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Salange HY300PRO-US

Salange HY300PRO Smart 4K Projector User Manual

Model: HY300PRO-US

1. Introduction

Welcome to the user manual for your Salange HY300PRO Smart 4K Projector. This guide provides essential information for setting up, operating, and maintaining your projector to ensure optimal performance and longevity. The HY300PRO is a compact and portable projector featuring Android 11.0 OS, 4K decoding, WiFi 6, Bluetooth 5.2, and automatic keystone correction, designed for versatile indoor and outdoor entertainment.

2. Safety Information

Please read all safety instructions carefully before using the projector. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- Do not expose the projector to rain or moisture.
- Do not open the projector casing. Refer all servicing to qualified personnel.
- Ensure proper ventilation to prevent overheating. Do not block ventilation openings.
- Use only the power adapter supplied with the projector.
- Avoid direct eye exposure to the projector lens when the lamp is on.
- Keep the projector away from heat sources and direct sunlight.
- Clean the lens and exterior with a soft, dry cloth. Avoid abrasive cleaners.

3. What's in the Box

Upon opening the package, please verify that all items listed below are included:

- HY300 PRO Projector
- Remote Control
- Power Cord
- User Manual (this document)

4. Product Overview

The Salange HY300PRO is designed for portability and ease of use. Its compact cylindrical form factor allows for flexible placement and projection.



Figure 4.1: Salange HY300PRO Smart 4K Projector. This image shows the projector in its white cylindrical design with the lens facing forward and the adjustable stand visible.

4.1. Compact Design

Weighing approximately 1.17 pounds (530g) and measuring 3.93 x 3.93 x 6.69 inches, the HY300PRO is highly portable, making it easy to carry for various uses.



Figure 4.2: Size comparison of the HY300PRO projector. The projector is shown next to a soda can, illustrating its small and portable dimensions.

4.2. Ports and Connections

The projector features multiple ports for versatile connectivity:

- **USB Ports:** For connecting USB flash drives, external hard drives, or charging devices.
- **HDMI Port:** For connecting external video sources such as gaming consoles (PS5, Xbox, Switch), TV boxes, or laptops.
- **3.5mm Audio Jack:** For connecting external speakers or headphones.
- **Power Input:** For connecting the power cord.



Figure 4.3: Rear view of the HY300PRO showing its various input/output ports. The image highlights the USB, HDMI, and audio jack connections.

5. Setup

5.1. Placement

Place the projector on a stable, flat surface. The HY300PRO features a 270° adjustable stand, allowing you to project onto walls, ceilings, or any desired surface. Its short-throw projection capability means you can achieve a large image even from a short distance.

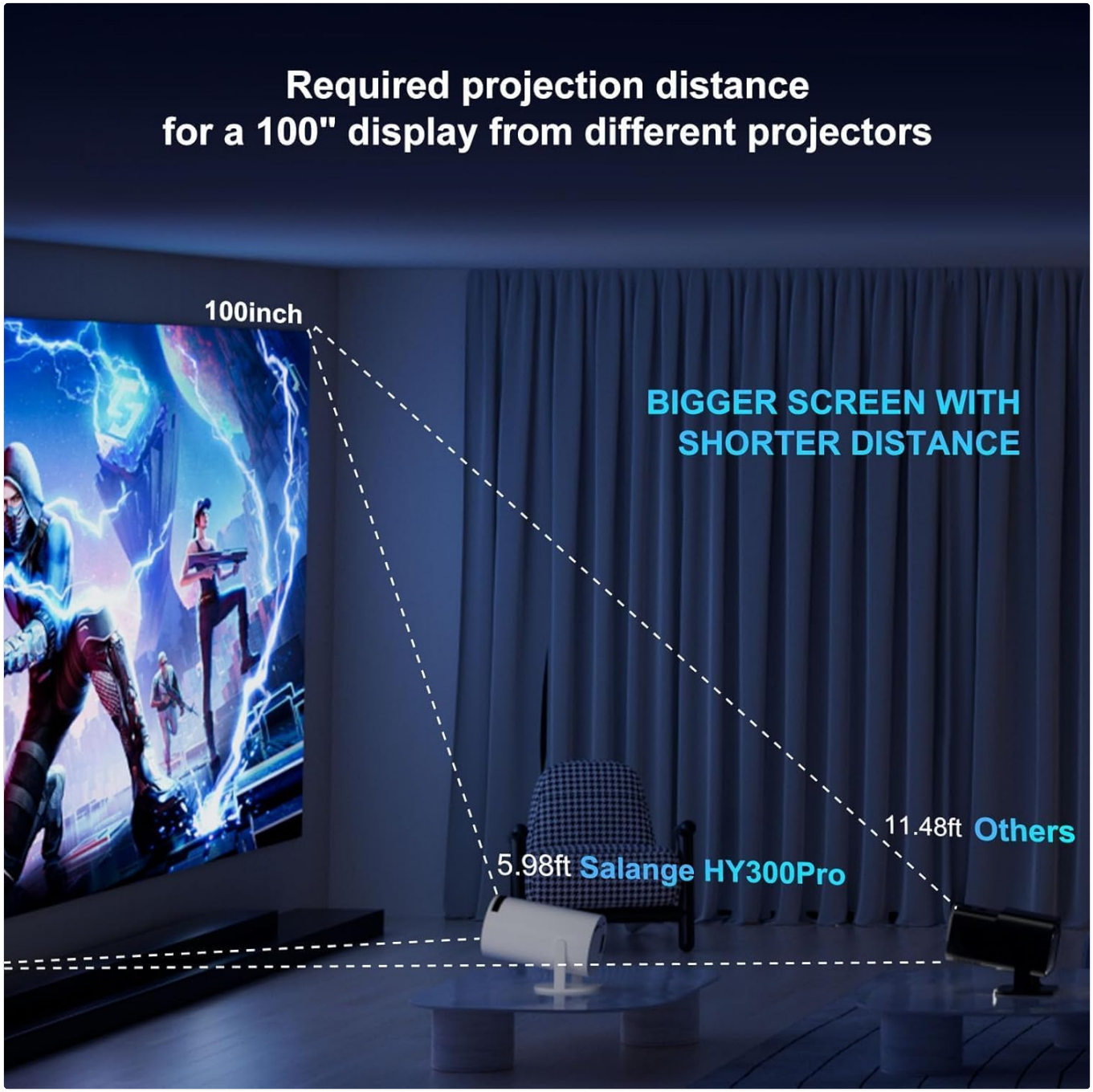


Figure 5.1: Short throw projection capability. This diagram illustrates how the Salange HY300PRO can project a 100-inch image from a closer distance (5.98 ft) compared to other projectors (11.48 ft).

5.2. Power Connection

Connect the supplied power cord to the projector's power input and then to a power outlet.

5.3. Initial Boot and Auto Keystone Correction

Once powered on, the projector will automatically perform keystone correction to adjust the image to a rectangular shape, even if the projector is placed at an angle. This feature simplifies setup significantly.



Figure 5.2: Automatic Keystone Correction in action. The image shows a projected image being automatically corrected from a trapezoidal shape to a perfect rectangle.

6. Operating the Projector

The Salange HY300PRO runs on Android 11.0 OS, providing a smart interface with access to numerous applications.

6.1. Android 11.0 OS and Built-in Apps

The projector comes with the Google Play Store pre-installed, offering access to over 8,000 applications. This allows you to stream content directly from the projector without needing external devices for many services.



Figure 6.1: The Android 11.0 interface on the HY300PRO. This image displays the projector's home screen with icons for popular streaming services and apps like Netflix, YouTube, and Prime Video.

6.2. Navigation and Remote Control

Use the included remote control to navigate the Android interface. The remote allows you to select apps, adjust settings, and control media playback. Familiarize yourself with the remote's buttons for power, volume, navigation, and home.

6.3. Official Product Video: Mini Projector HY300

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Video 6.1: An official product video titled "Mini Projetor HY300" from the seller, demonstrating the projector's features and operation. This video provides a visual guide to the projector's capabilities.

7. Connectivity

7.1. Wi-Fi 6 (5G/2.4G Dual-Band)

The projector supports Wi-Fi 6 for faster and smoother wireless connectivity, reducing loading delays when streaming content or mirroring devices.

7.2. Bluetooth 5.2

With built-in Bluetooth 5.2, you can wirelessly pair the projector with external audio devices such as soundbars, speakers, or headphones for an enhanced audio experience.

7.3. Screen Mirroring

The HY300PRO supports wireless screen mirroring from iOS, Android, and Windows 10+ devices via Wi-Fi. This allows you to project content directly from your smartphone, tablet, or laptop.
Important Note:
Due to HDCP (High-bandwidth Digital Content Protection) protocols, the projector does not support direct streaming or mirroring of copyrighted content from services like Netflix, Hulu, or Prime Video when using screen mirroring. To watch content from these platforms, please use the built-in applications directly on the projector or connect an external device (like a TV stick or laptop) via the HDMI port.

7.4. HDMI and USB Connections

For wired connections, use the HDMI port to connect gaming consoles, Blu-ray players, or other media devices. The USB ports can be used for playing media files directly from a USB drive or for connecting other USB accessories.

8. Image Adjustment

8.1. Auto Keystone Correction

The projector automatically corrects image distortion caused by angled projection, ensuring a perfectly rectangular image. This feature significantly simplifies setup and adjustment.

8.2. Digital Zoom

You can adjust the image size using the digital zoom function, which allows you to scale the projected image from 100% down to 50% without moving the projector.

9. Maintenance

Regular maintenance helps ensure the longevity and optimal performance of your projector.

- **Cleaning the Lens:** Use a soft, lint-free cloth specifically designed for optical lenses. Do not use abrasive materials or harsh chemicals.
- **Cleaning the Exterior:** Wipe the projector's exterior with a soft, dry cloth. For stubborn marks, a slightly damp cloth can be used, followed by a dry wipe.
- **Ventilation:** Ensure the ventilation vents are clear of dust and obstructions. Periodically clean them with a soft brush or compressed air.
- **Storage:** When not in use for extended periods, store the projector in a cool, dry place, protected from dust and extreme temperatures.

10. Troubleshooting

If you encounter issues with your Salange HY300PRO projector, refer to the common problems and solutions below:

Problem	Possible Cause / Solution
No image projected / Power issue	Ensure the power cord is securely connected to both the projector and the power outlet. Check if the power outlet is functional. Press the power button on the projector or remote control.
Blurred image / Out of focus	Adjust the manual focus ring on the projector lens until the image is clear. Ensure the projection surface is flat and smooth.
Image is trapezoidal / Not rectangular	The projector has automatic keystone correction. If it's not correcting properly, try restarting the projector or manually adjusting the keystone in the settings menu if available.
No sound or low volume	Increase the volume using the remote control. If using external speakers, ensure they are properly connected and powered on. Check audio output settings in the projector's menu.
Screen mirroring not working	Ensure both the projector and your device are connected to the same Wi-Fi network. Verify that your device's screen mirroring function is enabled and searching for devices. Remember that copyrighted content from certain streaming apps (Netflix, Hulu, Prime Video) cannot be mirrored due to HDCP protocols. Use the built-in apps or HDMI connection for such content. Restart both the projector and the mirroring device.
Fan noise is noticeable	Some fan noise is normal for projectors to dissipate heat. Ensure the projector has adequate ventilation and is not placed in an enclosed space. Clean any dust from the ventilation openings.

11. Specifications

Detailed technical specifications for the Salange HY300PRO projector:

Feature	Detail
Brand	Salange
Model Number	HY300PRO-US
Item Weight	1.17 pounds (approx. 530g)
Product Dimensions	3.93 x 3.93 x 6.69 inches
Color	White

Feature	Detail
Operating System	Android 11.0
Display Resolution	1920 x 1080 (1080P Full HD adaptive, 4K decoding support)
Connectivity Technology	Bluetooth 5.2, Wi-Fi 6 (5G/2.4G Dual-Band), USB, 3.5mm Jack, HDMI
Special Features	Built-In Speaker, Portable, Digital Keystone Correction, Built-In Wi-Fi, Short Throw, 270° Adjustable Stand
Recommended Uses	Indoor/Outdoor

12. Warranty and Support

Salange is committed to providing excellent customer service and support for your HY300PRO projector.

- **Lifetime Technical Support:** Salange offers lifetime technical support for your product.
- **30-Day Hassle-Free Returns:** Enjoy peace of mind with a 30-day return policy.
- **24-Hour Customer Support:** For any inquiries or assistance, please contact Salange customer support via email at SalangeTech@outlook.com.

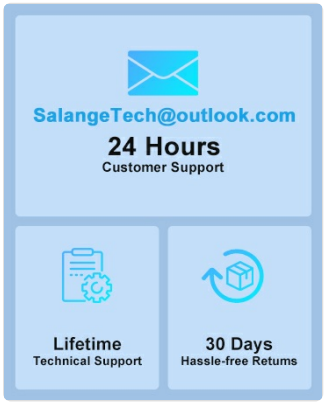


Figure 12.1: Salange customer support and warranty information. This image visually represents the available support services.

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