

iSinbox JY821

iSinbox JY821 Projector User Manual

Model: JY821

1. INTRODUCTION

This user manual provides detailed instructions for the setup, operation, and maintenance of your iSinbox JY821 Projector. Please read this manual thoroughly before using the projector to ensure proper functionality and to maximize your viewing experience. Keep this manual for future reference.



Figure 1.1: iSinbox JY821 Projector Overview

2. PRODUCT OVERVIEW AND FEATURES

The iSinbox JY821 Projector is designed for home entertainment, offering advanced features for an enhanced viewing experience. Key features include:

- **Full 4K Decoding:** Supports 4K resolution content for clear and detailed images.
- **High Brightness:** Delivers 1500 ANSI lumens for vibrant projections.
- **Dolby Audio:** Integrated Dolby membrane speaker technology with 36W speakers for immersive sound.
- **Sealed Light Engine:** A dust-proof system designed to prevent image degradation from dust buildup.
- **Liquid Cooling Technology:** An advanced cooling system for stable performance during extended use.
- **Smart Auto System:** Features automatic focus, 6D keystone correction, auto screen detection, and obstacle avoidance.
- **Integrated Applications:** Runs on a Linux operating system with pre-installed streaming platforms such as Netflix, Prime Video, YouTube, Disney+, Apple TV, and Hulu.
- **Flexible Zoom:** Offers 50%-100% digital zoom for adaptable placement.

Full 4K Decoding

Illuminates Exquisite Details

JY821

2160p60 HDR ✓



Others:

1080p60 HDR ✓







1500 ANSI



Ai PQ



Figure 2.1: Full 4K Decoding Capability

36W Immersive Stereo Sound

Tune Your Atmosphere



Figure 2.2: 36W Immersive Stereo Sound System

3. SETUP INSTRUCTIONS

Follow these steps for initial setup of your iSinbox JY821 Projector:

1. **Placement:** Position the projector on a stable, flat surface or mount it according to your preference. Ensure adequate ventilation around the device. The 50%-100% digital zoom allows for flexible placement relative to the screen.
2. **Power Connection:** Connect the power cord to the projector and then to a power outlet.
3. **Power On:** Press the power button on the projector or remote control to turn on the device.
4. **Automatic Adjustments:** Upon power-on, the projector will automatically perform auto-focus and 6D keystone correction to achieve a clear and properly aligned image. It also features auto screen detection and obstacle avoidance.
5. **Network Connection:** Navigate to the settings menu to connect the projector to your Wi-Fi network. This is necessary for accessing online streaming applications.



Figure 3.1: AI Auto Screen Alignment in action

4. OPERATING INSTRUCTIONS

The iSinbox JY821 Projector operates on a smart Linux-based operating system, providing access to various functions and applications.

4.1 Navigating the Smart OS

- Use the remote control to navigate through the on-screen menus.
- The home screen provides quick access to pre-installed streaming applications like Netflix, Prime Video, YouTube, Disney+, Apple TV, and Hulu.
- Additional applications can be downloaded or accessed via the web browser.



Figure 4.1: AI-Powered Smart Operating System

4.2 Adjusting Image and Sound

- **Focus and Keystone:** While automatic, manual adjustments can be made through the settings menu if desired.
- **Zoom:** Adjust the digital zoom (50%-100%) to fit the image to your screen size without moving the projector.
- **Audio Settings:** Access audio settings to fine-tune sound output, including volume and sound modes. The projector features Dolby Audio for enhanced sound quality.

5. CONNECTIVITY

The iSinbox JY821 Projector offers multiple connectivity options for various devices:

- **Wi-Fi 6:** For high-speed wireless internet access and streaming.
- **Bi-directional Bluetooth 5.2:** Connects to external Bluetooth speakers or headphones for audio output, or connects to your smartphone/tablet for content sharing.
- **HDMI Ports:** Connect gaming consoles, laptops, Blu-ray players, and other HDMI-enabled devices.

- **USB Ports:** For playing media from USB drives or connecting compatible accessories.
- **3.5mm Audio Jack:** For connecting wired external audio devices.



Figure 5.1: Intelligent Bi-directional Bluetooth Connectivity

6. MAINTENANCE

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

6.1 Dust Protection

The iSinbox JY821 features a fully sealed light engine, significantly reducing the risk of dust accumulation on optical components. This design minimizes the need for internal cleaning and helps maintain image clarity over time.

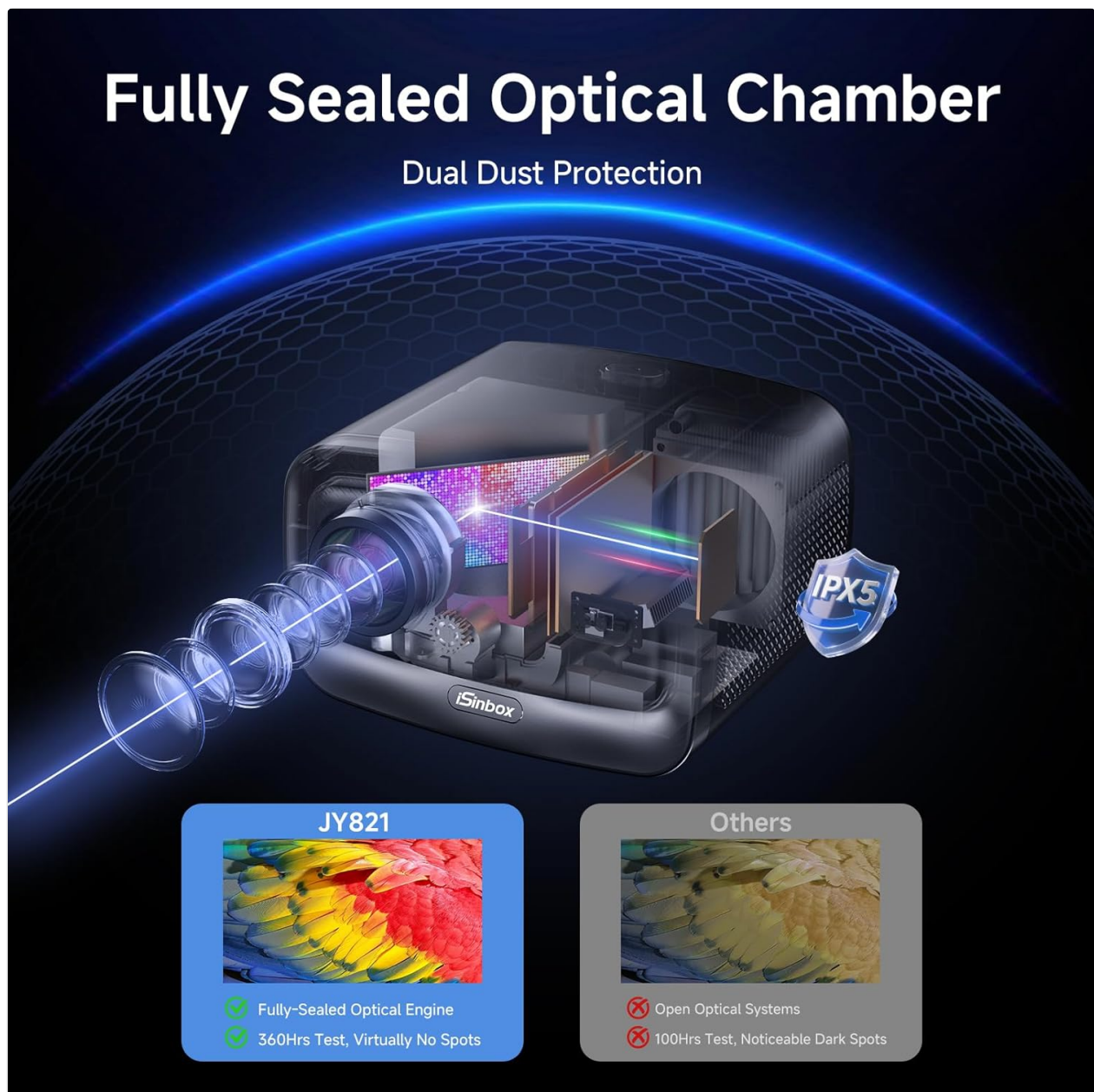


Figure 6.1: Fully Sealed Optical Chamber for Dust Protection

6.2 Cooling System

The projector incorporates a liquid cooling system designed for efficient heat dissipation. This system helps maintain stable operating temperatures and contributes to reduced noise levels during use.



Figure 6.2: Liquid Cooling Technology

6.3 General Care

- Keep the projector in a clean, dry environment.
- Clean the exterior with a soft, dry cloth. Avoid abrasive cleaners.
- Ensure ventilation ports are not obstructed.

7. TROUBLESHOOTING

If you encounter issues with your iSinbox JY821 Projector, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Power	Power cord disconnected; Power outlet issue	Ensure power cord is securely connected. Test power outlet with another device.
No Image	Input source not selected; Lens cap on; Projector in standby mode	Select correct input source. Remove lens cap. Press power button to wake from standby.

Problem	Possible Cause	Solution
Image Blurry	Auto-focus issue; Projector moved	Allow auto-focus to complete. If needed, manually adjust focus via settings.
Image Distorted (Trapezoid)	Keystone correction needed; Projector angle incorrect	Allow 6D auto keystone correction to complete. If needed, manually adjust keystone via settings.
No Sound	Volume too low; Muted; External audio device not connected	Increase volume. Unmute. Ensure external audio device is properly connected and selected.
Cannot Connect to Wi-Fi/Bluetooth	Incorrect password; Device out of range; Network issue	Verify password. Move projector closer to router/device. Restart router/projector.

If the problem persists after attempting these solutions, please contact customer support.

8. SPECIFICATIONS

Below are the technical specifications for the iSinbox JY821 Projector:

Brand: iSinbox

Model: JY821

Display Technology: LCD

Native Resolution: 1920 x 1080 (Full HD)

Supported Resolution: 3840 x 2160 (4K Decoding)

Image Brightness: 1500 ANSI Lumens

Image Contrast Ratio: 20000:1

Aspect Ratio: 16:9, 4:3

Noise Level: 32 Decibels

Wattage: 95 watts

Refresh Rate: 60 Hz

Hardware Interface: 3.5mm Audio, Bluetooth, HDMI, USB

Connectivity Technology: Bluetooth, HDMI, Wi-Fi, Wireless

Compatible Devices: Gaming Console, Laptop, Smartphone, Speaker, Tablet

Product Dimensions: 19.56 x 21.84 x 13.97 cm

Item Weight: 2.22 kg

Mounting Type: Tabletop Mount (also suitable for ceiling mounting)

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or contact the iSinbox customer service department. The product package includes an AV Cable, HDMI Cable, Power Cord, Remote, and this User Manual.