PUTRIMS S28

PUTRIMS S28 Mini Projector User Manual

Model: S28 | Brand: PUTRIMS

1. INTRODUCTION

Thank you for choosing the PUTRIMS S28 Mini Projector. This manual provides essential information for setting up, operating, and maintaining your projector to ensure optimal performance and longevity. Please read this manual thoroughly before using the product and retain it for future reference.

2. PRODUCT OVERVIEW

2.1 Package Contents

Ensure all items are present in the package:

- PUTRIMS S28 Projector (Note: No built-in battery, requires power connection during use)
- Power Cord
- HDMI Cable
- Remote Control (Requires 2 AAA batteries, not included)
- Quick Start Guide
- Lens Cover

2.2 Key Features

- **Auto Keystone Correction:** Automatic vertical keystone adjustment (±30°) and manual correction (±50°) for a perfectly rectangular image.
- **Electric Focus:** One-click focus adjustment for clear images.
- **Adjustable Stand:** Integrated 145° rotatable stand for flexible projection angles, including ceiling projection.
- **Dual-Band WiFi:** Supports ultra-fast 5G and stable 2.4G WiFi for seamless streaming and screen mirroring (Miracast, Airplay).
- **Bluetooth 5.2:** Built-in Bluetooth for connecting external audio devices like headphones or speakers.
- **1080P Support:** Supports 1080P Full HD input for high-quality visuals. Native resolution is 1280 x 720.
- **300 ANSI Lumens Brightness:** Provides bright and vibrant visuals.

- **Fully Enclosed Optical System:** Designed to prevent dust accumulation, reducing black or white spots and ensuring long-term clarity.
- **Zoom Function:** Adjust image size from 100% to 50% without moving the projector.
- **Multiple Connectivity:** HDMI, USB, and 3.5mm audio output ports for compatibility with various devices (Phone, Laptop, PC, TV Stick, PS5, Switch).
- **Compact Design:** Lightweight and portable for easy setup in any location.

2.3 Product Diagram

Figure 2.3.1: Front view of the PUTRIMS S28 Mini Projector, showcasing the lens and focus adjustment.

Figure 2.3.2: The projector positioned with its 145-degree rotatable stand, demonstrating its flexibility for various projection angles, including ceiling projection.

True Closed Optical Engine
Effectively blocks black spots & blue spots

S28
Enclosed Optical Engine
No Black Spots

Others
Open Optical Engine
Touublesome Black Spots
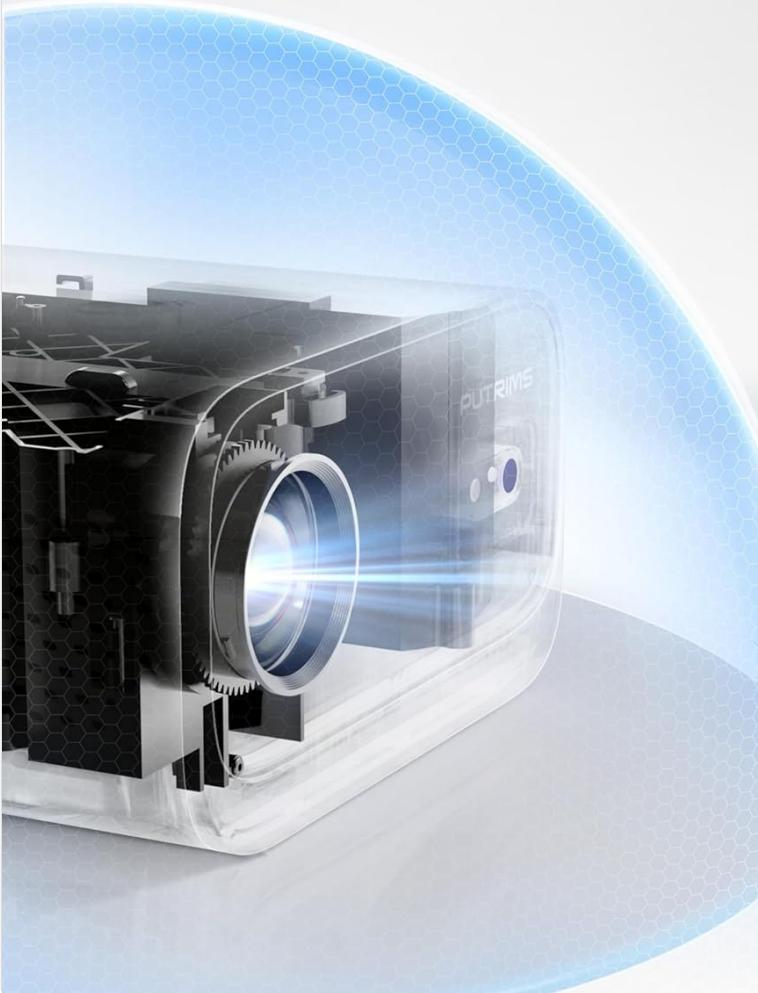
Figure 2.3.3: Diagram illustrating the True Closed Optical Engine, highlighting its design to effectively block black and blue spots, ensuring a clear and consistent image over time.

3. SETUP GUIDE

Follow these steps for initial setup:

1. **Unpack:** Carefully remove all components from the packaging.
2. **Power Connection:** Connect the power cord to the projector and then to a power outlet. The projector is not battery-powered and must be plugged in during use.
3. **Placement:** Place the projector on a stable, flat surface. Utilize the 145° adjustable stand to achieve your desired projection angle. The optimal projection distance is typically 2-3 meters.
4. **Lens Cover:** Remove the lens cover before powering on the projector.
5. **Power On:** Press the power button on the projector or the remote control to turn on the device.
6. **Focus Adjustment:** Use the electric focus function via the remote control to achieve a clear image. Press the 'F-' or 'F+' buttons on the remote to adjust.

Figure 3.6.1: Adjusting focus using the remote control for a sharp image.

7. **Keystone Correction:** The projector features automatic vertical keystone correction (±30°). If further adjustment is needed, manual keystone correction (±50°) is available in the settings menu.

Figure 3.7.1: Visual representation of automatic vertical keystone correction, ensuring a rectangular image even when the projector is tilted.

4. OPERATING INSTRUCTIONS

4.1 Connecting Devices

The PUTRIMS S28 offers multiple connectivity options:

- **HDMI:** Connect your laptop, PC, TV Stick, PS5, Switch, or other HDMI-enabled devices using the provided HDMI cable. Select the HDMI input source from the projector's menu.
- **USB:** Insert a USB drive to play media files directly.
- **3.5mm Audio Out:** Connect external speakers or headphones for enhanced audio.

4.2 Wireless Connectivity (WiFi)

To connect to a wireless network:

1. Navigate to the "Settings" menu on the projector.
2. Select "Network" or "WiFi Settings".

3. Enable WiFi and select your desired 5G or 2.4G network from the list.

4. Enter the network password using the on-screen keyboard and confirm.

5. Once connected, you can use screen mirroring features like Miracast (for Android) or Airplay (for iOS) to project content from your smartphone or tablet.

Figure 4.2.1: Demonstrating the dual-band 5G and 2.4G WiFi connectivity for fast and smooth streaming.

Note: Due to HDCP copyright restrictions, streaming services like Netflix and Disney+ require a TV stick (sold separately) for playback. Wired screen mirroring is also supported for seamless YouTube streaming.

4.3 Bluetooth Pairing

To connect Bluetooth audio devices:

1. Go to the "Settings" menu and select "Bluetooth".

2. Enable Bluetooth on the projector.

3. Put your Bluetooth headphones, speakers, or AirPods into pairing mode.

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

4.4 Adjusting Projection Settings

- **Zoom Function:** To adjust the image size without moving the projector, use the zoom function. This allows you to scale the image from 100% down to 50%. Access this setting in the projector's display or picture settings menu.
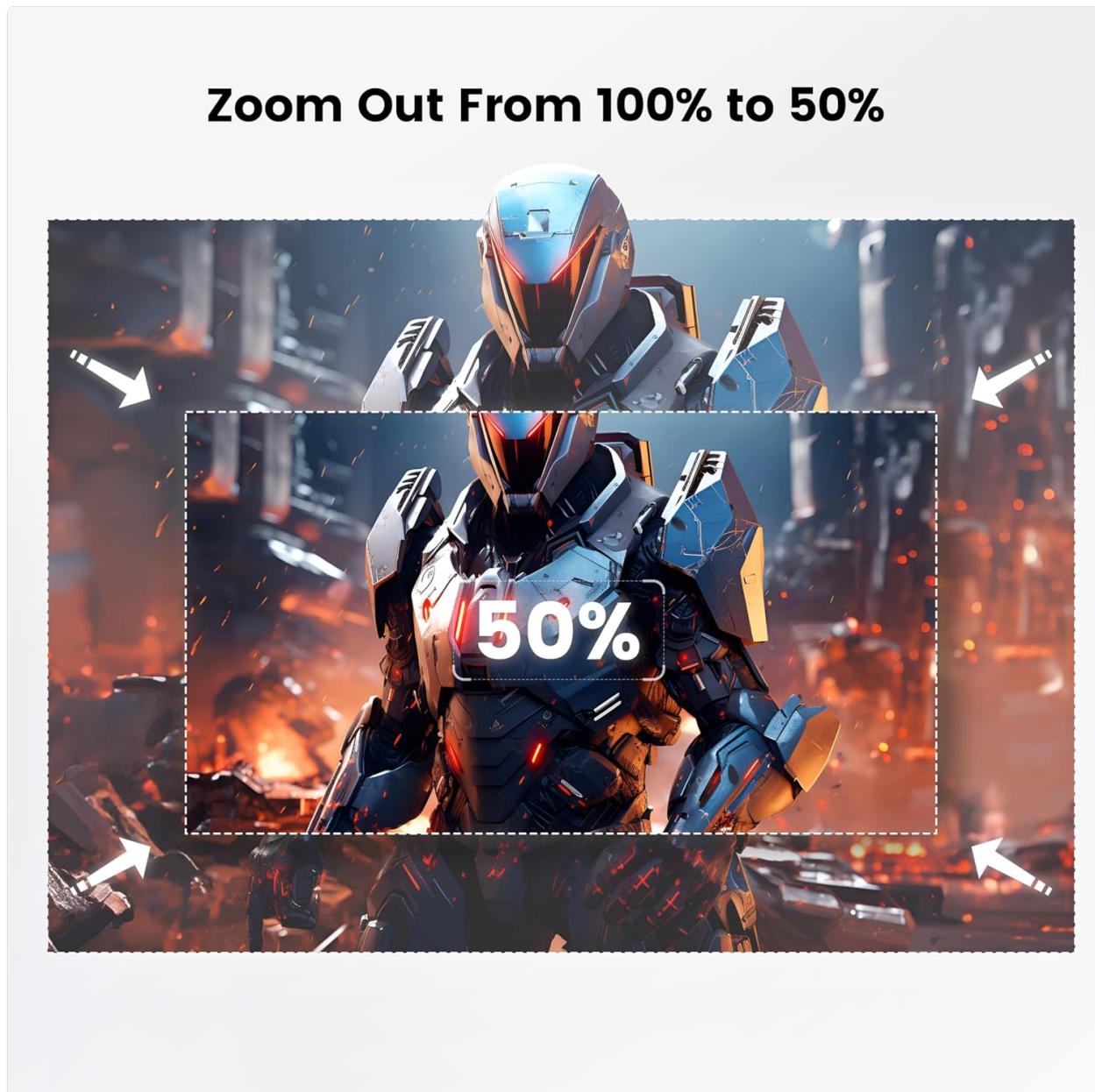

Figure 4.4.1: Visual guide for adjusting the projection size using the 100% to 50% zoom feature.

- **Picture Mode:** Adjust brightness, contrast, color, and sharpness settings to optimize picture quality for different content or environments.
- **Sleep Timer:** Set a sleep timer (60/120/180 minutes) for automatic shutdown.

5. Maintenance

Proper maintenance ensures the longevity and performance of your projector:

- **Lens Cleaning:** Use a soft, lint-free cloth specifically designed for optical lenses to gently wipe the projector lens. Do not use abrasive cleaners or excessive force.
- **Dust Removal:** Regularly clean the projector's vents to prevent dust buildup, which can affect performance and lead to overheating. Use a soft brush or compressed air. The fully enclosed optical system helps minimize internal dust.
- **Storage:** When not in use, store the projector in a cool, dry place, away from direct sunlight and extreme

temperatures. Use the provided lens cover to protect the lens.

- **Handling:** Always handle the projector with care. Avoid dropping or subjecting it to strong impacts.

6. TROUBLESHOOTING

If you encounter issues, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
No image / Power off	Power cord not connected; Projector not powered on.	Ensure power cord is securely connected. Press the power button. Confirm the projector is plugged into a working outlet.
Blurry image	Incorrect focus; Projector too close/far from screen.	Adjust focus using the remote control. Ensure the projector is within the optimal projection distance (2-3 meters).
Image not rectangular	Incorrect keystone setting.	Allow auto keystone correction to adjust. If needed, manually adjust keystone in the settings menu.
No sound	Volume too low; External audio device not connected/paired correctly.	Increase projector volume. Check audio cable connections or Bluetooth pairing status.
WiFi/Bluetooth connectivity issues	Incorrect password; Device out of range; Interference.	Re-enter password. Ensure devices are within range. Restart projector and router/Bluetooth device.
Streaming apps (Netflix, Disney+) not working	HDCP copyright restrictions.	A TV stick (sold separately) is required for these services due to copyright protection.

For further assistance, please contact our customer support.

7. SPECIFICATIONS

Feature	Detail
Brand	PUTRIMS
Model	S28
Native Display Resolution	1280 x 720 (Supports 1080P input)
Brightness	300 ANSI Lumens
Contrast Ratio	18,000:1
Throw Ratio	1.36:1
Keystone Correction	Auto Vertical (±30°), Manual (±50°)
Focus	Electric Focus

Feature	Detail
Adjustable Stand Angle	145°
Zoom Function	100% - 50%
Connectivity	5G+2.4G WiFi, Bluetooth 5.2, HDMI, USB, 3.5mm Audio Out
Item Weight	1.76 pounds (approx. 0.8 kg)
Dimensions (L x W x H)	7.87 x 7.08 x 7.87 inches (approx. 20 x 18 x 20 cm)
Power Source	AC Power (No built-in battery)

8. WARRANTY AND SUPPORT

PUTRIMS is committed to providing excellent customer service.

- **Warranty:** The PUTRIMS S28 Mini Projector comes with a 2-year money-back guarantee and 3-year repair coverage.
- **Technical Assistance:** Lifetime technical assistance is available for all customers.
- **Customer Support:** For any questions, troubleshooting, or technical support, please contact us 24/7 via email at: support@putrims.com.

Figure 8.1: Contact information for customer support, including email and service guarantees.