

CACACOL S7-ULTRA-MAX

CACACOL S7 Ultra Max 4K Projector User Manual

Model: S7-ULTRA-MAX | Brand: CACACOL

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your CACACOL S7 Ultra Max 4K Projector. Please read it thoroughly before using the product and retain it for future reference.



Figure 1: CACACOL S7 Ultra Max 4K Projector

2. WHAT'S IN THE BOX

Verify that all items are present in the package:

- CACACOL S7 Ultra Max 4K Projector
- Power Adapter
- Remote Control
- User Manual (this document)

3. SETUP

3.1 Physical Placement

Place the projector on a stable, flat surface. Ensure adequate ventilation around the device. The 0.8~1.6:1 throw ratio allows for flexible placement to achieve screen sizes from 100 to 300 inches.

3.2 Power Connection

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

3.3 Initial Configuration

Upon first startup, the projector will guide you through the initial setup process, including network connection and basic settings. The projector features auto focus, auto obstacle avoidance, and auto screen alignment for a quick and optimized display.

- **Auto Focus:** The projector automatically adjusts the image clarity.
- **Auto Obstacle Avoidance:** The projection area will automatically adjust to avoid objects on the wall.
- **Auto Screen Alignment:** The image will automatically fit the screen or wall boundaries.

For enhanced smart TV functionality, pair with a KD3 Google TV Stick (sold separately) and connect it via an HDMI input.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

- **Power On/Off:** Press the power button on the projector or remote control.
- **Navigation:** Use the directional buttons on the remote to navigate the on-screen menus.
- **Volume Control:** Use the volume buttons on the remote control.

4.2 Connectivity

The projector supports various input and wireless connectivity options:

- **HDMI:** Connect external devices such as gaming consoles, Blu-ray players, or set-top boxes. HDMI 2.1 eARC supports 7.1.4-channel surround audio output.
- **USB:** Connect USB storage devices for media playback.

- **Wi-Fi 6:** Connect to your wireless network for streaming and online features.
- **Bluetooth 5.2:** Connect wireless audio devices or use the projector as a Bluetooth speaker.
- **Screencasting:** Supports AirPlay, Android Cast, Huawei Cast+, and Miracast for wireless content sharing from compatible devices.

4.3 Smart Features

The built-in Android Chinese AI OS 6.0, powered by the MediaTek MT9681 Quad A73 processor with 8GB RAM and 128GB storage, provides access to various applications and streaming services. When paired with a KD3 Google TV Stick, you gain access to Google & Netflix Licensed Android TV OS Global Version, allowing instant access to services like Netflix, Disney+, YouTube 4K, Hulu, and Prime Video.

4.4 Gaming

Experience responsive gaming with low input lag, making it suitable for fast-paced games.

5. KEY FEATURES

5.1 ELRS Optical Engine & RGB Laser

The S7 Ultra Max utilizes a custom ELRS Optical Engine and RGB Laser light source, delivering 5800 CVIA lumens of brightness. With 48 industrial-grade laser chips and advanced fusion technology, it produces clear, high-contrast, and vibrant images across DCI-P3 and 110% BT.2020 color spaces.



Figure 2: High brightness and powerful processor

5.2 Cinema-Grade Image Quality

Enjoy native 4K UHD resolution powered by a 0.47" DMD chip, with $\Delta E < 0.8$ color accuracy. Support for Dolby Vision, HDR10+, HLG, and HDR Vivid ensures deep blacks, bright highlights, and a cinematic viewing experience. It boasts a native 8000:1 contrast ratio and up to 65,000:1~150,000:1 dynamic contrast.

对比度 一步到顶*
再次刷新行业最高原生对比度*
5倍于同价位其它投影*

原生对比度
8000:1

画质 一步到顶*
没有杜比 怎敢称旗舰
感受过杜比视界就再也回不去了

Dolby Vision

色准 一步到顶*
几乎**0**色差
Display P3&DCI-P3&BT.2020
100%色域覆盖*
 $\Delta E \approx 0.8^*$
出厂逐台校准

金圈镜头 一步到顶*
1.6倍超级光学变焦*
航空级复合纤维镜筒

120" **80"**

0.98~1.6:1 **131LP/mm**
光学变焦 影院级镜头解析力 光学变焦 定焦



Figure 3: High contrast and optical zoom capabilities

5.3 Adaptive Optics with Pro-Level Lens

The projector features a three-stage variable aperture (f/2.2–f/6) that boosts contrast by 150%. The 0.98–1.6:1 optical zoom allows for flexible 100–300 inch projection without image degradation. It also includes auto focus, obstacle avoidance, screen alignment, and human-eye protection sensors.

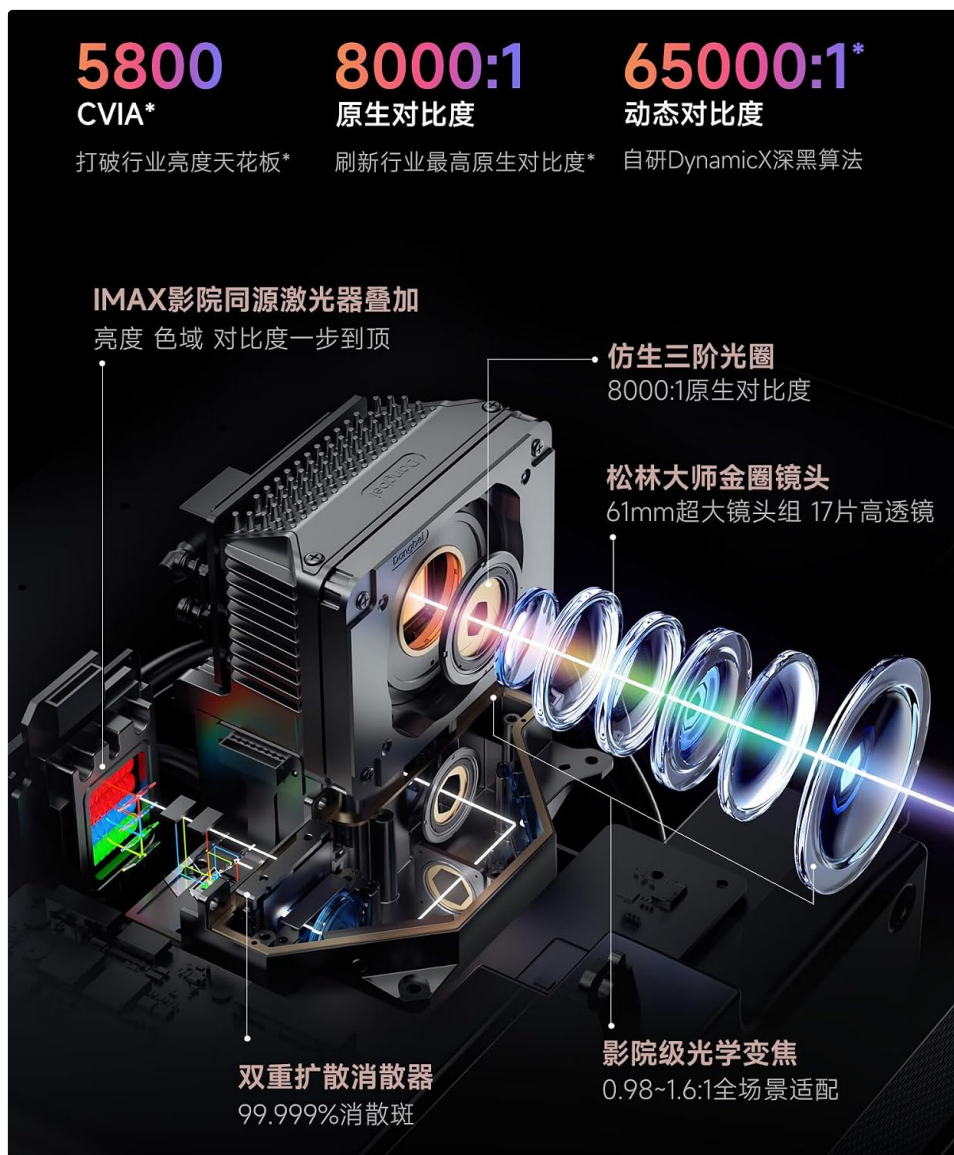


Figure 4: Advanced optical engine and laser components

5.4 Immersive Audio Experience

Dual 12W subwoofers, tuned with Dolby Digital+ and DTS:X support, deliver rich, room-filling sound. The HDMI 2.1 eARC output supports 7.1.4-channel surround audio for integration with external home theater systems. Wi-Fi 6 and Bluetooth 5.2 ensure seamless audio connectivity.

5.5 Android AI-Driven System

Powered by the MediaTek MT9681 Quad A73 processor, with 8GB RAM and 128GB storage, the projector runs on a built-in Android Chinese AI OS 6.0. It supports various casting protocols like AirPlay, Android Cast, Huawei Cast+, and Miracast.

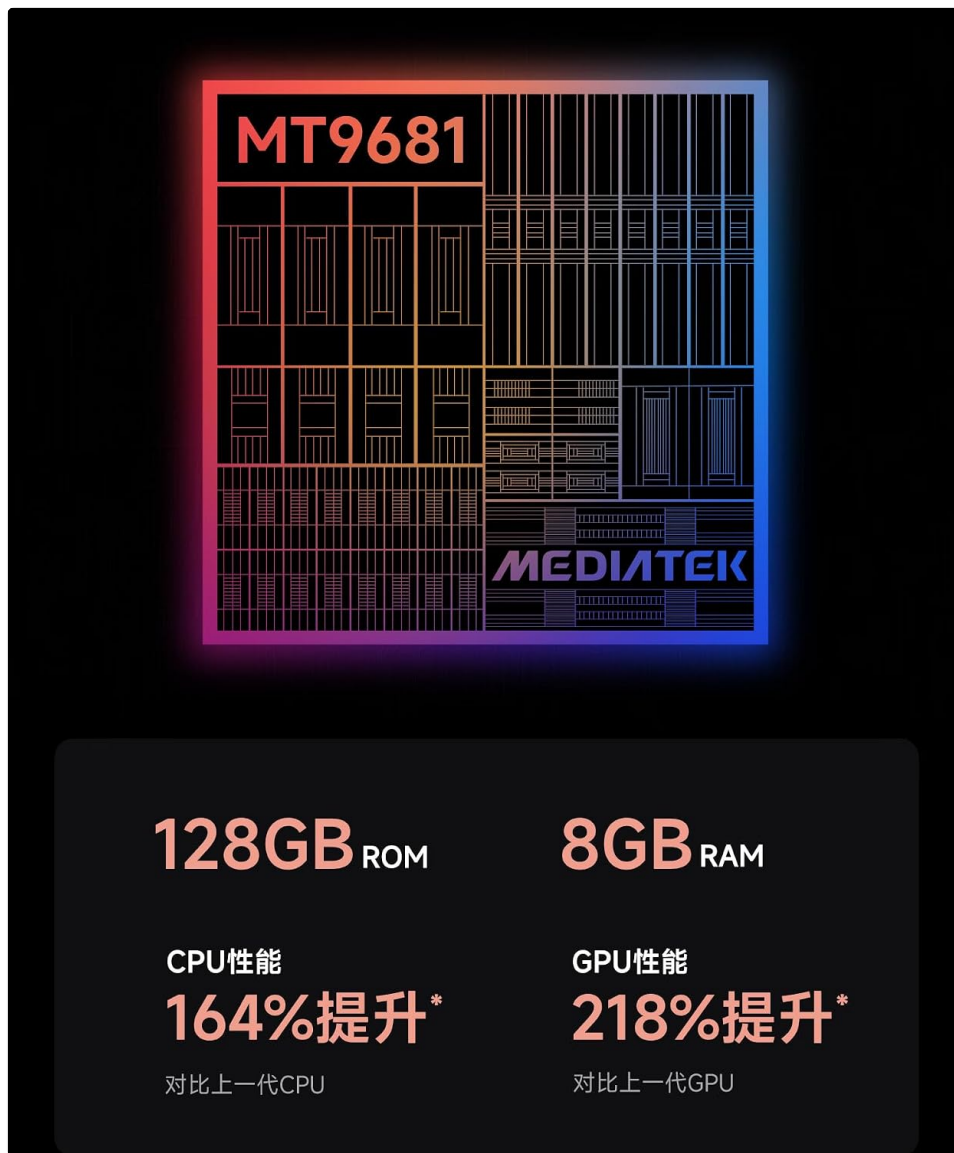


Figure 5: Processor and memory details

6. MAINTENANCE

6.1 Cleaning

- **Lens:** Use a soft, lint-free cloth specifically designed for optical lenses. Do not use abrasive cleaners or solvents.
- **Exterior:** Wipe the projector's exterior with a soft, dry cloth. Avoid using liquid cleaners directly on the device.
- **Ventilation:** Ensure the ventilation openings are clear of dust and debris to prevent overheating.

6.2 Storage

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

7. TROUBLESHOOTING

- **No Power:** Ensure the power adapter is securely connected to both the projector and the power outlet.
- **No Image:** Check the input source selection. Verify that the connected device is powered on and sending a signal.
- **Blurred Image:** Use the auto focus feature or manually adjust the focus via the settings menu.
- **Image Distorted:** Utilize the auto keystone correction or manual keystone settings to adjust the image shape.
- **Overheating:** Ensure proper ventilation and clear any obstructions from the air vents.

8. SPECIFICATIONS

Feature	Specification
Brand	CACACOL
Model Number	S7-ULTRA-MAX
Item Weight	18.04 pounds
Product Dimensions	13.23 x 7.95 x 11.3 inches
Display Resolution	3840 x 2160 (4K UHD)
Brightness	5800 CVIA Lumens
Contrast Ratio	Native 8000:1 , Dynamic up to 150,000:1
Throw Ratio	0.8~1.6:1
Optical Zoom	100~300 inches
Processor	MediaTek MT9681 Quad A73
RAM	8GB
Storage	128GB
Operating System	Android Chinese AI OS 6.0
Connectivity Technology	HDMI, USB, Wi-Fi 6, Bluetooth 5.2
Special Features	Auto Focus, Auto Obstacle Avoidance, Auto Screen Alignment, Built-In Speaker, Digital Keystone Correction, Dolby Vision, HDR10+, HLG, HDR Vivid, DTS:X, HDMI 2.1 eARC

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your product or visit the official CACACOL website. Keep your proof of purchase for warranty claims.

© 2024 CACACOL. All rights reserved.

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