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Magcubic HY300PRO

Magcubic HY300PRO Mini Projector User Manual

Model: HY300PRO

Brand: Magcubic

1. INTRODUCTION AND OVERVIEW

The Magcubic HY300PRO Mini Projector is a compact and powerful device designed for versatile entertainment and presentation needs. Featuring Android 11, WiFi, and Bluetooth connectivity, it offers a seamless viewing experience with support for 4K content and a native 720P resolution. Its portable design and 180-degree rotation capability make it ideal for various environments, from home theaters to outdoor movie nights.



Figure 1.1: The Magcubic HY300PRO Mini Projector, demonstrating its compact and portable design.

2. SETUP GUIDE

2.1. Unboxing and Initial Inspection

Carefully remove all components from the packaging. Ensure the following items are present:

- Magcubic HY300PRO Mini Projector
- Power Adapter
- Remote Control
- User Manual (this document)

2.2. Power Connection

Connect the provided power adapter to the DC input port on the projector. Plug the other end of the adapter into a standard electrical outlet. The projector requires an external power supply for operation.

2.3. Placement and Projection

Place the projector on a stable, flat surface. The 180-degree rotating stand allows for flexible projection angles, including walls, ceilings, or any desired surface. For optimal viewing, ensure the projection surface is smooth and light-colored.



Figure 2.1: The projector's 180-degree rotation feature for flexible projection.

2.4. Initial Focus and Keystone Adjustment

After powering on, adjust the focus manually using the focus ring on the projector until the image is clear. The projector features automatic vertical keystone correction to ensure a rectangular image even when projected at an angle. For fine-tuning, manual adjustments can be made through the settings menu.

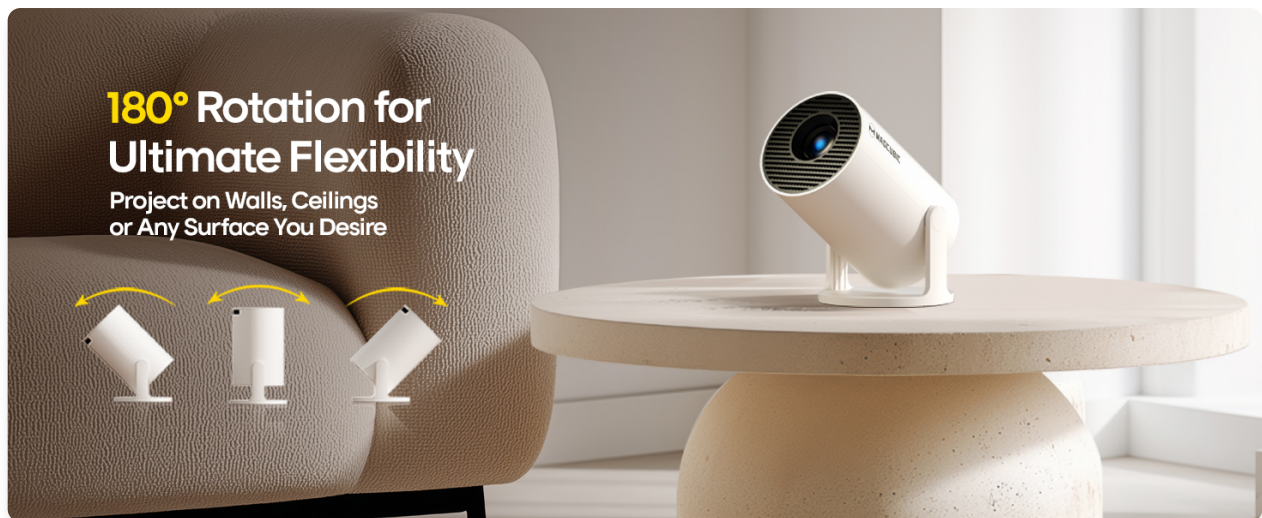


Figure 2.2: Manual focus and automatic vertical keystone correction for quick setup.

3. OPERATING INSTRUCTIONS

3.1. Powering On/Off

Press the power button on the projector or the remote control to turn the device on or off.

3.2. Navigating the Android 11 Interface

The projector runs on Android 11, providing a smart TV-like experience. Use the remote control to navigate through the home screen, select applications, and adjust settings. The interface is designed for intuitive use.

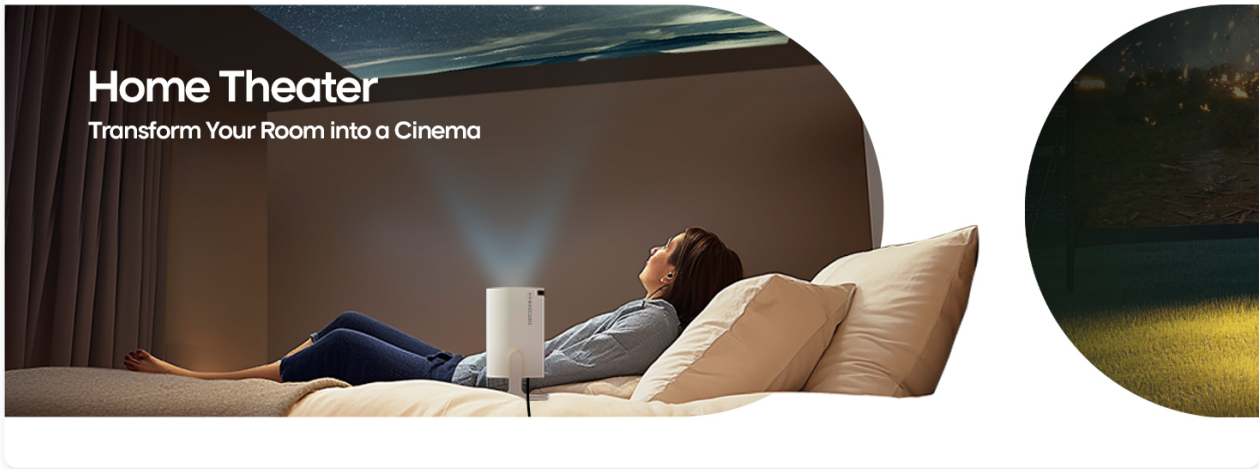


Figure 3.1: The built-in Android 11 interface, offering direct access to streaming apps.

3.3. Connecting to Wi-Fi and Bluetooth

Access the settings menu to connect to your Wi-Fi network for internet access and streaming. For audio, pair Bluetooth speakers or headphones via the Bluetooth settings. The projector supports Wi-Fi 6 and Bluetooth 5.4 for stable and fast connections.



Figure 3.2: Wired and wireless connectivity options for the projector.

3.4. Using HDMI/USB Inputs

The projector includes HDMI and USB ports for connecting external devices such as laptops, gaming consoles, USB drives, and TV sticks. Simply plug in your device, and the projector should automatically detect the input or allow you to select it from the input source menu.



Figure 3.3: Overview of the projector's versatile connectivity ports.

3.5. Screen Mirroring/Casting

Utilize the built-in casting features to mirror content from your iOS, Windows, or Android devices directly to the projector. This allows for easy sharing of photos, videos, and presentations.

3.6. App Usage

The Android 11 system provides access to a wide range of applications. For a smoother experience with certain apps like Netflix, it is recommended to switch to Air Mouse mode if available, as noted in the system interface.

4. KEY FEATURES

4.1. Portability

The HY300PRO is designed for ultimate portability, being significantly smaller and more compact than many competitors. Weighing only 1.43 pounds and with dimensions of 7.24 x 5.91 x 4.45 inches, it is easy to carry for travel, work, or outdoor use. It operates with an external power supply, contributing to its compact design and efficient cooling.

Watch in a completely dark room —————

Watch in a dark room or with curtains drawn —————

Recommended Optimum Viewing Distance —————

Small Space Big Vision

80"~130"

Figure 4.1: The projector's pocketed size for effortless portability.

4.2. Image Quality

Experience clear and vibrant visuals with native 720P resolution and support for 4K content. The projector delivers 200 ANSI lumens brightness and an 8000:1 contrast ratio, providing sufficient clarity for casual viewing in various indoor and outdoor settings.



Figure 4.2: Optical system highlighting sharp image and vibrant colors.

4.3. Projection Flexibility

The 180-degree rotating stand offers unparalleled flexibility, allowing you to project images onto walls, ceilings, or floors. Combined with auto vertical keystone correction and manual focus, achieving a perfectly aligned and sharp image is straightforward.

4.4. Optimal Viewing Distance and Size

The projector is capable of displaying images from 80 to 130 inches, making it suitable for various room sizes and viewing preferences. Optimal viewing distances are typically between 1.6m for an 80-inch screen and 2.6m for a 130-inch screen.



Figure 4.3: Recommended viewing distances for different screen sizes.

5. MAINTENANCE

5.1. Cleaning the Lens

Gently wipe the projector lens with a soft, lint-free cloth specifically designed for optical surfaces. Avoid using abrasive materials or harsh chemicals that could scratch the lens.

5.2. Keeping Vents Clear

Ensure that the ventilation openings on the projector are not blocked. Proper airflow is crucial for dissipating heat and maintaining optimal performance. Do not place the projector on soft surfaces that could obstruct the vents.

5.3. Software Updates

To ensure optimal performance and access to the latest features, regularly check for and install system updates. Navigate to the system settings on the Android 11 interface to check for available updates.

6. TROUBLESHOOTING

6.1. No Image or Blurry Image

- **Check Power:** Ensure the projector is properly connected to power and turned on.
- **Adjust Focus:** Use the manual focus ring to sharpen the image.

- **Keystone Correction:** Verify that auto vertical keystone correction is active or manually adjust it in settings.
- **Input Source:** Confirm the correct input source (HDMI, USB, or casting) is selected.

6.2. No Sound

- **Volume Level:** Increase the volume on the projector and any connected external audio devices.
- **Bluetooth Connection:** If using Bluetooth, ensure the speaker/headphones are properly paired and connected.
- **HDMI Audio:** If using HDMI, check the audio output settings on the connected device.

6.3. App Not Working / Freezing

- **System Update:** Ensure the projector's system software is updated to the latest version.
- **Restart App:** Close and reopen the problematic application.
- **Restart Projector:** Power cycle the projector.
- **Air Mouse Mode:** For certain streaming apps, try switching to Air Mouse mode for better compatibility.

If issues persist, please refer to the customer support section for assistance.

7. SPECIFICATIONS

Feature	Description
Model Number	HY300PRO
Display Resolution	Native 1280 x 720 (supports 4K)
Brightness	200 ANSI Lumens
Contrast Ratio	8000:1
Operating System	Android 11
Connectivity	Wi-Fi 6, Bluetooth 5.4, HDMI, USB
Special Features	180° Rotation, Auto Vertical Correction, Manual Focus, Portable
Item Weight	1.43 pounds
Package Dimensions	7.24 x 5.91 x 4.45 inches

8. WHAT'S IN THE BOX

Upon opening your Magcubic HY300PRO Mini Projector package, you will find the following items:

- Magcubic HY300PRO Mini Projector
- Power Adapter
- Remote Control
- User Manual

CUSTOMER SUPPORT & WARRANTY

Magcubic is committed to providing excellent customer service. We offer:

24/7 Service Professional

30-Day Return or Exchange

Lifetime Technical Support

For any inquiries or assistance, please do not hesitate to contact our customer support team.