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InFocus SP224

ScreenPlay SP224 3D DLP Projector User Manual

Model: SP224 | Brand: InFocus

1. INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient operation of your InFocus ScreenPlay SP224 3D DLP Projector. Please read this manual thoroughly before using the projector and keep it for future reference.

The ScreenPlay SP224 is a versatile 3D DLP projector designed for various environments, including classrooms, offices, and home use. It features XGA resolution, 4000 lumens brightness, and a long-lasting lamp, ensuring clear, vibrant, and detailed projections.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent fire, electric shock, or injury:

- Do not block ventilation openings. Ensure adequate airflow around the projector.
- Do not look directly into the projector lens when the lamp is on. The bright light can damage your eyes.
- Do not place the projector on an unstable cart, stand, or table.
- Do not expose the projector to rain or moisture.
- Use only the power cord supplied with the projector.
- Refer all servicing to qualified service personnel.

3. PRODUCT FEATURES

- **DLP Technology:** Offers brilliant, colorful, and clear visuals with deep blacks.
- **3D Ready:** Capable of projecting 3D content from various 3D display sources, including 3D Blu-ray players and game consoles.

- **High Brightness:** 4000 lumens ensure clear, bright, and vivid visuals in various lighting conditions.
- **XGA Resolution:** Suitable for presentations and spreadsheets, offering a balanced performance.
- **High Contrast Ratio:** Up to 30,000:1 for enhanced image depth and detail.
- **Versatile Connectivity:** Equipped with HDMI ports for connecting Blu-ray players, notebooks, and other devices, plus a USB port for instant projection from PCs or MacBooks.
- **Extended Lamp Life:** An unprecedented 15,000 hours of lamp life in Dynamic Mode, reducing maintenance needs.
- **USB-A Power:** Convenient USB-A input for powering external devices like streaming sticks.
- **Advanced Digital Image Correction:** Features like digital edge masking and image shift for precise adjustments.
- **24/7 Operation:** Designed for continuous operation in standard orientation, ideal for applications requiring prolonged use.

4. PHYSICAL COMPONENTS



Figure 4.1: Front view of the ScreenPlay SP224 projector, showing the lens and front ventilation.

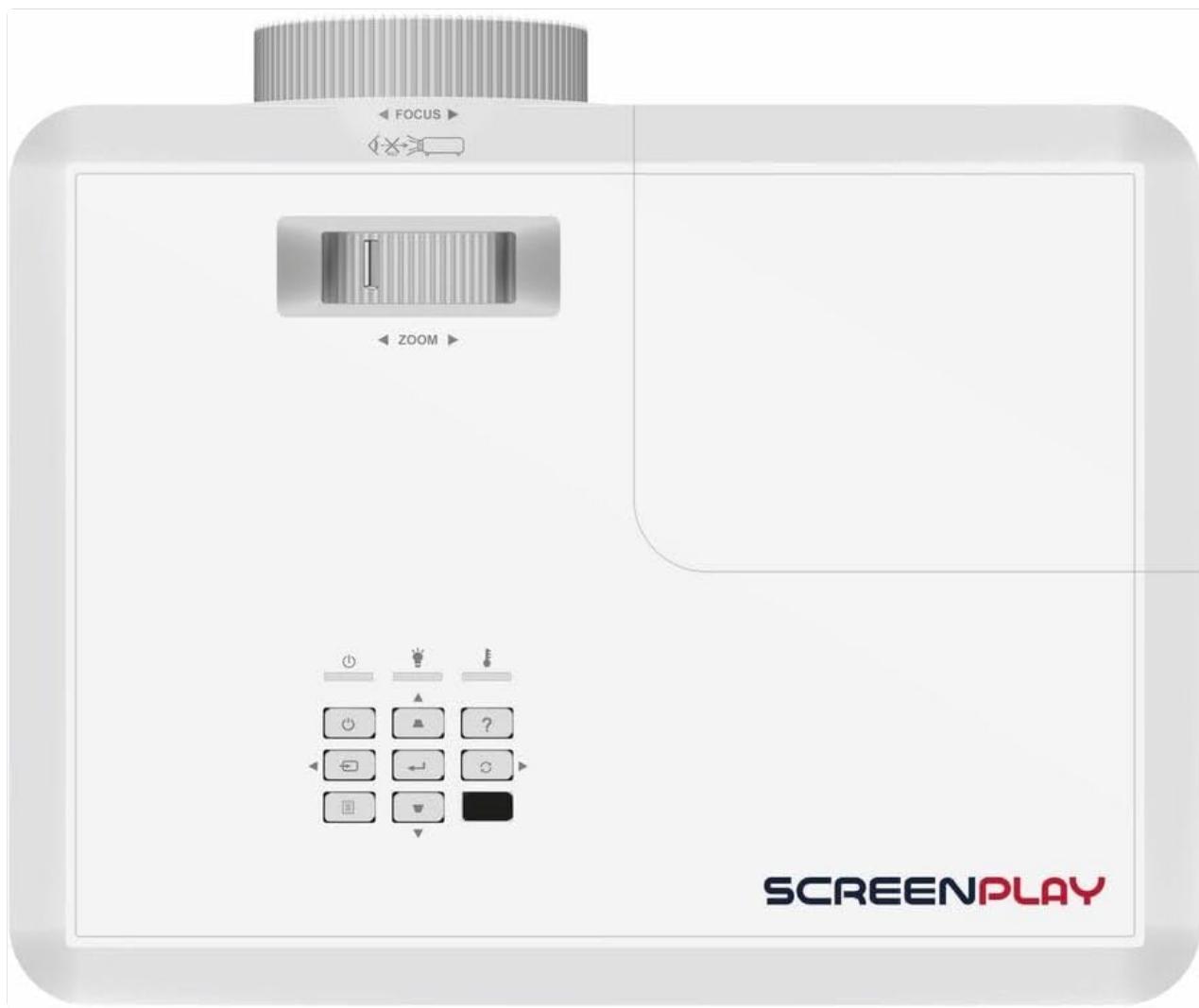


Figure 4.2: Top view of the projector, highlighting the control panel, focus, and zoom rings.



Figure 4.3: Rear view displaying the various input and output ports, including HDMI, USB-A, VGA, S-Video, Audio In/Out, and RS232.



Figure 4.4: Left side view of the projector, showing ventilation grilles.

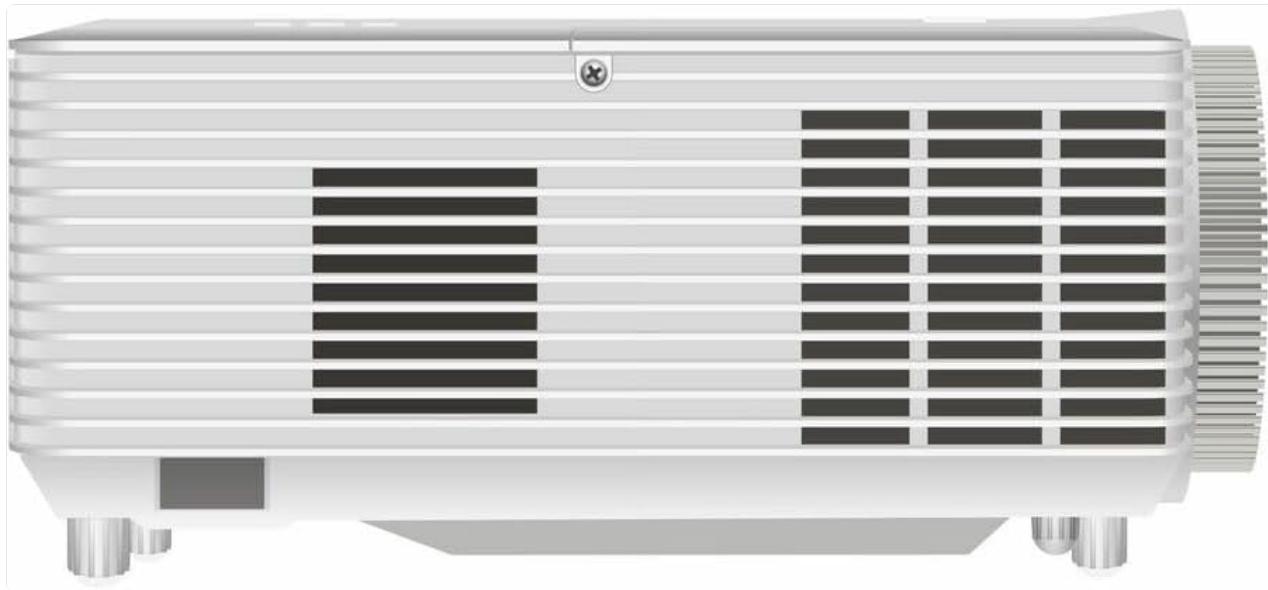


Figure 4.5: Right side view of the projector, showing additional ventilation grilles.

5. SETUP

5.1 Placement

Place the projector on a stable, flat surface. Ensure there is sufficient space around the projector for proper ventilation. Avoid placing it near heat sources or in direct sunlight.

5.2 Connecting Power

1. Connect the power cord to the AC IN port on the rear of the projector.
2. Plug the other end of the power cord into a grounded electrical outlet.

5.3 Connecting Video Sources

The SP224 projector offers multiple connectivity options:

- **HDMI:** Use an HDMI cable to connect your computer, Blu-ray player, or game console to one of the HDMI ports (HDMI 1 or HDMI 2).
- **VGA:** Connect a VGA cable from your computer's VGA output to the VGA IN port on the projector.
- **USB-A:** For direct projection from a PC or MacBook, connect a USB cable to the USB-A port. This port also provides 5V 1.5A power for external devices.
- **S-Video:** Connect an S-Video cable for older video sources.

5.4 Connecting Audio

If your video source does not transmit audio via HDMI, or if you are using VGA/S-Video, connect an audio cable from your source's audio output to the Audio In port on the projector. You can also connect external speakers to the Audio Out port.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

- **Power On:** Press the power button on the projector's control panel or remote control. The power indicator light will turn steady blue.
- **Power Off:** Press the power button again. A confirmation message may appear. Press the power button a second time to confirm shutdown. Allow the projector to cool down before unplugging.

6.2 Input Source Selection

Press the "Source" button on the control panel or remote control to cycle through available input sources (HDMI 1, HDMI 2, VGA, USB, S-Video). Alternatively, use the dedicated input buttons if available.

6.3 Image Adjustment

- **Focus:** Rotate the focus ring on the projector lens until the image is sharp and clear.
- **Zoom:** Adjust the zoom ring on the projector lens to change the size of the projected image.
- **Keystone Correction:** If the image appears trapezoidal, use the keystone correction function (usually found in the OSD menu) to square the image.
- **Image Shift/Edge Masking:** Access these advanced digital image correction features through the projector's On-Screen Display (OSD) menu for fine-tuning image alignment and borders.

6.4 3D Functionality

To view 3D content, ensure your source device (e.g., 3D Blu-ray player, compatible game console) is connected and outputting 3D signals. The projector will automatically detect the 3D format. Active 3D glasses (sold separately) are required for viewing.

6.5 On-Screen Display (OSD) Menu

Press the "Menu" button on the control panel or remote to access the OSD menu. Use the arrow keys to navigate and the "Enter" or "OK" button to select options. Adjust settings such as picture mode, aspect ratio, audio, and advanced display options.

7. MAINTENANCE

7.1 Cleaning the Projector

- Exterior:** Use a soft, lint-free cloth dampened with a mild, non-abrasive cleaner to wipe the projector's casing. Do not use harsh chemicals.
- Lens:** Use a professional lens cleaning kit (blower brush, lens cleaning solution, microfiber cloth) to gently clean the lens. Avoid touching the lens surface with your fingers.
- Ventilation Openings:** Periodically use a soft brush or compressed air to clear dust from the ventilation grilles to ensure proper airflow.

7.2 Lamp Life

The ScreenPlay SP224 projector boasts an impressive lamp life of up to 15,000 hours in Dynamic Mode. When the lamp approaches its end of life, a warning message may appear. Refer to the projector's OSD menu for current lamp hour information. Lamp replacement should be performed by qualified personnel or according to the detailed instructions in a separate service manual if provided.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No image displayed.	Power cord not connected; incorrect input source selected; source device not powered on.	Check power connections; select correct input source; ensure source device is on.
Image is blurry.	Lens out of focus; projector too close/far from screen.	Adjust the focus ring; reposition the projector or adjust zoom.
Image is trapezoidal.	Projector not perpendicular to the screen.	Use keystone correction in the OSD menu.
No audio.	Audio cable not connected; volume too low; incorrect audio input selected.	Check audio connections; increase volume; select correct audio input.
Projector overheats and shuts down.	Blocked ventilation; dusty filters (if applicable).	Ensure clear ventilation; clean grilles. Allow to cool before restarting.

9. SPECIFICATIONS

Model Number	SP224
Brand	InFocus
Display Technology	DLP
Native Resolution	1024 x 768 (XGA)

Brightness	4000 Lumens
Contrast Ratio	Up to 30,000:1
Aspect Ratio	4:3 (Native)
Lamp Life	Up to 15,000 hours (Dynamic Mode)
Connectivity	HDMI (x2), USB-A, VGA In, S-Video, Audio In, Audio Out, RS232
Special Features	3D-Ready, UHP Lamp, Advanced Digital Image Correction, 24/7 Operation
Product Dimensions	3.8 x 12.3 x 9.3 inches
Item Weight	5.73 pounds
Manufacturer	INFOCUS MANAGED
Date First Available	January 30, 2024

10. WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the warranty card included with your projector or visit the official InFocus website. For technical support, troubleshooting assistance beyond this manual, or service inquiries, please contact InFocus customer support.

Keep your purchase receipt as proof of purchase for warranty claims.