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## Samsung LS27AG320NNXZA

# SAMSUNG 27" Odyssey G32A Gaming Monitor (LS27AG320NNXZA) User Manual

Model: LS27AG320NNXZA

## INTRODUCTION

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This manual provides detailed instructions for the setup, operation, and maintenance of your Samsung 27" Odyssey G32A FHD Gaming Monitor. Please read this manual thoroughly before using the product to ensure proper and safe operation.

The Samsung Odyssey G32A monitor features a 165Hz refresh rate, 1ms MPRT response time, and AMD FreeSync Premium support for smooth gaming. It also includes Eye Saver Mode and Flicker Free technology for reduced eye strain during extended use. The ergonomic stand allows for height, swivel, tilt, and pivot adjustments, and the monitor is VESA mount compatible.

## SETUP

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### 1. Unpacking the Monitor

Carefully remove all components from the packaging. Ensure all items listed in the "What's in the Box" section are present. Keep the packaging materials for future transport or service needs.

#### What's in the Box:

- Samsung 27" Odyssey G32A Monitor
- Stand Base
- Stand Neck
- Power Adapter
- Power Cable
- DP Cable
- Quick Setup Guide
- Warranty Card

### 2. Assembling the Stand

1. Place the monitor face down on a soft, clean cloth to prevent scratches.
2. Attach the stand neck to the back of the monitor until it clicks into place.
3. Connect the stand base to the stand neck and secure it with the captive screw.



Rear view of the Samsung Odyssey G32A monitor with the stand assembled. The stand neck connects to the monitor back, and the base provides stability.



Front view of the Samsung Odyssey G32A monitor securely placed on its ergonomic stand.

### 3. Connecting Cables

Connect the necessary cables to the monitor and your computer or other devices. Ensure the monitor is powered off before connecting or disconnecting any cables.

- **Power Cable:** Connect the power adapter to the monitor's DC 19V port, then plug the power cable into the adapter and a wall outlet.
- **DisplayPort (DP) Cable:** For optimal performance, connect one end of the included DP cable to the monitor's DisplayPort IN and the other end to your computer's graphics card DisplayPort output.
- **HDMI Cable (Optional, not included):** If using HDMI, connect an HDMI cable to the monitor's HDMI IN port and your device's HDMI output.
- **Headphone:** Connect headphones to the Headphone IN port for audio output.



Detailed view of the monitor's input ports: DC 19V, Headphone IN, HDMI IN, DisplayPort IN, and USB/SERVICE port.

## 4. Powering On

After connecting all cables, press the power button located on the bottom center of the monitor to turn it on. The power indicator light will illuminate.

## OPERATING THE MONITOR

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### 1. Basic Controls (OSD Menu)

The monitor's On-Screen Display (OSD) menu is controlled by a joystick button located on the bottom center of the monitor. Press the joystick to access the main menu, then navigate using the joystick (up, down, left, right) to select and adjust settings.

- **Press:** Power On/Off, Enter menu/Confirm selection.
- **Up/Down:** Navigate menu options.
- **Left/Right:** Adjust values or navigate sub-menus.

### 2. Adjusting Display Settings

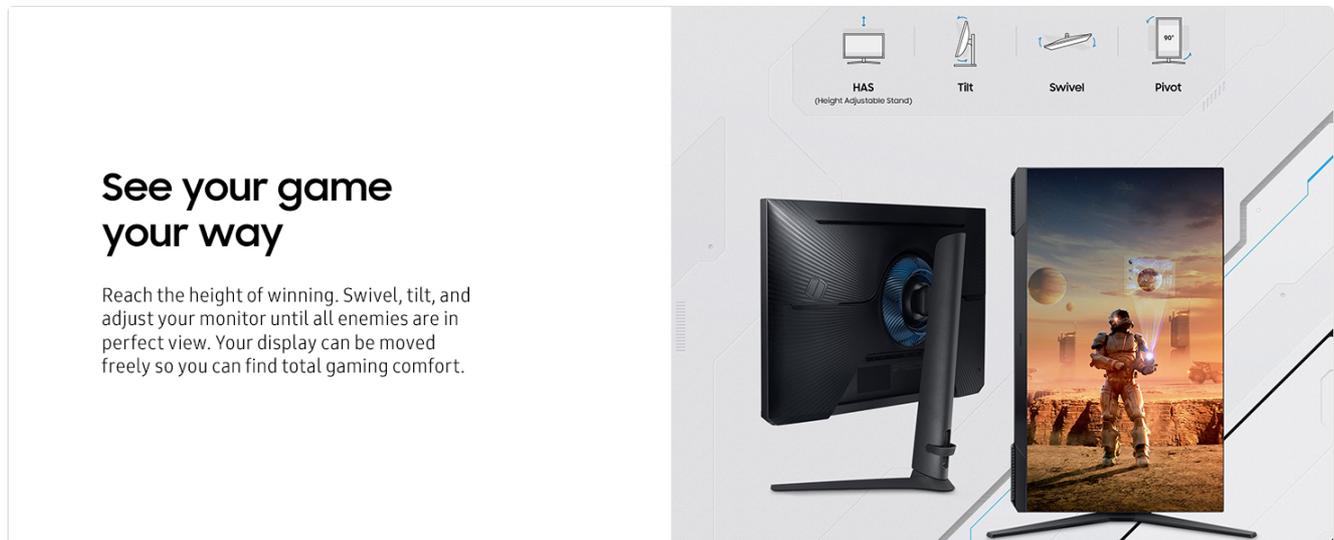
Access the OSD menu to customize your viewing experience.

- **Refresh Rate:** Navigate to Picture > Refresh Rate. Select 165Hz for the smoothest motion in games. Ensure your graphics card settings are also configured for 165Hz.
- **Response Time (MPRT):** Adjust the response time setting in the OSD menu to minimize motion blur. The 1ms MPRT setting provides near-instant pixel changes.
- **AMD FreeSync Premium:** Enable FreeSync Premium in the OSD menu (Game > FreeSync Premium) and in your graphics card control panel to synchronize the monitor's refresh rate with your GPU's frame rate, reducing screen tearing and stuttering.
- **Eye Saver Mode:** Activate Eye Saver Mode (Picture > Eye Saver Mode) to reduce blue light emissions, which can help decrease eye fatigue during long viewing sessions.
- **Flicker Free:** This technology is continuously active to reduce screen flickering, providing a more comfortable viewing experience.

### 3. Ergonomic Adjustments

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

- **Height Adjustment:** Gently push or pull the monitor up or down to achieve your desired height.
- **Tilt:** Tilt the screen forward or backward to find the best viewing angle.
- **Swivel:** Rotate the monitor left or right on its base.
- **Pivot:** Rotate the screen 90 degrees to switch between landscape and portrait orientation.



Illustrations demonstrating the ergonomic adjustments: Height Adjustable Stand (HAS), Tilt, Swivel, and Pivot functions.

## MAINTENANCE

### 1. Cleaning the Monitor

- Always unplug the monitor from the power outlet before cleaning.
- Use a soft, lint-free cloth lightly dampened with water or a specialized screen cleaner.
- Do not spray cleaner directly onto the screen.
- Avoid using abrasive cleaners, waxes, or solvents.

### 2. General Care

- Avoid placing heavy objects on the monitor or its cables.
- Do not expose the monitor to direct sunlight, excessive heat, or extreme cold.
- Keep the monitor away from liquids and excessive dust.
- Ensure adequate ventilation around the monitor to prevent overheating.

## TROUBLESHOOTING

If you encounter issues with your monitor, refer to the following common problems and solutions.

Problem	Possible Solution
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Problem	Possible Solution
No display on screen	<p>Ensure the power cable is securely connected to the monitor and a power outlet.</p> <p>Verify the video cable (DP or HDMI) is firmly connected to both the monitor and your computer.</p> <p>Check if the monitor is turned on.</p> <p>Select the correct input source using the OSD menu.</p>
Screen flickering or unstable image	<p>Ensure the video cable is properly connected.</p> <p>Adjust the refresh rate in your computer's display settings to match the monitor's supported rates (e.g., 165Hz).</p> <p>Enable AMD FreeSync Premium in the OSD menu and your graphics card settings.</p> <p>Check for nearby electrical devices that might cause interference.</p>
Colors appear incorrect	<p>Reset the monitor to factory default settings via the OSD menu.</p> <p>Adjust color settings (brightness, contrast, color temperature) in the OSD menu.</p> <p>Ensure your graphics card drivers are up to date.</p>
Monitor turns off randomly	<p>Check power cable connections.</p> <p>Disable any power-saving features on your computer or monitor that might be causing it to sleep.</p> <p>Ensure the monitor has adequate ventilation.</p>

## SPECIFICATIONS

Feature	Detail
Brand	Samsung
Model Number	LS27AG320NNXZA
Screen Size	27 Inches
Resolution	1920 x 1080 (FHD 1080p)
Max Screen Resolution	1920 x 1080 Pixels
Refresh Rate	165Hz
Response Time	1ms (MPRT)
Aspect Ratio	16:9
Adaptive Sync Technology	AMD FreeSync Premium
Eye Comfort Features	Eye Saver Mode, Flicker Free
Ergonomics	Height Adjustable Stand (HAS), Tilt, Swivel, Pivot
VESA Mount Compatible	Yes
Connectivity	1x DisplayPort, 1x HDMI, Headphone Out, USB/SERVICE

Feature	Detail
Color	Black
Item Weight	10.6 pounds
Product Dimensions (LxWxH)	9.2 x 24.3 x 20.5 inches

## WARRANTY INFORMATION

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This Samsung monitor is covered by a limited warranty. Specific warranty terms and conditions may vary by region and purchase date. Please refer to the warranty card included in your product packaging or visit the official Samsung website for detailed information regarding warranty coverage, duration, and service procedures. Keep your proof of purchase (receipt or invoice) as it will be required for any warranty claims.

## SUPPORT

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For further assistance, technical support, or to download the full user manual, please visit the official Samsung support website:

[Samsung Support Website](#)

You can also contact Samsung customer service directly through their website for personalized support.