearVoice Technology)

This next-generation processing delivers enhanced, crystal-clear dialogue, bringing every audio detail to life. The central soundbar ensures even sound across all channels for a balanced listening experience.

Premium Materials

The system utilizes high-end aluminum-magnesium alloy diaphragms for optimal sound quality, offering lightweight design, excellent conductivity, and high rigidity. Each driver is enhanced with a copper shorting ring to reduce interference and improve signal clarity.



Image: Internal components of the speaker driver, showcasing premium materials.

SPECIFICATIONS

Feature	Specification
Model Name	A51
Speaker Type	Soundbar
Surround Sound Channel Configuration	5.1
Speaker Maximum Output Power	380 Watts
Frequency Response	45 Hz
Connectivity Technology	HDMI eARC/ARC/Optical/Bluetooth 5.3/AUX/USB
Wireless Communication Technology	Bluetooth
Subwoofer Connectivity Technology	Wired
Woofer Diameter	5.25 Inches
Product Dimensions	16.93"D x 4.45"W x 2.36"H
Item Weight	13.31 pounds
Control Method	Remote
Compatible Devices	Television, Laptop, Smartphone

TROUBLESHOOTING

If you encounter any issues with your Hiwill 5.1ch Soundbar, please refer to the following common solutions:

- No Sound/Low Volume:** Ensure all cables are securely connected. Check the input source on the soundbar and TV. Verify TV audio output settings are set to 'PASSTHROUGH' or 'External Speaker'. Adjust volume levels on both the soundbar and TV.
- Rear Speakers Not Working:** Confirm the RCA cables for the surround speakers are correctly plugged into

the 'SR OUT' and 'SL OUT' ports. Check the independent volume level for surround speakers using the remote.

- **Volume Resets to High:** This issue can often be resolved by performing a firmware update. Refer to the 'Firmware Update' section for instructions. After the update, unplug the power supply for a few seconds and plug it back in.
- **Distorted Audio:** Check cable connections. Try a different audio source or connection method (e.g., switch from Bluetooth to Optical). Ensure the soundbar is not placed too close to other electronic devices that might cause interference.
- **Remote Control Not Working:** Check the battery in the remote control. Ensure there are no obstructions between the remote and the soundbar.

If the problem persists after trying these steps, please contact Hiwill customer support for further assistance.

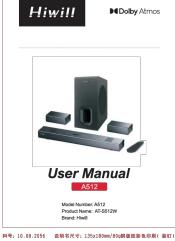
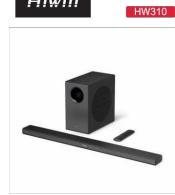
WARRANTY AND SUPPORT

The Hiwill 5.1ch Soundbar Model A51 comes with a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included in your product packaging or visit the official Hiwill website.

For technical support, troubleshooting assistance, or any product-related inquiries, please contact Hiwill customer service. Contact information can typically be found in the user manual or on the manufacturer's website.

Related Documents - A51

 A thumbnail image of the Hiwill A51 PRO Soundbar User Manual. It features the Hiwill logo, the text 'Dolby Atmos', and 'User Manual A51 PRO'. Below the title, it lists 'Model Number: A51 PRO', 'Product Name: A51 PRO', and 'Page: 12-01-2019'. At the bottom, it says '尺寸: 125x120mm/125x120mm/125x120mm'.	<p>Hiwill A51 PRO Dolby Atmos Soundbar User Manual</p> <p>User manual for the Hiwill A51 PRO soundbar with Dolby Atmos. Includes setup instructions, safety information, connectivity options (eARC, Optical, AUX, Bluetooth), remote control functions, wall mounting guide, and specifications.</p>
 A thumbnail image of the Hiwill D20 Soundbar User Manual. It features the Hiwill logo, the text 'Dolby Audio', and 'User Manual D20'. Below the title, it lists 'Model Number: D20', 'Product Name: D20', and 'Page: 10-01-2019'. At the bottom, it says '尺寸: 145x125mm/92x125mm/92x125mm'.	<p>Hiwill D20 Soundbar User Manual: Setup, Connections, and Specifications</p> <p>A comprehensive user manual for the Hiwill D20 soundbar, detailing setup instructions, connection methods (ARC, Optical, AUX, Bluetooth), control panel and remote functions, placement guidance, technical specifications, and FCC compliance information.</p>
 A thumbnail image of the Hiwill HW210 Soundbar User Manual. It features the Hiwill logo, the text 'HW210', and 'User Manual'. Below the title, it lists 'Model Number: HW210', 'Product Name: HW210', and 'Page: 10-01-2019'. At the bottom, it says '尺寸: 145x125mm/92x125mm/92x125mm'.	<p>Hiwill HW210 Soundbar User Manual</p> <p>Detailed user manual for the Hiwill HW210 soundbar, covering setup, features, connectivity options (Bluetooth, HDMI ARC, Optical, AUX), and troubleshooting for home theater audio.</p>

 <p>Hiwill AT-S512W Soundbar User Manual</p> <p>User manual for the Hiwill AT-S512W soundbar system, providing setup, connection, operation, and specifications. Includes safety instructions, accessory list, pairing guide, connection methods (ARC, Optical, AUX, BT), control panel and remote functions, placement options, and technical specifications.</p>	
 <p>Hiwill HW310 Soundbar User Manual</p> <p>User manual for the Hiwill HW310 soundbar system, detailing setup, connections, controls, specifications, and safety instructions.</p>	
 <p>Hiwill A502 Soundbar User Manual</p> <p>User manual for the Hiwill A502 soundbar, detailing setup, connections, controls, specifications, and safety instructions.</p>	