

Aurzen BOOM mini (BM501M)

Aurzen BOOM mini 4K Home Projector with Google TV User Manual

Model: BM501M

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Aurzen BOOM mini 4K Home Projector. Please read it thoroughly before use and retain it for future reference.

The Aurzen BOOM mini is a compact home projector featuring official Google TV, 4K input support, 500 ANSI lumens brightness, HDR10 technology, automatic focus and keystone correction, and integrated Dolby Audio speakers. It offers versatile connectivity options including WiFi6 and Bluetooth 5.1.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Aurzen BOOM mini Projector (x1)
- Power Cable (x1)
- Remote Control (x1)
- Power Adapter (x1)
- Instruction Manual (x1)
- HDMI Cable (x1)
- Warranty Card (x1)

If any items are missing or damaged, please contact customer support.

3. PRODUCT FEATURES

- **Official Google TV:** Access over 10,000 apps and 700,000+ movies and shows from Netflix, Prime Video, YouTube, Disney+, Hulu, and more.
- **High Brightness & Resolution:** SGS certified 500 ANSI lumens with native 1080P resolution (4K input compatible) and HDR10 for vivid, detailed images.
- **Advanced AI ToF Technology:** Features 3-second automatic focus, automatic keystone correction, and automatic obstacle avoidance for quick and clear projection setup.
- **Integrated Audio:** 20W Dolby Audio speakers provide immersive sound.
- **Versatile Connectivity:** Supports dual-band WiFi6 for stable streaming and Bluetooth 5.1 for external audio devices.
- **Dustproof Optical Engine:** Closed design prevents dust accumulation, extending the projector's lifespan.
- **Flexible Projection:** Integrated stand allows 110° rotation for projection on walls, ceilings, or tables.
- **Smart Home Integration:** Google Assistant voice control and multi-device casting for seamless integration into your smart home ecosystem.
- **Kids Mode:** Content filtering and screen time management for a safer viewing experience.

4. SETUP

4.1 Initial Placement

Place the projector on a stable, flat surface. The integrated stand allows for flexible positioning and angle adjustment up to 110 degrees. Ensure there are no obstructions in front of the lens.

革新的なAI搭載ToF技術

より高精度に、より速く、より快適な映像体験を。



リアルタイムオート
フォーカス



自動台形補正



障害物自動回避



スクリーン自動調整



The projector's adjustable stand allows for projection at various angles, including ceilings and walls.

4.2 Power Connection

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

4.3 Initial Google TV Setup

Upon first power-on, follow the on-screen instructions to set up Google TV. This typically involves:

- Connecting to a Wi-Fi network.
- Logging in with your Google account.
- Installing desired streaming applications from the Google Play Store.



The Google TV interface provides access to a wide range of streaming applications.

5. OPERATING INSTRUCTIONS

5.1 Automatic Focus and Keystone Correction

The projector features advanced ToF technology for automatic focus and keystone correction. When the projector is moved or powered on, it will automatically adjust the image for clarity and correct geometric distortion within approximately 3 seconds.

Google TV 搭載でエンタメがもっと身近に

10,000以上のアプリ、70万本以上の映画・ドラマを楽しめる。
さらに、800以上の無料ライブTVチャンネルにも対応。



ToF technology ensures rapid automatic focus and keystone correction.

5.2 Adjusting Projection Size and Distance

The optimal projection distance for a 40-100 inch screen is approximately 1.2m to 3m. For larger screens up to 200 inches, a distance of up to 6m is supported.

Recommended Projection Distances

Screen Size	Projection Distance (Approx.)
40-100 inches	1.2m - 3m
Up to 200 inches	Up to 6m

5.3 Using Google Voice Assistant

Press the voice button on the remote control and speak your command. For example, say "Play the latest anime" or "Search for suspense movies." The projector will respond quickly to your requests.

5.4 Kids Mode

To activate Kids Mode, navigate to the settings menu in Google TV. This mode allows parents to manage screen time and filter content, providing a safer viewing environment for children.

6. CONNECTIVITY

6.1 Wi-Fi Connection (WiFi6)

The projector supports dual-band WiFi6 (2.4GHz and 5GHz) for fast and stable internet connectivity. To connect:

1. Go to the Google TV settings menu.
2. Select "Network & Internet."
3. Choose your desired Wi-Fi network and enter the password if prompted.

6.2 Bluetooth Connection (Bluetooth 5.1)

The projector can connect to external Bluetooth speakers or headphones, and can also function as a standalone Bluetooth speaker.

Dolby Audio & DSP技術搭載

360°に広がる臨場感あふれるサウンドで、深みとクリアさを両立。



 Dolby Audio

DSP 技術

The projector supports two-way Bluetooth connectivity for both input and output.

6.3 HDMI and USB Ports

The projector is equipped with one HDMI port and two USB ports for connecting various devices.

- **HDMI:** Connect game consoles, Blu-ray players, or other streaming devices.
- **USB:** Connect USB storage devices for media playback or other peripherals.



The projector offers multiple ports for connecting various devices.

6.4 Google Cast

The projector supports Google Cast, allowing you to wirelessly mirror content from your smartphone (iOS or Android) to the projector. Ensure both devices are connected to the same Wi-Fi network.

1. On your smartphone, open a compatible app (e.g., YouTube, Netflix).
2. Tap the Cast icon (usually a rectangle with a Wi-Fi symbol).
3. Select your Aurzen BOOM mini projector from the list of available devices.

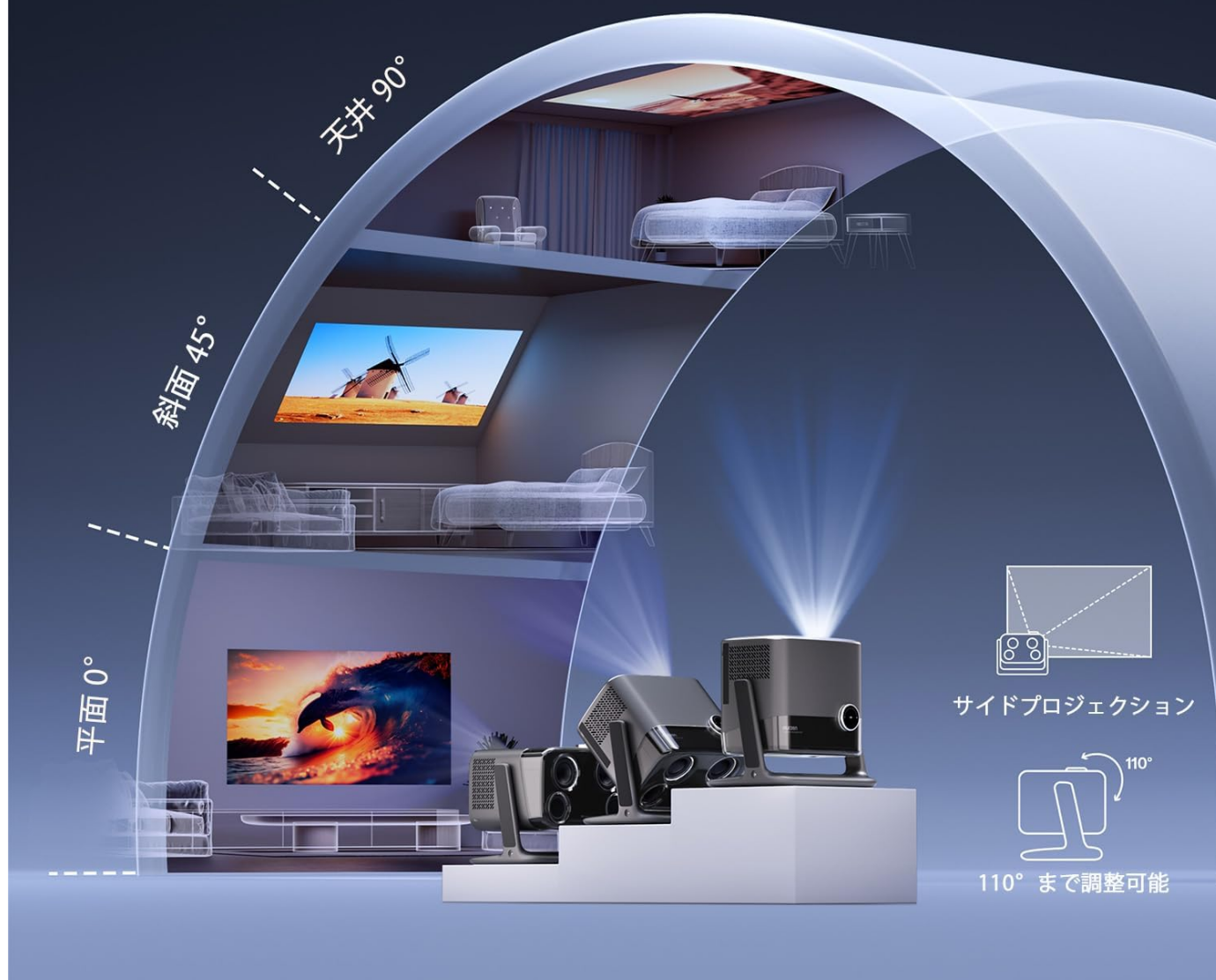
7. IMAGE AND SOUND QUALITY

7.1 Brightness and Color Reproduction

With 500 ANSI lumens brightness and HDR10 support, the projector delivers vibrant and accurate colors. It is designed to provide clear images even in moderately lit environments, reducing the need for complete darkness.

調整可能なスタンド付き

スタンド付きで手間省き！110° 自在に調整し、最適な投影角度を瞬時に得られます。



The projector provides high brightness and vivid color reproduction.

7.2 Audio Performance

The integrated 20W Dolby Audio speakers offer a rich and immersive sound experience. The sound processing technology enhances dynamic audio, provides balanced tuning, and delivers powerful bass.

ネイティブ1080P | フルHD高画質

500ANSIルーメンの高輝度で、細部まで鮮明な映像を再現。



The 20W Dolby Audio speakers deliver powerful and clear sound.

8. MAINTENANCE

8.1 Cleaning the Lens

To clean the projector lens, use a soft, lint-free cloth specifically designed for optical surfaces. Gently wipe the lens in a circular motion. Avoid using abrasive cleaners or excessive force, as this can scratch the lens.

8.2 Dust Prevention

The projector features a closed dustproof optical engine, which minimizes dust intrusion. However, it is recommended to keep the projector in a clean environment and cover it when not in use for extended periods to further protect it from dust.

8.3 General Care

- Do not block the ventilation openings on the projector.
- Avoid exposing the projector to extreme temperatures, humidity, or direct sunlight.
- Handle the projector with care to prevent physical damage.

9. TROUBLESHOOTING

Common Issues and Solutions

Problem	Possible Cause	Solution
No image displayed	Power not connected; Input source incorrect; Lens cap on.	Check power connection; Select correct input source (HDMI, Google TV); Remove lens cap.
Image is blurry	Auto-focus issue; Projector moved.	Allow projector to auto-focus (approx. 3 seconds); Manually adjust focus if needed via remote.
Image is distorted (trapezoid shape)	Auto-keystone issue; Projector angle.	Allow projector to auto-correct keystone; Manually adjust keystone if needed via settings.
No sound	Volume too low; Muted; External audio device connected.	Increase volume; Unmute; Disconnect external Bluetooth device if using internal speakers.
Cannot connect to Wi-Fi	Incorrect password; Router issue; Out of range.	Verify password; Restart router; Move projector closer to router.
Remote control not working	Batteries low/dead; Obstruction; Not paired.	Replace batteries; Remove obstructions; Re-pair remote control (refer to section 6.2 for pairing Bluetooth devices).

10. SPECIFICATIONS

Aurzen BOOM mini Projector Specifications

Feature	Detail
Brand	Aurzen
Model Number	BOOM mini (BM501M)
Recommended Use	Gaming, Business, Home Cinema, Education
Brightness	500 ANSI Lumens
Native Resolution	1920 x 1080 (Full HD)
Max Display Resolution	1980 x 1080 pixels (4K input compatible)

Feature	Detail
Image Enhancement	HDR10
Connectivity Technology	Bluetooth 5.1, HDMI, USB, WiFi6
Audio	20W Dolby Audio Built-in Speaker
Features	Auto Focus, Auto Keystone Correction, Auto Obstacle Avoidance, Dustproof Optical Engine, Integrated Stand (110° rotation), Google TV, Google Assistant, Kids Mode, Google Cast
Min Projection Distance	1.2 meters
Max Projection Distance	6 meters
Item Dimensions (L x W x H)	17.8 x 19.2 x 23.2 cm
Weight	2.14 kg
Color	Black
Origin	China
UPC	850074197393

11. WARRANTY AND SUPPORT

11.1 Warranty Information

The Aurzen BOOM mini Projector comes with a**2-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

11.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Aurzen customer support:

- **Email:** support.jp@aurzen.com

When contacting support, please provide your product model number (BM501M) and a detailed description of the issue.

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