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Alwtniet HY300

Alwtniet Mini Portable Projector HY300 User Manual

Model: HY300

1. Introduction

Thank you for purchasing the Alwtniet Mini Portable Projector HY300. This projector is designed to provide a versatile and immersive viewing experience with its advanced features, including 5G WiFi 6, Bluetooth 5.0, Android 11 operating system, 4K support, and a 180° rotatable projection design. Please read this manual carefully before use to ensure proper operation and to maximize your enjoyment of the product.

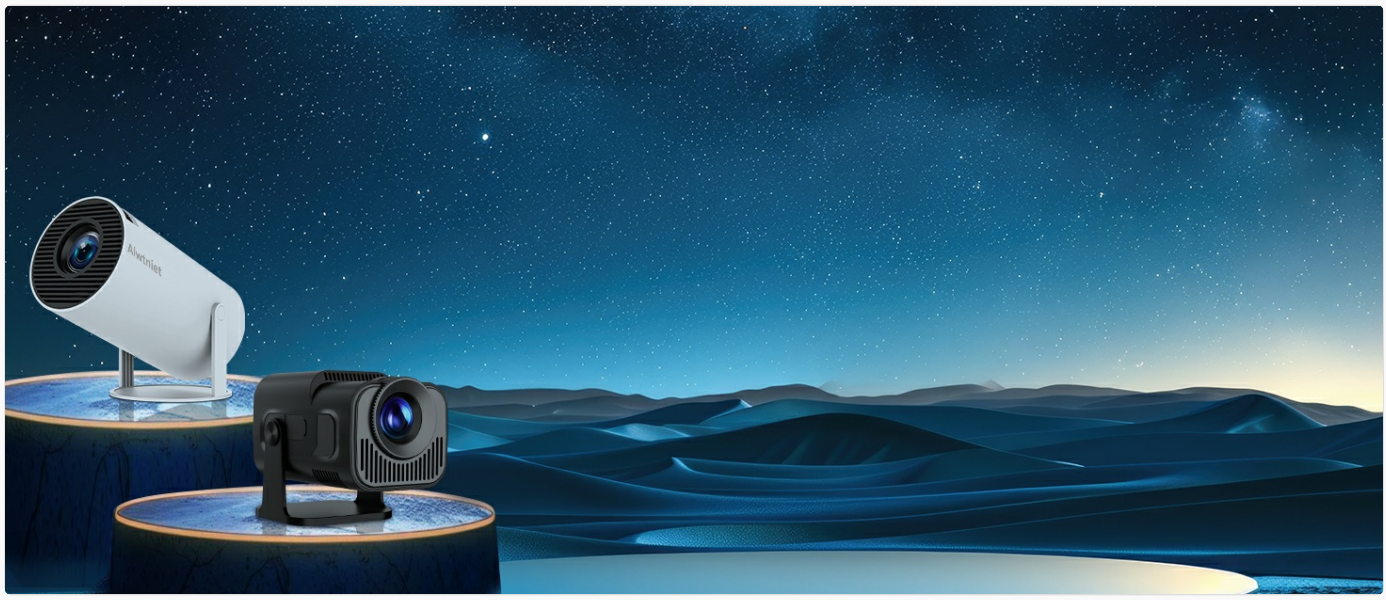


Image: The Alwtniet Mini Portable Projector HY300 in white and black variants, highlighting its compact and modern design.

2. Safety Information

To prevent fire, electric shock, or injury, please observe the following safety precautions:

- Do not block the ventilation openings.
- Do not look directly into the projector lens when the lamp is on.
- Do not place the projector on an unstable cart, stand, or table.
- Do not expose the projector to rain or moisture.
- Refer all servicing to qualified service personnel.
- Use only attachments/accessories specified by the manufacturer.

3. Package Contents

Please check that all items are included in your package:

- Alwtniet Mini Portable Projector HY300
- Power Adapter (EU Plug)
- Remote Control
- User Manual

4. Product Overview

The HY300 projector features a compact design with essential ports for connectivity and a unique 180° rotatable stand for flexible projection angles.

Key Features:

- **180° Rotatable Design:** Allows projection onto walls, ceilings, or floors.
- **Android 11 OS:** Built-in smart system for direct app access.
- **Dual-band Wi-Fi 6:** For fast and stable wireless connectivity.
- **Bluetooth 5.0:** Connect external audio devices wirelessly.
- **Auto Horizontal Keystone Correction:** Automatically adjusts image shape.
- **4K Support:** Supports 4K video playback for high-quality visuals.
- **Built-in HiFi Speaker:** Integrated 5W stereo speakers for clear audio.



Image: The Alwtniet HY300 projector highlighting its 180° rotatable design and connectivity options.

5. Setup

5.1 Powering On

1. Place the projector on a stable, flat surface.
2. Connect the power adapter to the projector's power input and then to a power outlet.
3. Press the power button on the projector or remote control to turn it on.

5.2 Adjusting Projection Angle (180° Rotation)

The projector features a 180° rotatable design, allowing you to adjust the projection angle to suit your needs. Simply rotate the projector body on its stand to project onto a wall, ceiling, or any desired surface.



Image: Flexible projection angles with the 180° rotatable design.

5.3 Focus and Keystone Correction

- **Auto-Focus:** The projector is equipped with an auto-focus system that quickly adjusts for a clear image.
- **Auto Horizontal Keystone Correction:** The projector automatically corrects horizontal trapezoidal distortion.
- **Manual Keystone Correction:** For vertical adjustments or fine-tuning, use the manual keystone correction settings in the menu.



Image: Projector displaying a clear, vibrant image.

6. Operating Instructions

6.1 Android 11 OS and Apps

The projector runs on Android 11.0, providing access to a wide range of applications via the Google Play Store. You can download and install over 4000 apps directly on the projector.



Image: Android 11 OS interface on the projector.

6.2 Wi-Fi Connectivity

Connect the projector to your home network using the built-in dual-band 5G + 2.4G Wi-Fi 6 for smooth online streaming and faster data transmission.

1. Navigate to **Settings** on the home screen.
2. Select **Network & Internet**.
3. Turn on **Wi-Fi** and select your desired network.
4. Enter the password if prompted.

6.3 Bluetooth Connectivity

Pair the projector with external Bluetooth speakers, headphones, or other audio equipment for an enhanced sound experience.

1. Navigate to **Settings** on the home screen.
2. Select **Connected Devices** or **Bluetooth**.
3. Turn on **Bluetooth** and search for available devices.
4. Select your device from the list to pair.

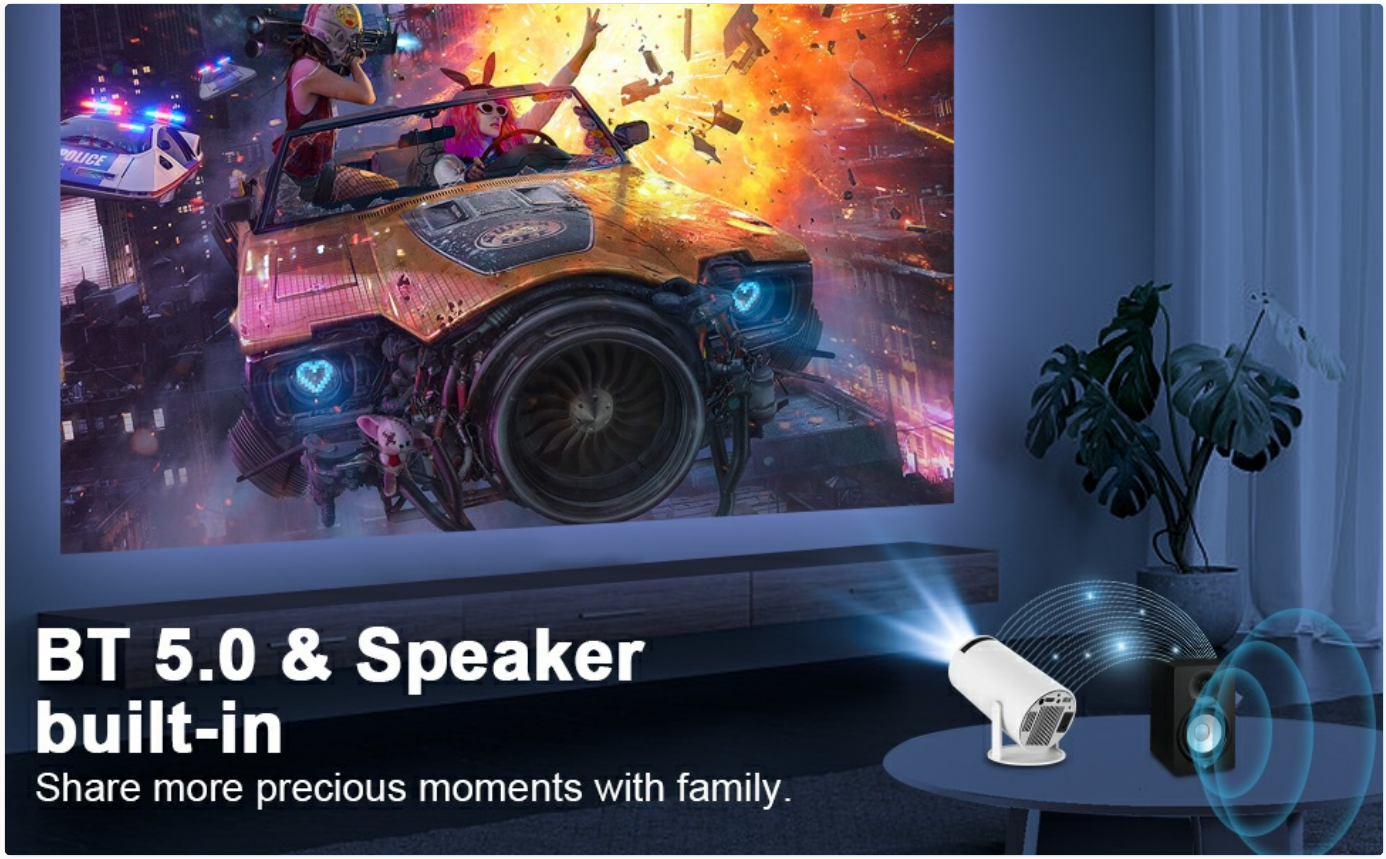


Image: Projector connected to an external Bluetooth speaker.

6.4 Screen Mirroring (Miracast, Airplay, DLNA)

Mirror your smartphone or tablet screen to the projector wirelessly.

- **Miracast (for Android devices):** Ensure your Android device and the projector are on the same local Wi-Fi network. On the projector, go to **My Applications → Miracast → Open Miracast Service**. Then, enable screen mirroring on your Android device and connect.
- **Airplay (for iOS devices):** Ensure your iOS device and the projector are on the same local Wi-Fi network. On the projector, go to **My Applications → Air Pin → Open Air Pin Service**. Then, enable screen mirroring (Screen Mirroring) on your iOS device and connect.
- **DLNA:** For compatible devices and applications.

Note: Due to copyright restrictions, certain streaming platforms like Netflix, Amazon Prime, and Disney+ may not support mirrored display. For these services, it is recommended to use a TV stick connected to the projector or download the apps directly on the projector via the Google Play Store.

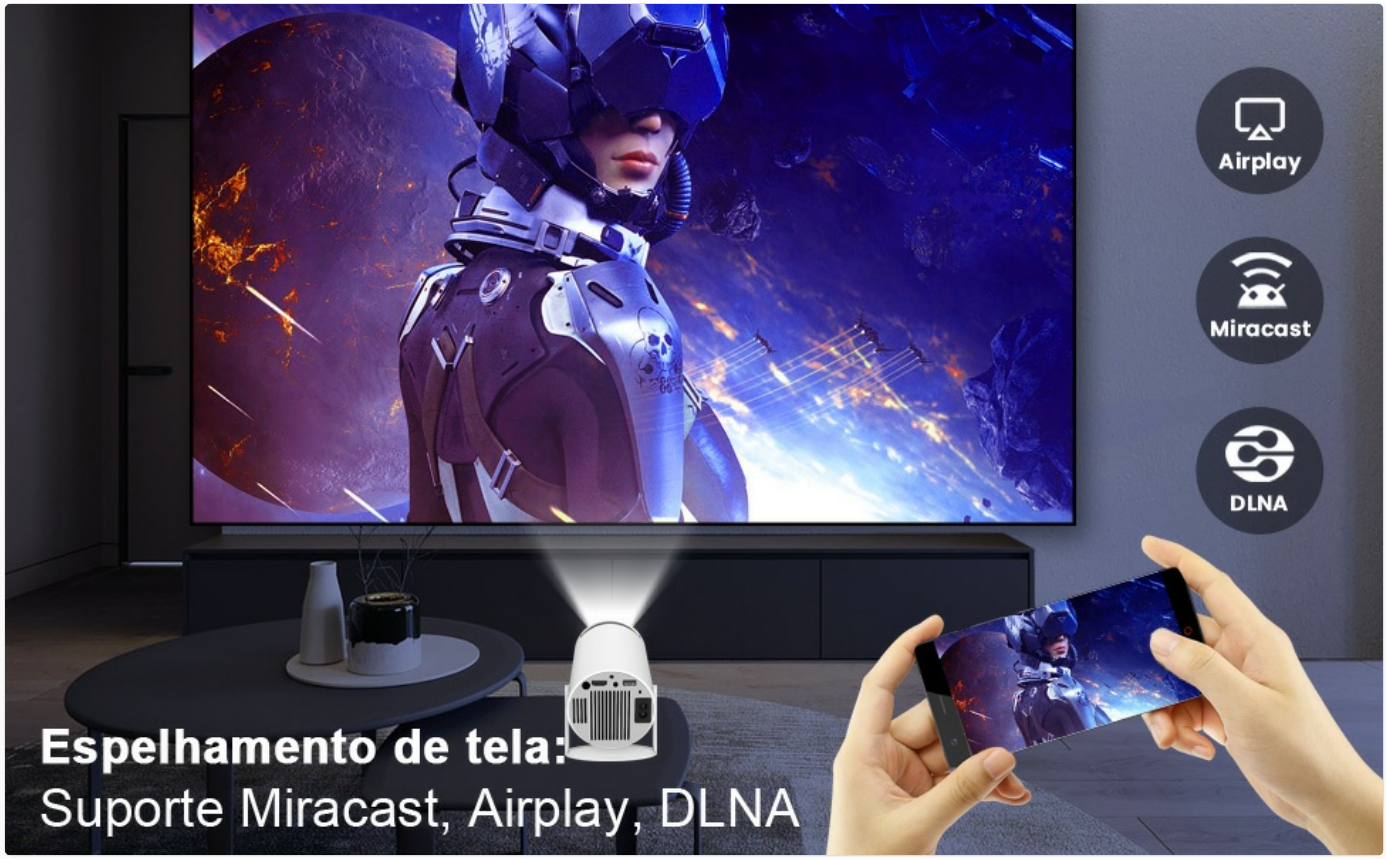


Image: Screen mirroring functionality with a smartphone.

6.5 Connecting External Devices

The projector supports various external devices via its ports:

- **USB Port:** Connect USB flash drives for media playback.
- **HD Port:** Connect TV sticks/boxes, game consoles, PCs, laptops.
- **AV Port:** Connect older devices with AV output.
- **3.5mm Headphone Port:** Connect wired headphones or external speakers.

7. Maintenance

7.1 Cleaning the Lens

Use a soft, lint-free cloth specifically designed for optical lenses. Do not use abrasive cleaners or solvents.

7.2 Cleaning the Projector Body

Wipe the exterior with a soft, dry cloth. For stubborn stains, use a slightly damp cloth and then dry thoroughly.

7.3 Storage

When not in use, store the projector in a cool, dry place, away from direct sunlight and extreme temperatures. Consider using a protective case for travel or long-term storage.



Image: Projector being stored in a backpack, emphasizing its portable design.

8. Troubleshooting

Problem	Possible Cause	Solution
No image displayed	Power cable disconnected; Projector off; Input source incorrect.	Check power connection; Turn on projector; Select correct input source.
Image is blurry	Out of focus; Incorrect keystone setting.	Allow auto-focus to adjust or manually adjust focus; Correct keystone settings.
No sound	Volume too low; Muted; External audio device not connected/paired.	Increase volume; Unmute; Check Bluetooth connection or wired audio connection.
Wi-Fi connection unstable	Distance from router; Interference; Router issues.	Move projector closer to router; Reduce interference; Restart router.
Screen mirroring not working	Not on same Wi-Fi network; App restrictions; Feature not enabled.	Ensure both devices are on the same Wi-Fi; Check app compatibility; Enable mirroring service on projector.

9. Specifications

Model Number	HY300
Native Resolution	1280 x 720 (720P Full HD)
Maximum Supported Resolution	3840 x 2160 Pixels (4K)
Brightness	200 ANSI Lumens (8000 Lumens)
Contrast Ratio	10000:1
Light Source Life	Up to 50,000 Hours
Projection Size	30 - 200 Inches
Projection Ratio	0.9
Operating System	Android 11.0
Wi-Fi	Dual-band 5G + 2.4G Wi-Fi 6
Bluetooth	Bluetooth 5.0
GPU	ARM Mali-G31 MP2
Audio	Built-in 5W Stereo HiFi Speaker
Connectivity	HD, USB, AV, 3.5mm Headphone Jack
Special Features	180° Rotatable Design, Auto Horizontal Keystone Correction, Auto-Focus, Portable

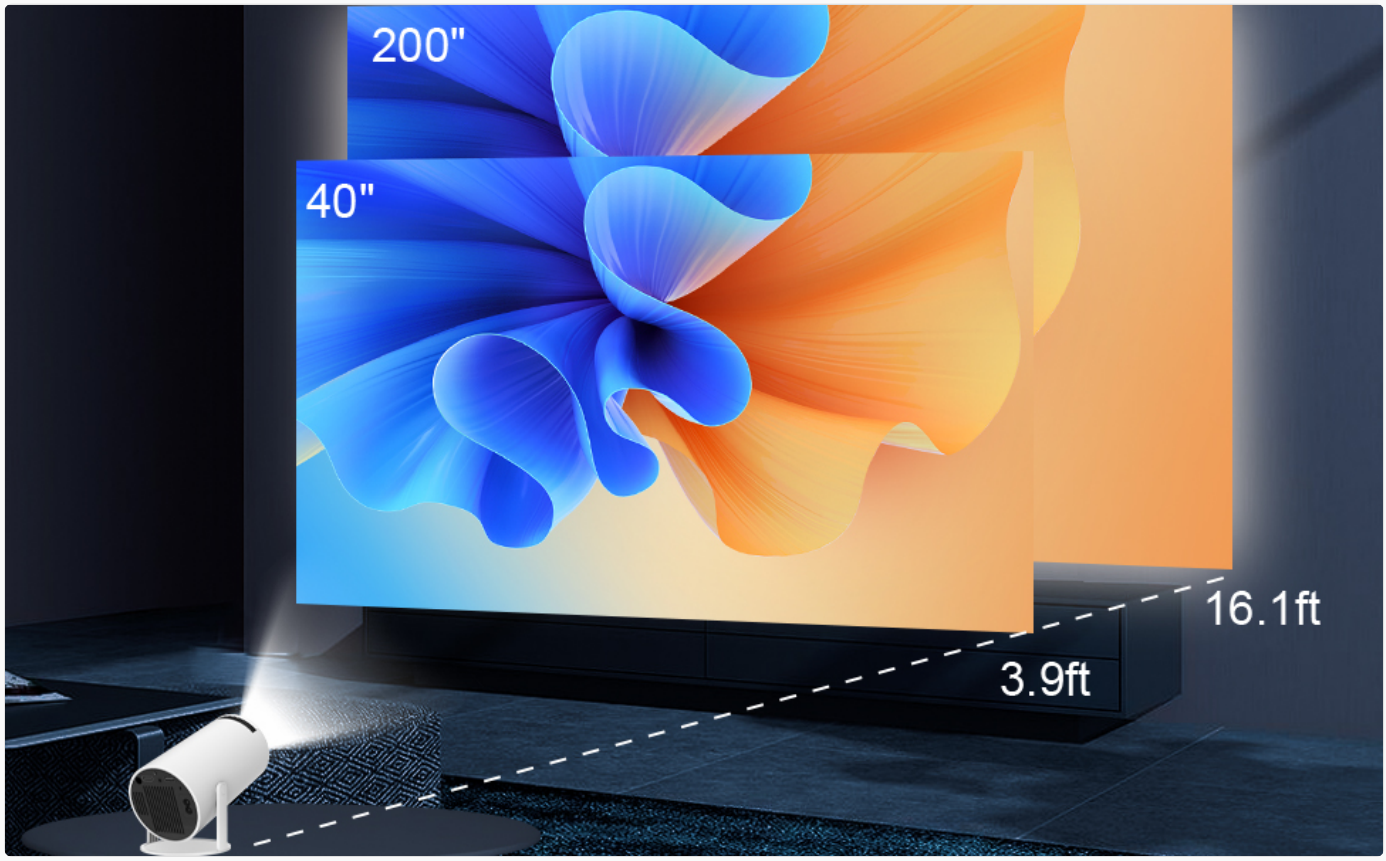


Image: Illustration of projection size capabilities (40" to 200").

10. Warranty and Support

The Alwtniet Mini Portable Projector HY300 comes with a**1-year refund guarantee** and a **2-year repair warranty**. For any questions, technical support, or warranty claims, please refer to the contact information provided in your product packaging or reach out to our customer service team. We are committed to providing a quick and satisfactory solution.

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