Samsung OH55A-S

Samsung OH55A-S 55-inch Outdoor High Brightness Display User Manual

Model: OH55A-S (12582226000)

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your Samsung OH55A-S 55-inch Outdoor High Brightness Display. Please read this manual thoroughly before operating the device and retain it for future reference. The Samsung OH55A-S is designed for 24/7 outdoor operation, offering Full HD resolution and 3500 nits brightness for clear visibility in various lighting conditions.

2. SAFETY INFORMATION

Always follow these basic safety precautions to reduce the risk of fire, electric shock, or injury:

- **Power Source:** Connect the display only to a grounded power outlet with the correct voltage as specified on the product label.

- **Ventilation:** Ensure adequate ventilation around the display. Do not block ventilation openings.

- **Moisture:** Do not expose the display to rain or excessive moisture beyond its IP rating. Avoid placing liquids near the display.

- **Heat:** Keep the display away from heat sources such as radiators, heat registers, stoves, or other heat-producing apparatus.

- **Mounting:** Use appropriate mounting hardware and ensure the display is securely installed by qualified personnel to prevent it from falling.

- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.

3. PRODUCT OVERVIEW

The Samsung OH55A-S is a robust outdoor display designed for high visibility and durability. It features a 55-inch Full HD screen with exceptional brightness.

Figure 3.1: Front view of the Samsung OH55A-S outdoor display, showcasing its vibrant screen in an outdoor setting.

Figure 3.3: Rear view of the Samsung OH55A-S outdoor display, showing the location of input ports and mounting points for installation.

4. SETUP

4.1. Mounting and Installation

Due to the size and weight of the OH55A-S, professional installation is highly recommended. Ensure the mounting surface is structurally sound and can support the display's weight (approximately 50.9 pounds). Use VESA-compatible mounting brackets appropriate for outdoor use.

1. **Select Location:** Choose a location that provides optimal viewing and protection from direct impact.
2. **Secure Mounting:** Attach the VESA mount to the display and then securely fasten the display to the chosen structure according to the mount manufacturer's instructions.

4.2. Connecting Cables

Before connecting any cables, ensure the display is powered off and disconnected from the main power supply.

1. **Power Cable:** Connect the power cable to the display's power input and then to a grounded electrical outlet.
2. **Video Input:** Connect your video source (e.g., media player, PC) to the display using an appropriate cable (HDMI, DisplayPort, etc.).
3. **USB Devices:** If needed, connect USB devices to the available USB port (Total USB Ports: 1).

4.3. Initial Power On

Once all connections are secure, connect the display to the power supply and press the power button. Follow any on-screen prompts for initial setup, such as language selection and input source.

5. OPERATING

5.1. Basic Controls

The display typically features control buttons on the side or rear panel, or can be controlled via a remote control (sold separately or included depending on region).

- **Power Button:** Turns the display on or off.
- **Input Source:** Selects the desired video input (e.g., HDMI 1, HDMI 2).
- **Menu Button:** Accesses the on-screen display (OSD) menu for settings adjustments.
- **Navigation Buttons:** Used to navigate through menu options.

5.2. Picture Settings

Adjust picture settings via the OSD menu to optimize viewing quality for your specific environment.

- **Brightness:** Adjusts the overall luminance of the screen. The OH55A-S offers 3500 Nits brightness, ideal for direct sunlight.
- **Contrast:** Controls the difference between the lightest and darkest areas of the image.
- **Color:** Adjusts color saturation and tint.
- **Sharpness:** Enhances the clarity of image edges.

5.3. Outdoor Usage Considerations

The OH55A-S is built for outdoor environments. Its high brightness ensures content remains visible even in bright daylight. The display is designed for 24/7 operation, but ensure it is installed in a location that allows for proper heat dissipation and protection from extreme weather conditions beyond its specified operating range.

6. MAINTENANCE

6.1. Cleaning the Display

Regular cleaning helps maintain optimal performance and appearance.

- **Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn dirt, use a mild, non-abrasive screen cleaner applied to the cloth, not directly to the screen.
- **Casing:** Wipe the exterior casing with a soft, damp cloth. Avoid harsh chemicals or abrasive materials.
- **Ventilation:** Periodically check and clear any dust or debris from the ventilation openings to ensure proper airflow.

6.2. Environmental Considerations

While designed for outdoor use, extreme environmental conditions can affect the display's lifespan. Ensure the display operates within its specified temperature and humidity ranges. Protect it from direct, prolonged exposure to corrosive elements if possible.

7. Troubleshooting

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

Problem	Possible Cause	Solution
No Power	Power cable disconnected; Power outlet faulty.	Check power cable connection; Test power outlet with another device.
No Image	Incorrect input source selected; Video cable loose or faulty; Source device off.	Select correct input source; Check video cable connections; Ensure source device is on.
Image Too Dark/Bright	Picture settings incorrect.	Adjust Brightness and Contrast settings in the OSD menu.
Remote Control Not Working	Batteries dead; Obstruction between remote and display.	Replace batteries; Remove any obstructions.

If the problem persists after trying these solutions, contact Samsung customer support.

8. Specifications

Feature	Detail
Brand	Samsung
Model Number	12582226000 (OH55A-S)
Screen Size	55 Inches
Resolution	FHD 1080p (1920 x 1080)
Image Brightness	3500 Nits
Aspect Ratio	16:9
Screen Surface Description	Glossy
Total USB Ports	1
Product Dimensions	1.5 x 2.76 x 9.76 inches (This seems incorrect for a 55-inch display, likely packaging or a component. Refer to official product documentation for accurate display dimensions.)
Item Weight	50.9 pounds
Manufacturer	SAMSUNG

Note: Product dimensions provided may refer to packaging or a specific component. Please consult official Samsung documentation for precise display unit dimensions.

9. WARRANTY INFORMATION

This Samsung OH55A-S display comes with a standard manufacturer's warranty. For detailed information regarding warranty terms, conditions, and duration, please refer to the warranty card included with your product or visit the official Samsung website. Keep your proof of purchase for warranty claims.

10. SUPPORT

For further assistance, technical support, or service requests, please contact Samsung Customer Service. You can find contact information and additional resources on the official Samsung website:

- **Samsung Official Website:** www.samsung.com
- **Product Support Page:** Search for 'OH55A-S' on the Samsung support portal for drivers, FAQs, and troubleshooting guides.