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› CACACOL HY350 Home Projector User Manual

CACACOL HY350

CACACOL HY350 Home Projector User Manual

Model: HY350

1. INTRODUCTION

This user manual provides comprehensive instructions for the safe and efficient operation of your CACACOL HY350 Home Projector. Please read this manual thoroughly before using the projector and retain it for future reference.

Product Overview

The CACACOL HY350 is a versatile home projector designed to deliver a high-quality viewing experience. Featuring native 1080p resolution with 4K hardware decoding support, 800 ANSI lumens brightness, and an Allwinner H713 Quad-Core processor, it offers clear, bright, and vivid images. It includes a built-in Hi-Fi speaker and runs on Android TV OS for smart functionality.



Figure 1.1: Front view of the CACACOL HY350 Home Projector, showcasing its lens and ventilation grilles.

2. SAFETY INFORMATION

To ensure safe operation and prevent damage, please observe the following safety precautions:

- **Power Supply:** Use only the provided power adapter. Ensure the voltage matches the projector's requirements.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the projector to prevent overheating.
- **Liquid Exposure:** Keep the projector away from water or other liquids. Do not operate in damp environments.
- **Cleaning:** Unplug the projector before cleaning. Use a soft, dry cloth. Do not use liquid or aerosol cleaners.
- **Eye Safety:** Do not look directly into the projector lens when the lamp is on. The bright light can cause eye damage.
- **Placement:** Place the projector on a stable, level surface. Avoid placing it in direct sunlight or near heat sources.
- **Servicing:** Do not attempt to repair the projector yourself. Refer all servicing to qualified personnel.

3. WHAT'S IN THE BOX

Upon unboxing your CACACOL HY350 Home Projector, please verify that all the following items are included:

- CACACOL HY350 Home Projector
- Remote Control
- Power Adapter
- User Manual (this document)

4. PRODUCT FEATURES

The CACACOL HY350 Home Projector is equipped with advanced features for an enhanced viewing experience:

- **Native 1080p & 4K Support:** Delivers crisp Full HD images and supports 4K video input for superior clarity.
- **High Brightness:** Up to 800 ANSI lumens for bright and vivid projections, even in moderately lit rooms.
- **Electric Focus & Auto Keystone Correction:** Effortlessly achieve a clear and perfectly rectangular image with one-button electric focus and automatic keystone correction.
- **Android TV 11.0 OS:** Built-in smart operating system with access to various apps and streaming services.
- **Integrated Hi-Fi Speaker:** Provides 360° stereo surround sound for an immersive audio experience.
- **Dustproof Design:** Upgraded fully sealed optical engine effectively prevents dust ingress, ensuring longevity.
- **Quiet Operation:** Silent cooling system operates at ≤ 35 dB for minimal noise disturbance.
- **Connectivity:** Multiple ports including HDMI, USB, and audio interface, plus Wi-Fi and Bluetooth for versatile connections.

Stunning 1080P Resolution

Brilliant FHD resolution and supported 4K resolution enhance all you love to watch on a beautiful 160" screen!



Figure 4.1: The projector's capability to display stunning 1080P resolution with support for 4K input, enhancing visual clarity.

LED Light, Longer Usage Time

The projector uses a high-quality LED light source with strict quality control, and the life of the light source is longer than that of traditional bulb projectors.



Figure 4.2: Illustration of the projector's high-quality LED light source, offering over 30,000 hours of usage time and 350 ANSI lumens brightness.

Quad-core ARM Cortex-A53

Mali-G31 Supports OpenGL ES3.2, Vulkan 1.1, and OpenCL2.0



Figure 4.3: Diagram highlighting the Allwinner H713 Quad-core ARM Cortex-A53 processor, supporting advanced graphics APIs.

≤35dB Silent Cooling System

Lower than 35dB, the composite heat dissipation design of the internal turbine+external axial flow of the optical machine is adopted to ensure the heat dissipation while taking into account the quietness.

LOW NOISE

≤35dB



Note: 35dB is tested by lab, it will be different according to test environment and condition.

Figure 4.4: The projector's silent cooling system, designed to operate at less than 35dB, ensuring a quiet viewing environment.

5. SETUP GUIDE

5.1 Initial Placement

Choose a flat, stable surface for the projector. Ensure there is sufficient space around the unit for proper ventilation. The projection distance will determine the screen size.

Custom Screen Size

Freedom to project at the size that is right for you

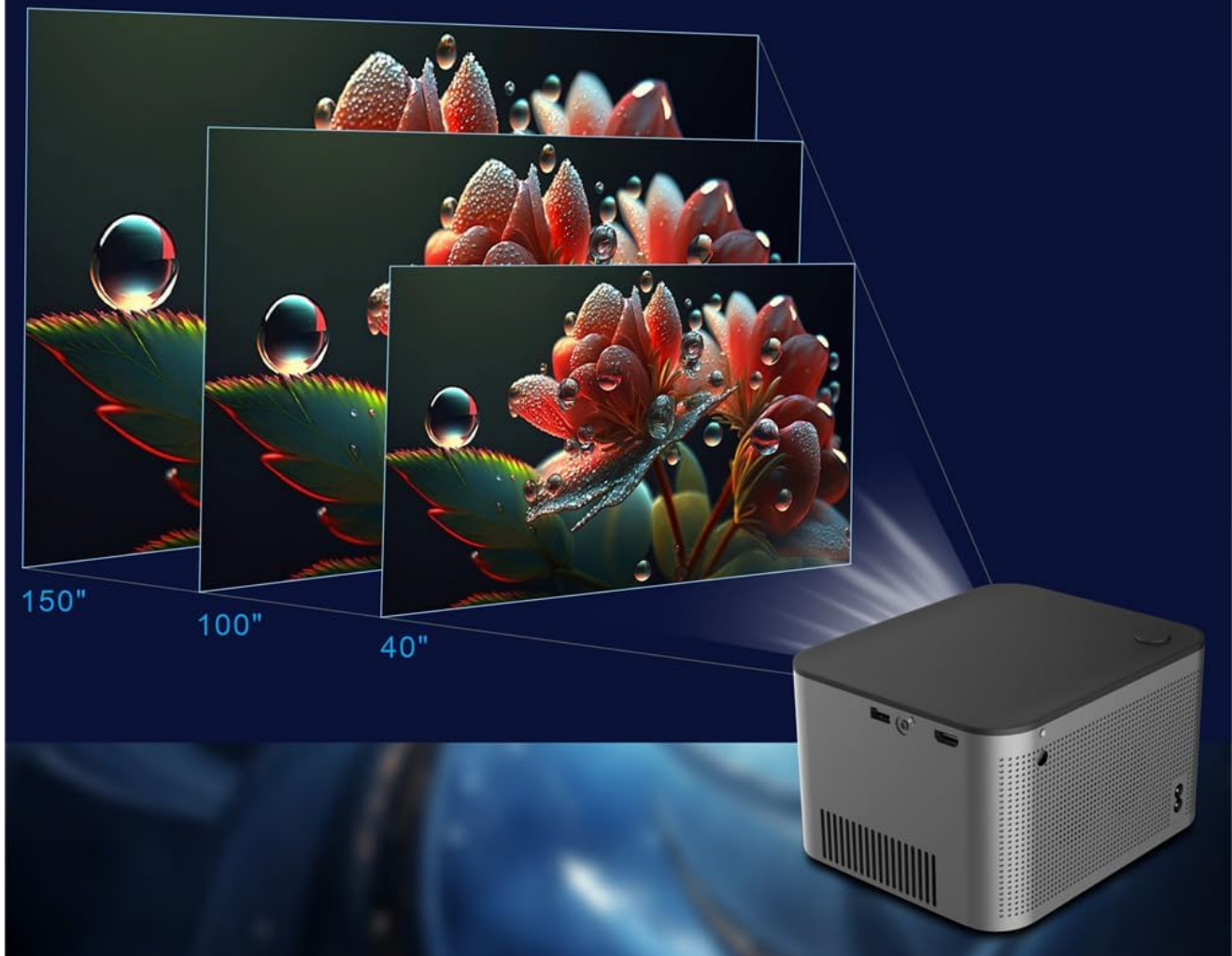


Figure 5.1: The flexibility to project various screen sizes (e.g., 40", 100", 150") by adjusting the distance from the projection surface.

5.2 Power Connection

1. Connect the power adapter to the projector's power input port.
2. Plug the power adapter into a wall outlet.
3. Press the power button on the projector or remote control to turn it on.

5.3 Focus and Keystone Correction

The HY350 features electric focus and automatic keystone correction for a perfect image.

- **Electric Focus:** Use the remote control to adjust the focus until the image is sharp and clear.
- **Auto Keystone Correction:** The projector will automatically adjust the image to be rectangular. If further adjustment is needed, manual 4P correction is available in the settings.

Electronic Focus

Electronic Focus Lens and free watching 4K screen.



Figure 5.2: The remote control used to activate and adjust the electronic focus feature for a sharp image.

Easy Setup, Comfortable Viewing

The integrated automatic keystone correction ensures you have the ideal display effortlessly!



Figure 5.3: The projector's integrated automatic keystone correction, ensuring a perfectly rectangular display even when placed at an angle.

5.4 Connectivity

Connect your devices using the available ports or wireless options:

- **HDMI:** Connect Blu-ray players, game consoles, or laptops.
- **USB:** Play media from USB drives.
- **Wi-Fi:** Connect to your home network for online streaming and app access.
- **Bluetooth:** Pair with external Bluetooth speakers or headphones for enhanced audio.

6. OPERATING INSTRUCTIONS

6.1 Navigating Android TV OS

The HY350 runs on Android TV OS, providing a smart interface for content access.

- Use the remote control's directional pad to navigate menus.
- Press the "OK" button to select items.
- Access the Google Play Store to download additional apps.



Figure 6.1: The compact and portable design of the projector, easily held in one hand, making it convenient for transport and setup in various locations.

6.2 Adjusting Settings

Access the settings menu to customize your viewing experience:

- **Picture Settings:** Adjust brightness, contrast, color, and aspect ratio.
- **Sound Settings:** Control volume and audio output options.
- **Network Settings:** Configure Wi-Fi and Ethernet connections.
- **System Settings:** Manage language, date/time, and software updates.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your projector.

7.1 Cleaning the Lens

Use a professional lens cleaning cloth or air blower to gently remove dust and smudges. Avoid touching the lens directly with your fingers.

7.2 Cleaning the Projector Body

Wipe the exterior with a soft, dry, lint-free cloth. Do not use abrasive cleaners, waxes, or solvents.

7.3 Ventilation

Ensure the projector's ventilation ports are clear of obstructions. Proper airflow is crucial to prevent overheating and maintain performance.

7.4 Storage

When not in use for extended periods, store the projector in a cool, dry place, protected from dust and extreme temperatures.

8. TROUBLESHOOTING

If you encounter issues with your CACACOL HY350 projector, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image on screen	Power cable disconnected; Incorrect input source; Lens cap on.	Check power connection; Select correct input (HDMI, USB); Remove lens cap.
Blurry image	Out of focus; Incorrect keystone correction.	Adjust electric focus using remote; Perform auto or manual keystone correction.
No sound	Volume too low; Muted; External audio device not connected properly.	Increase volume; Unmute; Check audio cable connections or Bluetooth pairing.
Remote control not working	Dead batteries; Obstruction between remote and projector.	Replace batteries; Ensure clear line of sight to the projector's IR receiver.
Overheating warning	Blocked ventilation; Prolonged use in hot environment.	Ensure vents are clear; Turn off and allow to cool; Operate in a well-ventilated area.

9. SPECIFICATIONS

Detailed technical specifications for the CACACOL HY350 Home Projector:

Feature	Detail
Brand	CACACOL
Model Number	HY350
Display Resolution	Native 1920 x 1080 (Supports 4K)
Brightness	800 ANSI Lumen
Contrast Ratio	20000:1
Light Source Life	Over 50,000 hours
Operating System	Android TV 11.0
Processor	Allwinner H713 Quad-Core Cortex-A53
GPU	Mali-G31 (Supports OpenGL ES 3.2, Vulkan 1.1, OpenCL 2.0)
Connectivity	Bluetooth, Wi-Fi, USB, HDMI
Special Features	Built-In Speaker, Electric Focus, Auto Keystone Correction
Item Weight	2.9 pounds
Product Dimensions	7.52 x 6.3 x 4.69 inches
Visible Screen Diagonal	30" / 77 cm (minimum)

10. WARRANTY AND SUPPORT

10.1 Warranty Information

CACACOL products are covered by a limited warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product packaging or visit the official CACACOL website. Keep your purchase receipt as proof of purchase for warranty claims.

10.2 Customer Support

If you require technical assistance, have questions about your product, or need to report an issue, please contact CACACOL customer support. Contact details can typically be found on the official CACACOL website or within your product packaging. Please have your model number (HY350) and purchase information ready when contacting support.
For more information, visit the [CACACOL Store on Amazon](#).

