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Hiwill WoNoble A502

Hiwill WoNoble A502 Dolby Atmos Soundbar User Manual

Model: WoNoble A502

INTRODUCTION

Thank you for choosing the Hiwill WoNoble A502 Dolby Atmos Soundbar. This soundbar is designed to deliver an immersive audio experience with its 5.2.2-channel system, 9 precision-engineered drivers, and wooden enclosure for superior sound quality. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure you get the most out of your device.



Image: The Hiwill WoNoble A502 Dolby Atmos Soundbar positioned in front of a television, showcasing its sleek design and Dolby Atmos branding.

PACKAGE CONTENTS

Please check the box for the following items:

- Hiwill WoNoble A502 Soundbar
- Power Cord
- 3.5mm Audio Cable
- HDMI eARC Cable
- Digital Optical Cable
- User Manual
- Remote Control with 2 AAA Batteries

PRODUCT FEATURES

The Hiwill WoNoble A502 Soundbar incorporates advanced audio technologies and design elements for an exceptional listening experience:

- **5.2.2-Channel System:** Delivers immersive Dolby Atmos sound with dedicated up-firing and side-firing drivers.
- **Wooden Enclosure:** Enhances acoustic resonance, enriches low-frequency response, and minimizes distortion for clear, balanced audio.
- **9 Precision-Engineered Drivers:** Includes up-firing drivers, side-firing tweeters, built-in dual subwoofers, and a racetrack central speaker for comprehensive sound delivery.
- **Dolby Atmos Enabled:** Provides a three-dimensional sound experience with precise sound localization and vertical sound effects.
- **Resonance Optimization Architecture Technology:** Meticulously refines resonance properties of drivers and the wooden enclosure for optimal sound wave alignment.
- **HarmonicX Sound Processing Technology:** Enhances voice clarity through audio output analysis, delivering realistic and precise dialogue.
- **Dual 2.5-inch Built-in Subwoofers:** Provides deep, resonant bass and improves low-frequency balance for a cohesive sound field.
- **Lightweight Magnesium-Aluminum Diaphragm:** Combined with voice coil and Neodymium magnet, it minimizes distortion and maximizes dynamic range for crystal-clear high frequencies.
- **Connectivity:** Supports HDMI eARC, Optical, Bluetooth 5.3, USB, and Auxiliary inputs.

Revolutionary Upgrade Next-Level Immersion

Left. Right. Center. Sides. Up.
Activate all-around-you audio
with this powerful 9-driver all-wood soundbar



Image: An exploded diagram illustrating the internal components and driver placement within the Hiwill WoNoble A502 soundbar, highlighting its 9-driver all-wood design.

Three-Dimensional Spatial Audio Experience

Dolby Atmos offers an immersive three-dimensional sound experience that transcends traditional surround sound systems. By placing sounds anywhere in a three-dimensional space, it allows audiences to perceive audio coming from various directions including overhead, enhancing the sense of presence and engagement during viewing



Image: A visual representation of the three-dimensional spatial audio experience provided by Dolby Atmos, showing sound enveloping a living room from various directions.

SETUP AND CONNECTIONS

Follow these steps to connect your soundbar to your television or other audio sources.

Recommended Connection Methods

The following table outlines the best connection methods for optimal audio quality and Dolby Atmos support:



Upgrade Contents

- ✔ Expanded Surround Soundstage
- ✔ Clearer Dialogue & Deeper Bass
- ✔ Smart Memory Function
- ✔ Enhanced Sound Quality
- ✔ Reduced Default Volume
- ✔ Auto LED Off (30s)
- ✔ Softer Screen Brightness

*Note: Get the firmware through us

Image: A comparison table detailing various audio connection methods (HDMI eARC, HDMI ARC, Optical, Bluetooth, AUX) and their respective audio quality, Dolby Atmos support, and recommended ratings.

HDMI eARC Connection (Recommended for Dolby Atmos)

1. Locate the HDMI eARC/ARC port on your TV.
2. Connect one end of the provided HDMI eARC cable to the HDMI eARC/ARC port on your TV.
3. Connect the other end of the HDMI eARC cable to the HDMI eARC/ARC port on the soundbar.
4. Ensure your TV's audio output settings are configured to "PASSTHROUGH" for optimal Dolby Atmos experience. (Refer to your TV's manual for specific instructions).

For more details on HDMI eARC vs. HDMI ARC, refer to the comparison table below:

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: A detailed comparison table highlighting the differences between HDMI eARC and HDMI ARC, including bandwidth, audio format support, and other technical specifications.

Optical Connection

1. Connect one end of the Digital Optical Cable to the Optical OUT port on your TV.
2. Connect the other end of the Optical Cable to the OPTICAL port on the soundbar.
3. Ensure your TV's audio output is set to "PCM" or "Stereo" as Dolby Atmos is not supported via Optical.

Bluetooth Connection

1. Press the "Input" button on the soundbar or remote control to switch to Bluetooth mode (display will show "BT").
2. On your mobile device, enable Bluetooth and search for "Hiwill A502".
3. Select "Hiwill A502" to pair. Once connected, the display will show "PAIRED".

AUX Connection

1. Connect one end of the 3.5mm Audio Cable to the AUX OUT port of your audio source.
2. Connect the other end of the 3.5mm Audio Cable to the AUX port on the soundbar.
3. Press the "Input" button on the soundbar or remote control to switch to AUX mode (display will show "AUX").

USB Connection

The USB port is primarily used for firmware updates. For media playback, ensure your USB drive is formatted correctly and contains compatible audio files. Insert the USB drive into the USB port on the soundbar, and the soundbar should automatically switch to USB mode.

OPERATING INSTRUCTIONS

This section covers the basic operation of your Hiwill WoNoble A502 Soundbar.

Power On/Off

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

Volume Control

- Use the **VOL+** and **VOL-** buttons on the soundbar or remote control to adjust the master volume.
- The display will show the current volume level.

Input Selection

- Press the **Input** button on the soundbar or remote control to cycle through available input sources (HDMI eARC, Optical, Bluetooth, AUX, USB).
- The display will indicate the currently selected input mode.

Sound Modes and EQ

- The remote control includes an **EQ** button to switch between different sound modes (e.g., Movie, Music, News).
- Adjust treble and bass levels using the dedicated **TRE+/-** and **BAS+/-** buttons on the remote control.

FIRMWARE UPDATE GUIDE

Keeping your soundbar's firmware updated ensures optimal performance and access to new features. This guide is applicable for models A41, A51, A21, A502, A41PRO, A51PRO, A312, and A512.

Your browser does not support the video tag.

Video: A step-by-step guide on how to update the firmware for Hiwill soundbars, including the WoNoble A502 model.

1. Step 1: Download Firmware

Download the latest firmware file (e.g., `spupdate.bin`) from the official Hiwill support website. Place this file in the root directory of a USB flash drive.

2. Step 2: Prepare Soundbar

Turn on the soundbar (or restart it if it's already on) and switch its input mode to **USB**.

3. Step 3: Insert USB Drive

Insert the USB flash drive containing the firmware file into the USB port on the soundbar.

4. Step 4: Initiate Update

Press and hold the **[Play/Pause]** button on the remote control until a number is displayed on the soundbar's screen. Continue holding until the number reaches 99, and then "HI" appears. This indicates the firmware update is successful.

5. After Installation:

Unplug the power supply from the soundbar, wait for a few seconds, and then plug it back in. This ensures the firmware is fully applied and the installation is successful.

6. TV Audio Settings After Upgrade:

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. Final Step:

Finally, restart the soundbar to enjoy the upgraded sound.

Note: The memory function is not supported in this batch; please get the firmware update through us to enable it.

MAINTENANCE

Proper care will ensure the longevity of your soundbar.

- **Cleaning:** Use a soft, dry cloth to clean the surface of the soundbar. Do not use liquid cleaners or aerosols.
- **Placement:** Place the soundbar on a stable, flat surface or mount it securely on a wall. Ensure adequate ventilation around the unit.
- **Avoid Moisture:** Keep the soundbar away from water, high humidity, and direct sunlight.
- **Power:** Unplug the soundbar from the power outlet during lightning storms or when unused for long periods.

TROUBLESHOOTING

If you encounter any issues with your soundbar, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
No Sound / Low Volume	<ul style="list-style-type: none">◦ Ensure the soundbar is powered on and the correct input source is selected.◦ Check the volume level on both the soundbar and your TV/audio source.◦ Verify all cables are securely connected.◦ If using Optical/HDMI ARC, ensure TV audio output is set to PCM/Passthrough.
Sound Crackling or Distortion	<ul style="list-style-type: none">◦ Reduce the volume level.◦ Check for loose cable connections.◦ Ensure the audio source is not distorted.◦ Consider updating the firmware if not already done, as this can improve sound quality.
Remote Control Not Working	<ul style="list-style-type: none">◦ Check and replace the batteries in the remote control.◦ Ensure there are no obstructions between the remote and the soundbar.◦ Point the remote directly at the soundbar's sensor.
Bluetooth Pairing Issues	<ul style="list-style-type: none">◦ Ensure the soundbar is in Bluetooth pairing mode.◦ Disable and re-enable Bluetooth on your device.◦ Move your device closer to the soundbar.◦ Clear previous Bluetooth connections on your device.
Display Light Remains On / Power Mode Confusion	<ul style="list-style-type: none">◦ The soundbar is designed to enter a low-power standby mode. The display light may turn off automatically after a short period (e.g., 30 seconds) in some modes.◦ To fully power off the unit, press the power button on the remote or soundbar.◦ If the display light is excessively bright, there is currently no user-adjustable brightness setting.
Included Cables Not Working	<ul style="list-style-type: none">◦ Test the cables with another compatible device to confirm functionality.◦ If cables are confirmed faulty, please contact Hiwill customer support for replacements.

SPECIFICATIONS

Feature	Detail
Model Name	WoNoble A502
Speaker Type	Soundbar
Material	Wood
Surround Sound Channel Configuration	5.2.2

Feature	Detail
Speaker Maximum Output Power	400 Watts
Audio Encoding	Dolby Atmos
Frequency Response	20 KHz
Connectivity Technology	Auxiliary, USB, Optical, HDMI eARC, Bluetooth 5.3
Bluetooth Range	33 Feet
Product Dimensions (D x W x H)	4.7" x 33.1" x 3.1"
Item Weight	11 Pounds
Mounting Type	Tabletop or Wall Mount
Power Source	Corded Electric
Control Method	Remote, Button
Recommended Uses	For Surround Sound Systems, Gaming Consoles, Televisions, Computers, Smartphones/Tablets, DVD Players
Compatible Devices	Projector, Television, Desktop, Home Theater, Smartphone

WARRANTY AND SUPPORT

The Hiwill WoNoble A502 Soundbar comes with an **Extended Warranty**. For warranty claims, technical support, or any inquiries regarding your product, please contact Hiwill customer service.

You can find contact information on the official Hiwill website or through your purchase platform. Please have your model number (WoNoble A502) and purchase details ready when contacting support.



Image: The Hiwill brand logo and a statement emphasizing their commitment to high-quality audio.