

## Alwtniet HY300

# Alwtniet HY300 Mini Projector User Manual

Model: HY300 | Brand: Alwtniet

## 1. INTRODUCTION

Thank you for choosing the Alwtniet HY300 Mini Projector. This portable smart projector is designed to provide a versatile entertainment experience with its Android operating system, wireless connectivity, and compact design. This manual will guide you through the setup, operation, and maintenance of your new device.

The HY300 features a powerful Allwinner H726 chip, native 720P resolution with 4K support, 200 ANSI lumens brightness, and a 10000:1 contrast ratio. It includes dual-band WiFi 6 and Bluetooth 5.4 for seamless connectivity, a built-in 5W speaker, and flexible projection options with 180° rotation and automatic keystone correction.

## 2. WHAT'S IN THE BOX

Please check the package contents to ensure all items are present:

- Alwtniet HY300 Mini Projector
- Power Cord
- Power Adapter
- Remote Control
- User Manual (this document)

## 3. PRODUCT OVERVIEW

The Alwtniet HY300 Mini Projector is designed for portability and ease of use. Familiarize yourself with its components and features.



Figure 3.1: Front view of the Alwtniet HY300 Mini Projector.



Figure 3.2: The projector's 180° rotatable design allows projection onto various surfaces.

## Key Features:

- **180° Rotatable Lens:** Project onto walls, ceilings, or floors with ease.
- **Compact Design:** Weighing approximately 0.88 lbs, it is highly portable.
- **Integrated Speaker:** Built-in 5W SoundBase Speaker for audio output.
- **Connectivity:** HDMI, USB, Dual-band WiFi 6, Bluetooth 5.4.
- **Smart OS:** Runs on Android 11, providing access to various applications.

## 4. SETUP

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### 4.1 Placement

Position the projector on a stable, flat surface. The flexible 180° rotation allows you to project onto a wall, ceiling, or any desired surface. For optimal viewing, place the projector between 0.6 meters and 2.5 meters from the projection surface to achieve an image size of 40 to 140 inches. For an 80-inch or larger view, a distance of 1.6 meters is recommended.

### 4.2 Power Connection

1. Connect the power adapter to the projector's power input port.
2. Plug the power cord into a standard electrical outlet.
3. The projector will typically indicate power readiness (e.g., an LED indicator).

### 4.3 Initial Power On

Press the power button on the projector or the remote control to turn on the device. The projector will boot up and display the home screen of the Android operating system.

### 4.4 Focus and Keystone Correction

The HY300 features automatic keystone correction and electric focus for a clear, rectangular image.



Figure 4.1: One-Click Electric Focus for sharp images.



Figure 4.2: Automatic and 4P Keystone Correction ensures a perfectly rectangular image.

- **Electric Focus:** The projector automatically adjusts focus. You can also fine-tune it using the remote control.
- **Keystone Correction:** The projector automatically corrects trapezoidal distortion. Manual 4-point (4P) keystone correction is also available in the settings for precise adjustments.

## 5. OPERATING INSTRUCTIONS

### 5.1 Android OS and Applications

The projector runs on Android 11, providing a smart interface with access to various applications. You can download and install apps directly from the integrated app store.

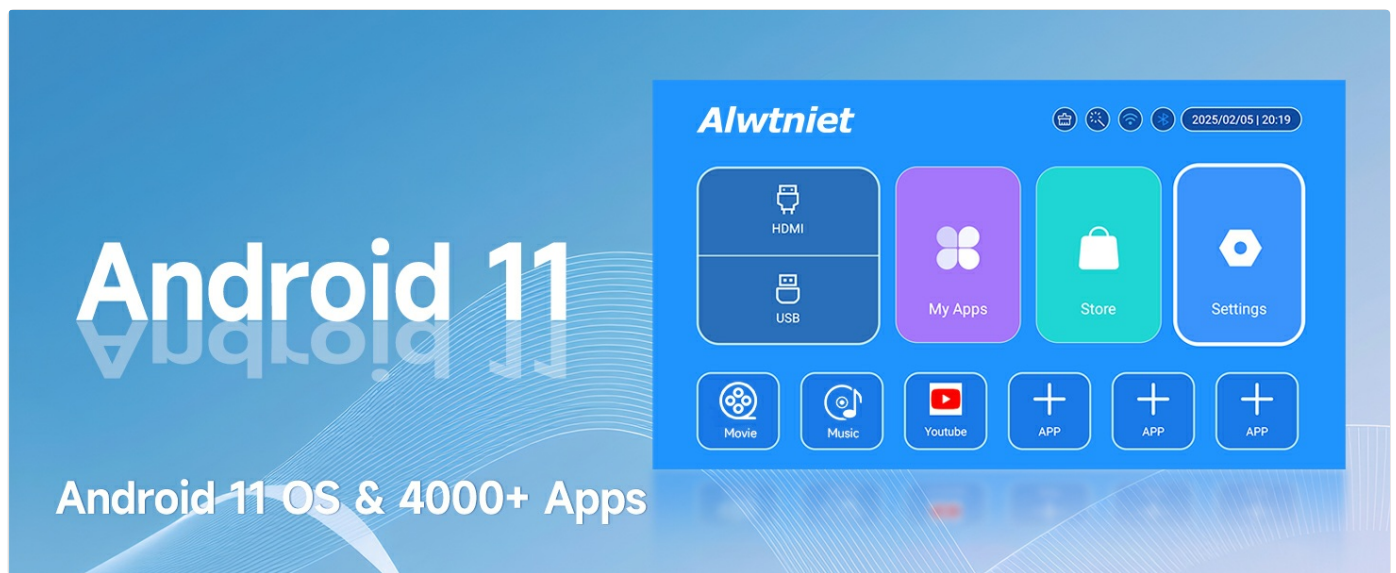


Figure 5.1: Android 11 OS interface with options for HDMI, USB, My Apps, Store, and Settings.

## 5.2 Wireless Connectivity

### 5.2.1 WiFi 6 Connection

The projector supports dual-band WiFi 6 (2.4GHz and 5GHz) for stable and fast internet access.

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



Figure 5.2: WiFi 6 provides smoother and faster streaming compared to WiFi 5.

### 5.2.2 Bluetooth 5.4 Connection

Connect external Bluetooth devices such as speakers, headphones, or game controllers.

1. Go to **Settings**.
2. Select **Connected Devices** or **Bluetooth**.
3. Turn on **Bluetooth** and pair with your desired device.



Figure 5.3: The projector features a 5W Soundbase Speaker and Bluetooth 5.4 for audio.

### 5.3 Screen Mirroring

Mirror content from your smartphone, tablet, or computer using various protocols.

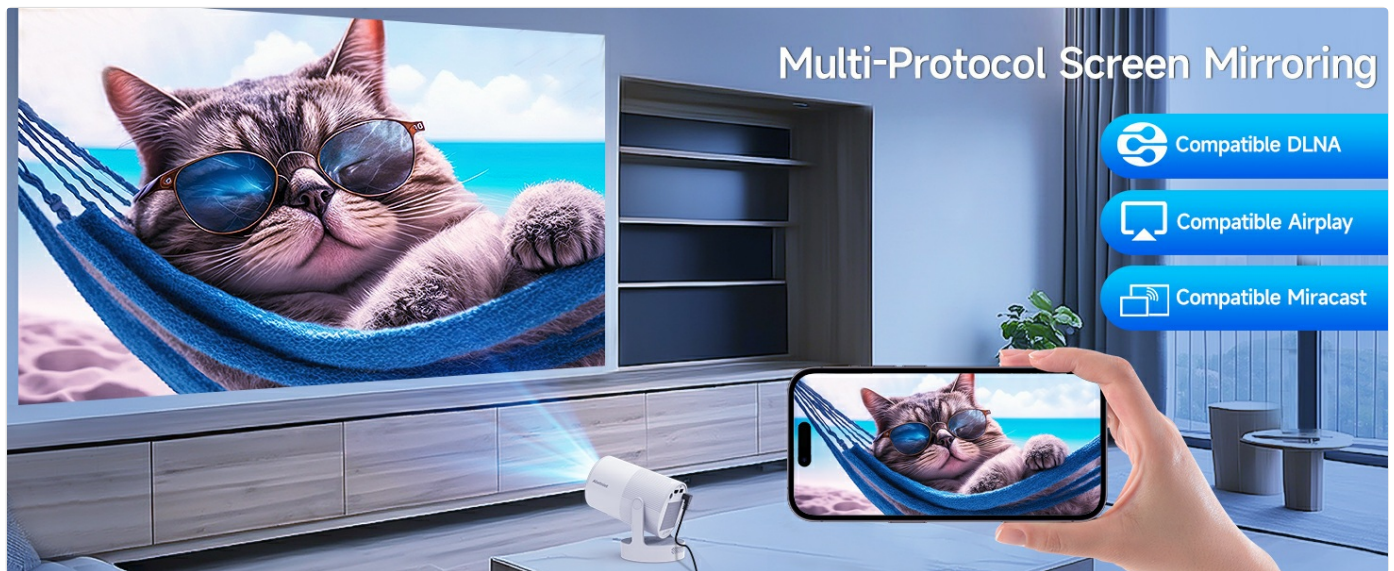


Figure 5.4: Supports DLNA, Airplay, and Miracast for screen mirroring.

- **Airplay:** For Apple iOS devices.
- **Miracast:** For Android devices.
- **DLNA:** For compatible devices and media servers.

Select the appropriate mirroring option from the projector's home screen or app menu and follow the on-screen instructions to connect your device.

### 5.4 Connecting External Devices

The projector includes HDMI and USB ports for connecting various external devices.

## Multiple Devices Connection



Figure 5.5: Connect various devices via HDMI and USB ports.

- **HDMI Port:** Connect gaming consoles, laptops, TV sticks, or DVD players. Select the HDMI input from the projector's source menu.
- **USB Port:** Connect USB drives for playing media files or external devices like cameras. Select the USB input from the projector's source menu.

## 5.5 Remote Control

Use the included remote control to navigate the Android interface, adjust settings, and control media playback. Ensure the remote has fresh batteries and is pointed towards the projector's IR receiver.

## 6. MAINTENANCE

### 6.1 Cleaning the Lens

Use a soft, lint-free cloth specifically designed for optical lenses to gently wipe the projector lens. Avoid using abrasive materials or harsh chemicals, which can scratch or damage the lens coating.

### 6.2 Cleaning the Projector Body

Wipe the exterior of the projector with a soft, dry cloth. Do not use liquid cleaners directly on the device. Ensure ventilation openings are clear of dust and debris to prevent overheating.

### 6.3 Storage

When not in use for extended periods, store the projector in a cool, dry place, away from direct sunlight and extreme temperatures. Use the original packaging or a protective case to prevent dust accumulation and physical damage.

## 7. TROUBLESHOOTING

If you encounter issues with your Alwniet HY300 Mini Projector, refer to the following common problems and solutions:

| Problem  | Possible Solution                                                                                                                                  |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| No Power | Ensure the power cord is securely connected to both the projector and a working power outlet. Check if the power adapter is functioning correctly. |

| Problem                            | Possible Solution                                                                                                                                                                                                                |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No Image / Blurry Image            | Check the focus using the electric focus function. Ensure the projector is within the recommended throw distance. Verify keystone correction settings. If using an external source, ensure it's properly connected and selected. |
| No Sound                           | Adjust the volume on the projector and any connected external audio devices. Check if the projector's internal speaker is enabled in settings. If using Bluetooth audio, ensure it's correctly paired.                           |
| WiFi/Bluetooth Connectivity Issues | Ensure WiFi/Bluetooth is enabled in settings. Restart the projector and your router/Bluetooth device. Check for interference or move closer to the access point.                                                                 |
| Remote Control Not Working         | Replace the batteries. Ensure there are no obstructions between the remote and the projector's IR receiver.                                                                                                                      |

## 8. SPECIFICATIONS

| Feature                     | Specification                                                 |
|-----------------------------|---------------------------------------------------------------|
| Brand                       | Alwniet                                                       |
| Model Number                | RIV001 (HY300pro)                                             |
| Native Resolution           | 1280 x 720 pixels                                             |
| Maximum Display Resolution  | 3840 x 2160 pixels (4K Support)                               |
| Brightness                  | 200 ANSI Lumens                                               |
| Contrast Ratio              | 10000:1                                                       |
| Connectivity Technology     | WiFi 6 (Dual Band), Bluetooth 5.4                             |
| Operating System            | Android 11                                                    |
| Built-in Speaker            | 5W SoundBase Speaker                                          |
| Throw Distance              | 0.6 meters - 2.5 meters                                       |
| Image Size                  | 40 inches - 140 inches                                        |
| Light Source Operating Life | 50,000 hours                                                  |
| Dimensions (L x W x H)      | 3.7" x 6.2" x 3.7"                                            |
| Weight                      | 0.88 lbs                                                      |
| Special Features            | Auto Focus, Auto Keystone Correction, 180° Rotation, Portable |

## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact Alwniet customer service directly. You can typically find contact details on the manufacturer's official website or through your retailer.

Please retain your proof of purchase for any warranty claims.

**ASK A QUESTION ABOUT THIS MANUAL**

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

**Name**

Anonymous

**Email**

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question