CAIWEI A10Q

CAIWEI A10Q Smart Projector User Manual

Model: A10Q

1. PRODUCT OVERVIEW

The CAIWEI A10Q Smart Projector is an advanced home theater device designed for high-quality visual and audio experiences. It features 4K decoding, 2300 ANSI lumens brightness, automatic focus and keystone correction, and an integrated Android TV operating system with WiFi 6 and Bluetooth 5.2 connectivity.

Image 1.1: CAIWEI A10Q Smart Projector showcasing its main features including 4K support, auto focus, WiFi 6, Bluetooth 5.2, and streaming app compatibility.

Key Features:

- **Display Technology:** 5.7" LCD screen with 7-layer high transmittance lens.

- **Resolution:** Native 1920x1080P, supports 4K decoding.

- **Brightness:** 2300 ANSI Lumens.

- **Contrast Ratio:** 23000:1.

- **Color Gamut:** DCI P3 wide color gamut & HDR 10+.

- **Smart Features:** Android TV OS with 8000+ authorized apps (Netflix, YouTube, Prime Video, Disney+, etc.).

- **Connectivity:** Dual 2.4G/5G WiFi 6, Bluetooth 5.2, NFC, 2x HDMI, 2x USB, AV, Ethernet (RJ45).

- **Correction:** Automatic focus, automatic 6D keystone correction, intelligent obstacle avoidance, intelligent screen alignment.

- **Audio:** Built-in 38W HiFi speakers with DSP audio enhancement chip, two-way Bluetooth for standalone speaker function.

- **Durability:** Fully sealed optical engine with HEPA air filtration system, hydraulic fast-flow cooling

system, 100,000-hour LED lamp life.

2. SETUP GUIDE

2.1 Unpacking and Initial Inspection

Carefully remove all components from the packaging. Verify that all items listed in the 'What's in the Box' section are present and undamaged. If any items are missing or damaged, contact customer support.

- Auto Focus Projector *1
- Power Cord *1
- HDMI Cable *1
- Remote Control *1 (Batteries not included)
- User Manual *1

2.2 Placement

Position the projector on a stable, flat surface. Ensure adequate ventilation around the device. The projector can be placed on a table, tripod, or ceiling-mounted (M4 size ceiling mount compatible). For optimal viewing, ensure the projection surface is flat and clear of obstructions.
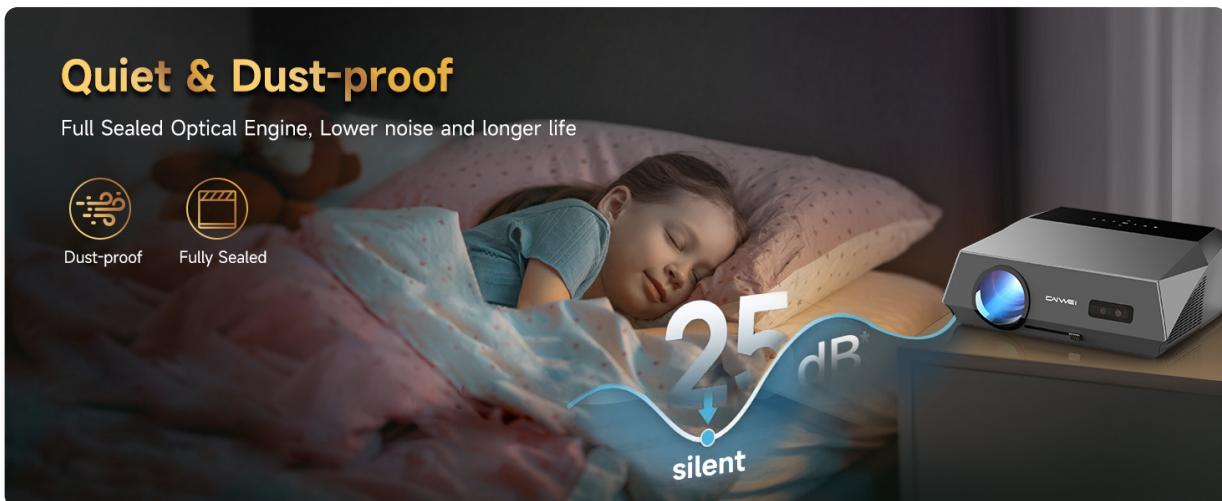
Image 2.1: Flexible installation options for the CAIWEI A10Q projector.

2.3 Power Connection

1. Connect the power cord to the projector's power input port.
2. Plug the other end of the power cord into a suitable electrical outlet.
3. Press the power button on the projector or remote control to turn it on.

2.4 Automatic Adjustments (Focus & Keystone)

The projector features automatic focus and keystone correction. Upon startup or movement, the built-in displacement sensor will detect changes and automatically adjust the image for a clear, rectangular picture within approximately 5 seconds. This includes intelligent obstacle avoidance and screen alignment.

Image 2.2: Automatic image adjustment features.

Manual adjustments are also available via the remote control for 4D keystone, quick H/V keystone correction, and 50% image zoom.

2.5 Network Connection (WiFi 6)

1. Navigate to the 'Settings' menu on the projector's interface.

2. Select 'Network' or 'WiFi'.

3. Choose your desired 2.4G or 5G WiFi network from the list.

4. Enter the password if prompted and connect.

2.6 Bluetooth Pairing

1. Go to 'Settings' and select 'Bluetooth'.

2. Ensure Bluetooth is enabled on both the projector and the device you wish to pair (e.g., external speaker, headphones).

3. Select your device from the list of available devices on the projector screen to pair.

3. OPERATING INSTRUCTIONS

3.1 Navigating the Android TV OS

The projector runs on Android TV OS, providing access to a wide range of applications. Use the remote control's directional buttons and 'OK' button to navigate through menus and select apps. The 'Back' button returns to the previous screen, and the 'Home' button returns to the main interface.
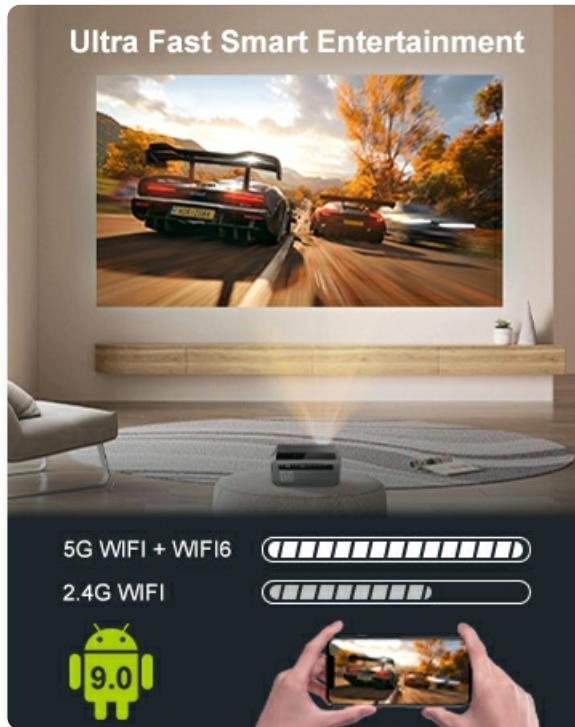
Image 3.1: Android TV OS interface with streaming apps.

3.2 Using Streaming Applications

Once connected to WiFi, you can access pre-installed streaming apps like Netflix, YouTube, Prime Video, and Disney+. Log in with your account credentials to start watching content.

3.3 NFC Casting/Mirroring

The projector supports NFC for quick screen mirroring. To use this feature:

1. Ensure your mobile phone has NFC enabled.
2. Touch your NFC-enabled phone to the designated NFC area on the remote control.
3. Your phone's screen will be projected onto the big screen instantly.

This feature also allows your phone to act as a remote control if the physical remote is misplaced.
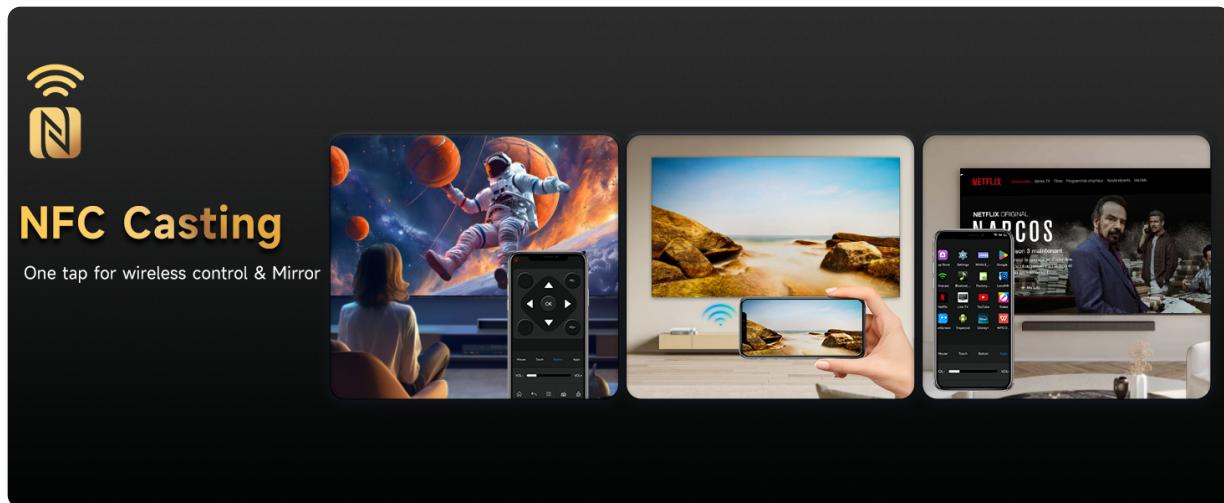
Image 3.2: NFC casting in action.

3.4 Connecting External Devices (HDMI, USB)

The projector includes multiple ports for connecting external devices:

- **HDMI:** Connect gaming consoles, Blu-ray players, laptops, or other HDMI-enabled devices using an HDMI cable. Select the corresponding HDMI input source from the projector's menu.
- **USB:** Insert USB drives to play media files (photos, videos, music) directly from the drive.
- **AV:** Connect older devices using an AV cable.
- **Ethernet (RJ45):** For a stable wired internet connection.

Image 3.3: Multiple device connection options.

3.5 Using as a Bluetooth Speaker

The projector can function as a standalone Bluetooth speaker. Pair your smartphone or other audio device

with the projector via Bluetooth to play music through its built-in 38W HiFi speakers.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your CAIWEI A10Q projector.

4.1 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.

4.2 Cleaning the Exterior

Wipe the exterior of the projector with a soft, dry cloth. For stubborn marks, a slightly damp cloth can be used, followed by a dry cloth. Do not allow liquids to enter the projector's vents or ports.

4.3 Dust Prevention

The CAIWEI A10Q features a fully sealed optical engine with a HEPA air filtration system, which significantly reduces dust accumulation inside the projector. Regularly ensure the projector is placed in a clean environment to further minimize dust exposure.

4.4 Cooling System

The hydraulic fast-flow cooling system helps maintain stable temperatures. Ensure that the projector's vents are not blocked to allow for proper airflow. Avoid operating the projector in excessively hot or confined spaces.

5. TROUBLESHOOTING

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

- **No Power:**
  - 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.

- **No Image:**
  - Verify that the projector is powered on.
  - Check the input source selection (HDMI 1, HDMI 2, AV, etc.) matches the connected device.
  - Ensure the connected device is powered on and outputting a signal.
  - Check the cable connections (HDMI, AV) for looseness or damage.

- **Blurry Image:**
  - Allow the automatic focus to complete its adjustment.
  - If needed, manually adjust focus using the remote control.
  - Ensure the projection surface is flat and the projector is stable.

- **Distorted Image (Trapezoid Shape):**

- Allow the automatic keystone correction to complete.
- Manually adjust keystone correction via the projector's settings or remote control.
- Ensure the projector is positioned directly in front of the screen if possible.

- **No Sound:**

  - Check the volume level on both the projector and the connected source device.
  - Ensure external speakers are properly connected and powered on if used.
  - Verify Bluetooth connection if using Bluetooth audio devices.

- **WiFi Connection Issues:**

  - Ensure your WiFi router is working correctly.
  - Re-enter the WiFi password to confirm it is correct.
  - Move the projector closer to the WiFi router to improve signal strength.
  - Try restarting both the projector and the router.

If the problem persists after trying these steps, please contact customer support.

6. SPECIFICATIONS

Feature	Specification
Brand	CAIWEI
Model	A10Q
Item Weight	5.82 pounds
Product Dimensions	12.4 x 9.84 x 5.19 inches
Display Resolution	1920 x 1080 (Native)
Brightness	2300 ANSI Lumens
Connectivity Technology	WiFi 6 (2.4G/5G), Bluetooth 5.2, Ethernet, HDMI (x2), USB (x2), AV, Audio
Special Features	4K Decoding, Auto Focus, Auto 6D Keystone, Electronic Focus & Keystone, NFC Casting/Mirroring, Dust-proof Engine, Digital Zoom, Auto Obstacle Avoidance, Auto Screen Alignment, Ceiling Mountable
Recommended Uses	Indoor Daylight/Outdoor Movie Nights/Video Gaming/Party/Sports Events/Home Theater
Operating System	Android TV OS

7. WARRANTY AND SUPPORT

The CAIWEI A10Q Smart Projector comes with a comprehensive warranty and dedicated customer support.

7.1 Warranty Information

Your projector is covered by a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

7.2 Lifetime Technical Support

CAIWEI provides **lifetime technical support** for the A10Q projector. If you have any questions, require assistance with setup, operation, or troubleshooting, our support team is available to help.
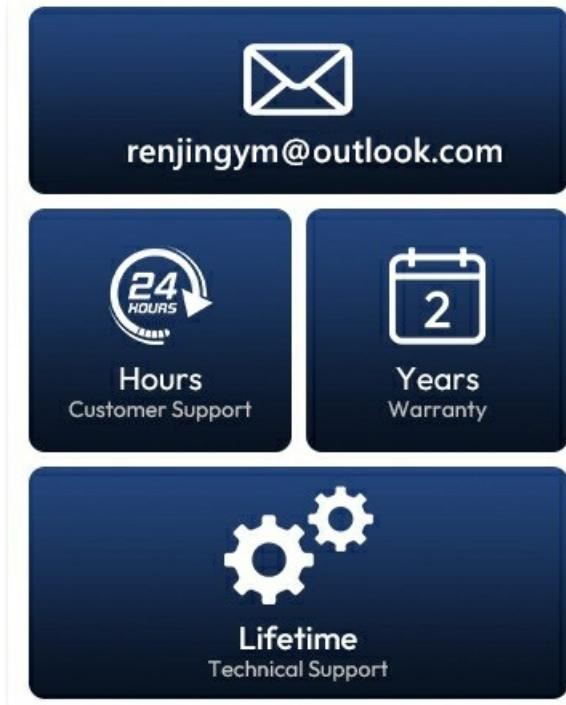

Image 7.1: Warranty and support information.

7.3 Contact Information

For customer support, warranty claims, or technical assistance, please contact us via email:

Email: renjingym@outlook.com