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› Samsung 32" OLED M9 (M90SF) Smart Monitor User Manual

Samsung LS32FM902SNXZA

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Model: LS32FM902SNXZA

INTRODUCTION

Welcome to the user manual for your new Samsung 32" OLED M9 (M90SF) Smart Monitor. This monitor is designed to provide a superior visual and interactive experience, combining the vibrant display of 4K QD-OLED technology with smart TV functionalities and advanced AI features. This manual will guide you through the setup, operation, maintenance, and troubleshooting of your monitor to ensure optimal performance and longevity.

The Samsung M9 Smart Monitor features a 165Hz refresh rate and 0.03ms response time for fluid visuals, integrated Smart TV Apps for direct content access, and a Gaming Hub for cloud gaming without a PC or console. It also incorporates Samsung Vision AI, including 4K AI Upscaling, AI Picture Optimizer, and Active Voice Amplifier Pro, to enhance your viewing and audio experience. For your convenience, a 4K built-in camera is included for crystal-clear video calls.



Figure 1: Samsung 32" OLED M9 Smart Monitor showcasing its smart interface.

WHAT'S IN THE BOX

Please check that all the following items are included in your product packaging:

- Samsung 32" OLED M9 Smart Monitor
- Power Cable
- Remote Control
- Batteries (for Remote Control)
- Stand (Base and Neck)
- User Manual (this document)

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

SETUP GUIDE

1. Assembling the Stand

1. Carefully remove the monitor and stand components from the packaging.
2. Attach the stand neck to the monitor panel. Ensure it clicks securely into place.
3. Attach the stand base to the stand neck. Tighten any screws if provided, ensuring a stable connection.

4. Place the assembled monitor on a stable, flat surface.



Figure 2: Rear view of the monitor with the stand.

2. Connecting Cables

Connect the necessary cables to the ports located on the rear of the monitor. Refer to Figure 3 for port identification.

- **Power:** Connect the power cable to the DC 24V port (6) and then to a wall outlet.
- **HDMI:** For connecting to a PC, game console, or other HDMI devices, use the HDMI IN port (3).
- **DisplayPort:** For connecting to a PC using DisplayPort, use the Display IN port (4).
- **USB Type-C:** For connecting to compatible devices for video, data, and power delivery, use the USB Type-C Upstream port (5).
- **USB Type-A:** For connecting peripherals like keyboards, mice, or USB drives, use the USB Type-A Downstream ports (1, 2).

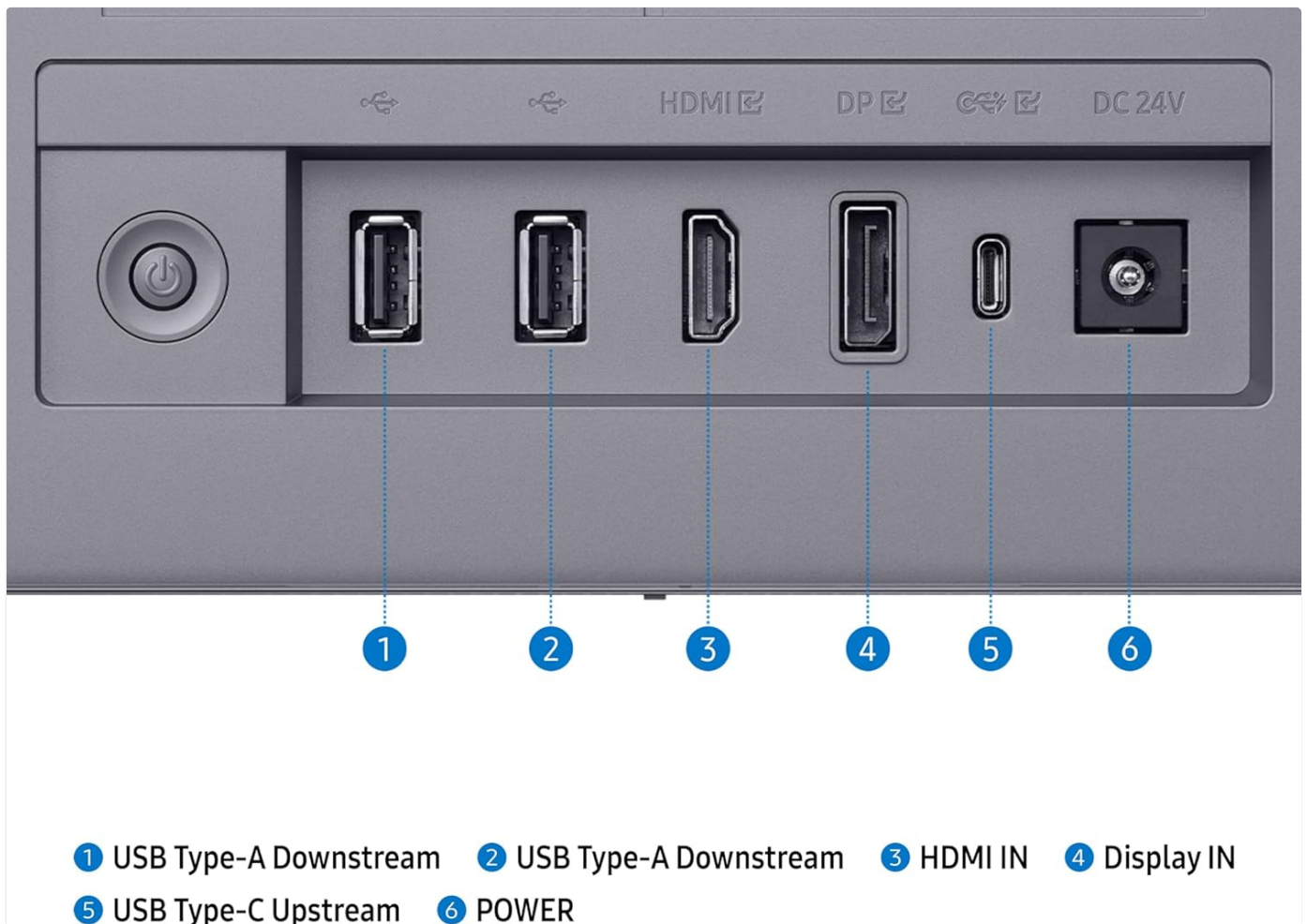


Figure 3: Rear panel connectivity ports.

3. Initial Power On and Setup

1. Press the power button located on the monitor to turn it on.
2. Follow the on-screen instructions to complete the initial setup, including language selection, network connection (Wi-Fi), and Samsung Account login. A Samsung Account is required for full access to smart features and streaming apps.
3. The monitor may prompt you to update its firmware. It is recommended to perform these updates for optimal performance and security.

OPERATING THE MONITOR

Using the Remote Control

The included remote control provides full access to the monitor's smart features, settings, and input selection.



Figure 4: Monitor with remote control.

Smart TV Apps and Gaming Hub

Access a wide range of streaming services and applications directly from your monitor. The Gaming Hub allows you to play games from top streaming partners without needing a separate PC or console.

- Navigate through the Smart Hub interface using the remote control.
- Select desired apps or games from the home screen.
- For Gaming Hub, ensure a stable internet connection and a compatible controller (sold separately) for the best experience.



4. ACTIVE VOICE AMPLIFIER PRO

Hear every word clearly with AI

Enjoy an unparalleled audio experience with AI technology. Active Voice Amplifier Pro uses advanced audio processing to analyze voices and background sounds in your content and ambient noises around the monitor — delivering every word with crystal clarity.*

* Utilizes AI-based formulas.

Figure 5: Samsung Gaming Hub interface.

Picture and Sound Optimization (Samsung Vision AI)

The monitor utilizes Samsung Vision AI for enhanced picture and sound quality.

- **4K AI Upscaling Pro:** Automatically upscales lower resolution content to near 4K quality.
- **AI Picture Optimizer:** Adapts visuals for optimal quality based on content (e.g., gaming, document, video). This feature is primarily available when using a PC connection.
- **Active Voice Amplifier Pro:** Analyzes voices and background sounds to deliver clear dialogue.

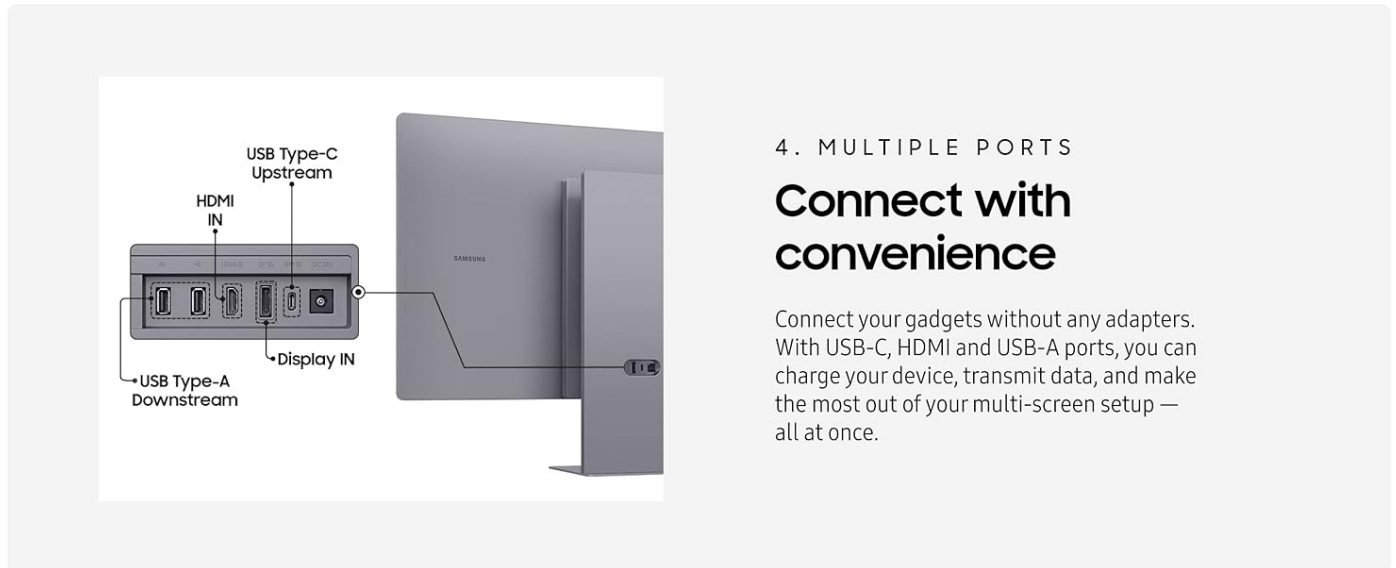


Figure 6: AI Picture Optimizer modes.

Ergonomic Adjustments

The monitor stand allows for various adjustments to optimize your viewing comfort.

- **Height Adjustment:** Adjust the monitor's vertical position.
- **Tilt:** Tilt the screen up or down to find the ideal viewing angle.
- **Pivot:** Rotate the screen 90 degrees for portrait viewing, useful for documents or web browsing.



Figure 7: Ergonomic adjustments (Pivot, Tilt, HAS).

MAINTENANCE

Cleaning the Monitor


- Always unplug the monitor from the power outlet before cleaning.
- Use a soft, lint-free cloth slightly dampened with water or a specialized screen cleaning solution.

- Do not spray liquid directly onto the screen or monitor casing.
- Avoid using abrasive cleaners, waxes, or solvents as they can damage the surface.

OLED Safeguard+ Features

Your Samsung OLED M9 monitor includes features designed to protect the OLED panel and prevent burn-in.

- **Dynamic Cooling System:** A built-in pulsating heat pipe helps diffuse heat and reduce core temperature.
- **Thermal Modulation System:** Algorithms automatically control brightness to prevent overheating.
- **Logo & Taskbar Detection:** Automatically reduces brightness of static images to prevent burn-in.
- **Screen Saver:** Dims the screen after 10 minutes of inactivity.



165HZ REFRESH RATE &
0.03MS RESPONSE TIME (GTG)

Experience smooth gameplay with supreme speed

Outmaneuver your opponents with ultra-smooth action. The 165Hz refresh rate minimizes lag, ensuring that your fast-paced games are fluid. Plus, OLED technology provides a near-instant 0.03ms GtG response time, delivering supreme speed for exhilarating gameplay.*

* Refresh rate and response time may vary based on the performance of the input source. Based on GtG measured under internal test conditions. Results may vary by content and monitor settings. GtG (Gray to Gray) measures the time taken for a monitor pixel to change from one gray value to another.

Figure 8: Dynamic Cooling System illustration.

TROUBLESHOOTING

If you encounter issues with your monitor, please refer to the following common problems and solutions before contacting customer support.

Problem	Possible Cause / Solution
No power / Monitor does not turn on.	<p>Ensure the power cable is securely connected to the monitor and the wall outlet.</p> <p>Check if the power outlet is working by plugging in another device.</p> <p>Press the power button on the monitor or remote control.</p>
No signal / Blank screen.	<p>Verify that the video cable (HDMI, DisplayPort, USB-C) is securely connected to both the monitor and the source device (PC, console).</p> <p>Ensure the correct input source is selected on the monitor using the remote control.</p> <p>Check if the source device is powered on and outputting a signal.</p>
Picture is distorted or colors are incorrect.	<p>Check the display resolution and refresh rate settings on your connected device. Ensure they are compatible with the monitor's capabilities (e.g., 3840x2160 at 165Hz).</p> <p>Reset the monitor's picture settings to default.</p> <p>Ensure the video cable is not damaged.</p>
Remote control is not working.	<p>Check and replace the batteries in the remote control.</p> <p>Ensure there are no obstructions between the remote control and the monitor's sensor.</p>

Problem	Possible Cause / Solution
Cannot connect to Wi-Fi.	<p>Ensure your Wi-Fi router is on and functioning correctly.</p> <p>Re-enter the Wi-Fi password, ensuring it is correct.</p> <p>Move the monitor closer to the router or reduce interference from other devices.</p> <p>Restart the monitor and the router.</p>

SPECIFICATIONS

Feature	Detail
Model Number	LS32FM902SNXZA
Screen Size	32 Inches
Display Technology	QD-OLED
Resolution	3840x2160 (4K UHD)
Refresh Rate	165Hz
Response Time (GtG)	0.03ms
Aspect Ratio	16:9
Connectivity	HDMI, DisplayPort, USB Type-C, USB Type-A, Wi-Fi, Bluetooth
Special Features	Built-In Speakers, Height Adjustment, High Dynamic Range, Multiple Voice Assistance, USB Hub, 4K Built-in Camera, Smart TV Apps, Gaming Hub, Samsung Vision AI
Product Dimensions (with stand)	7.9 x 28.2 x 23.7 inches
Item Weight	18.5 pounds

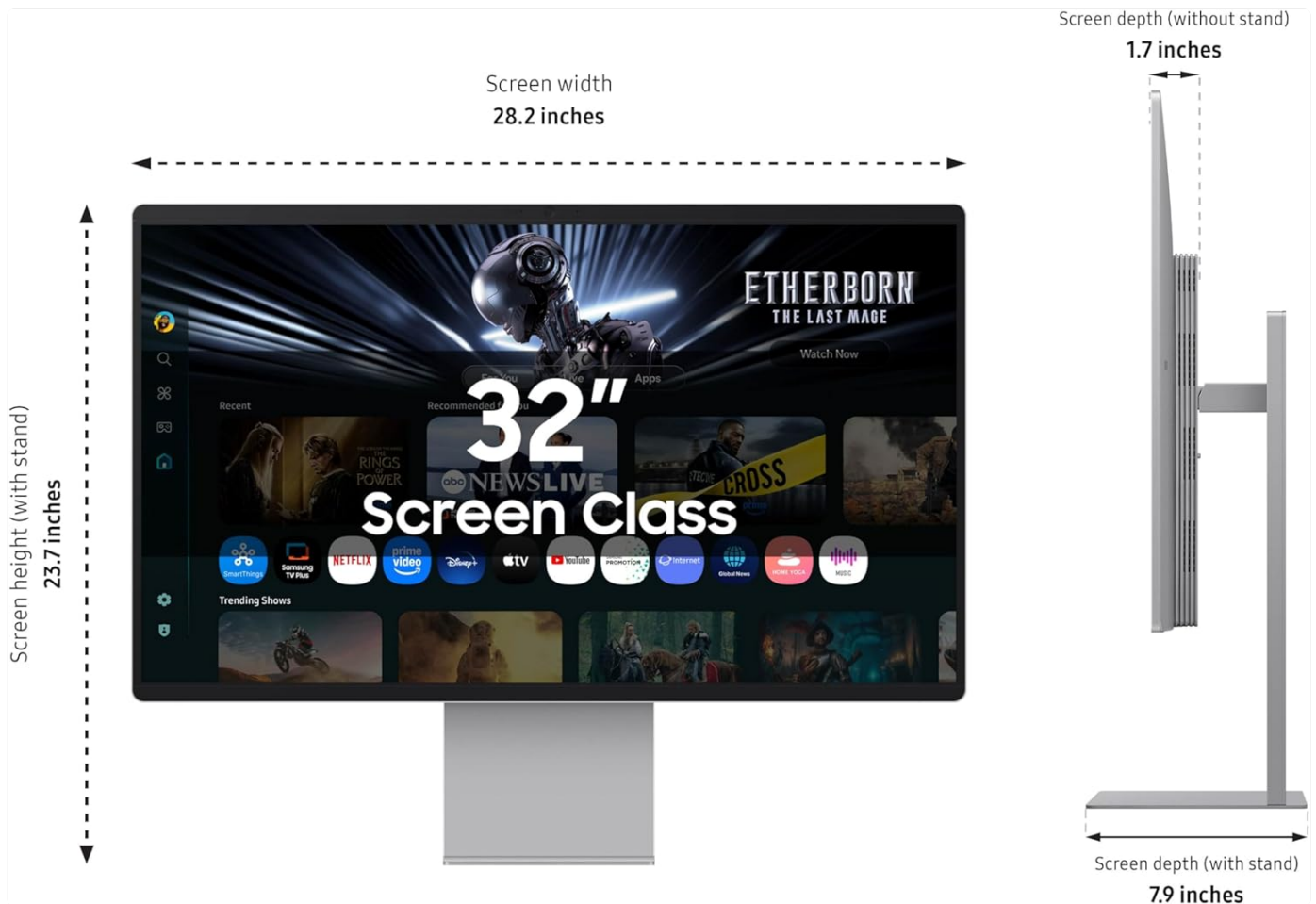


Figure 9: Monitor dimensions.

WARRANTY AND SUPPORT

Warranty Information

Your Samsung 32" OLED M9 Smart Monitor comes with a 3-year manufacturer's warranty. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official Samsung support website.

Protection plans are also available for extended coverage. For example, a 4-Year Protection Plan is available for purchase.

Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty service, please contact Samsung Customer Support.

- **Online Support:** Visit the official Samsung support website for FAQs, drivers, software downloads, and online chat support.
- **Phone Support:** Refer to the contact information provided in your product documentation or on the Samsung website for phone support numbers in your region.
- **User Manual (PDF):** A downloadable PDF version of the user manual is available for more comprehensive details. You can find it at: [Samsung M9 User Manual PDF](#)

