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Samsung LS27FG60DENXZA

Samsung 27-inch Odyssey G6 G60F QHD Gaming Monitor User Manual

Model: LS27FG60DENXZA

1. PRODUCT OVERVIEW

The Samsung 27-inch Odyssey G6 QHD Gaming Monitor (Model LS27FG60DENXZA) is designed to provide a high-performance visual experience. It features QHD resolution (2560 x 1440) for detailed images, a Fast IPS panel for consistent color accuracy, and VESA DisplayHDR™ 400 for enhanced contrast. With a 350Hz refresh rate and 1ms (GtG) response time, it minimizes lag for responsive gameplay. G-Sync compatibility and AMD FreeSync™ Premium ensure smooth, tear-free visuals. The monitor also includes Auto Source Switch+ for seamless device switching and an ergonomic stand for adjustable viewing comfort.



Figure 1.1: Front view of the Samsung Odyssey G6 G60F monitor.

2. SETUP INSTRUCTIONS

2.1. Unboxing and Package Contents

Carefully remove all components from the packaging. Ensure all items listed below are present:

- Monitor Unit
- Power Cable
- HDMI Cable
- DP Cable

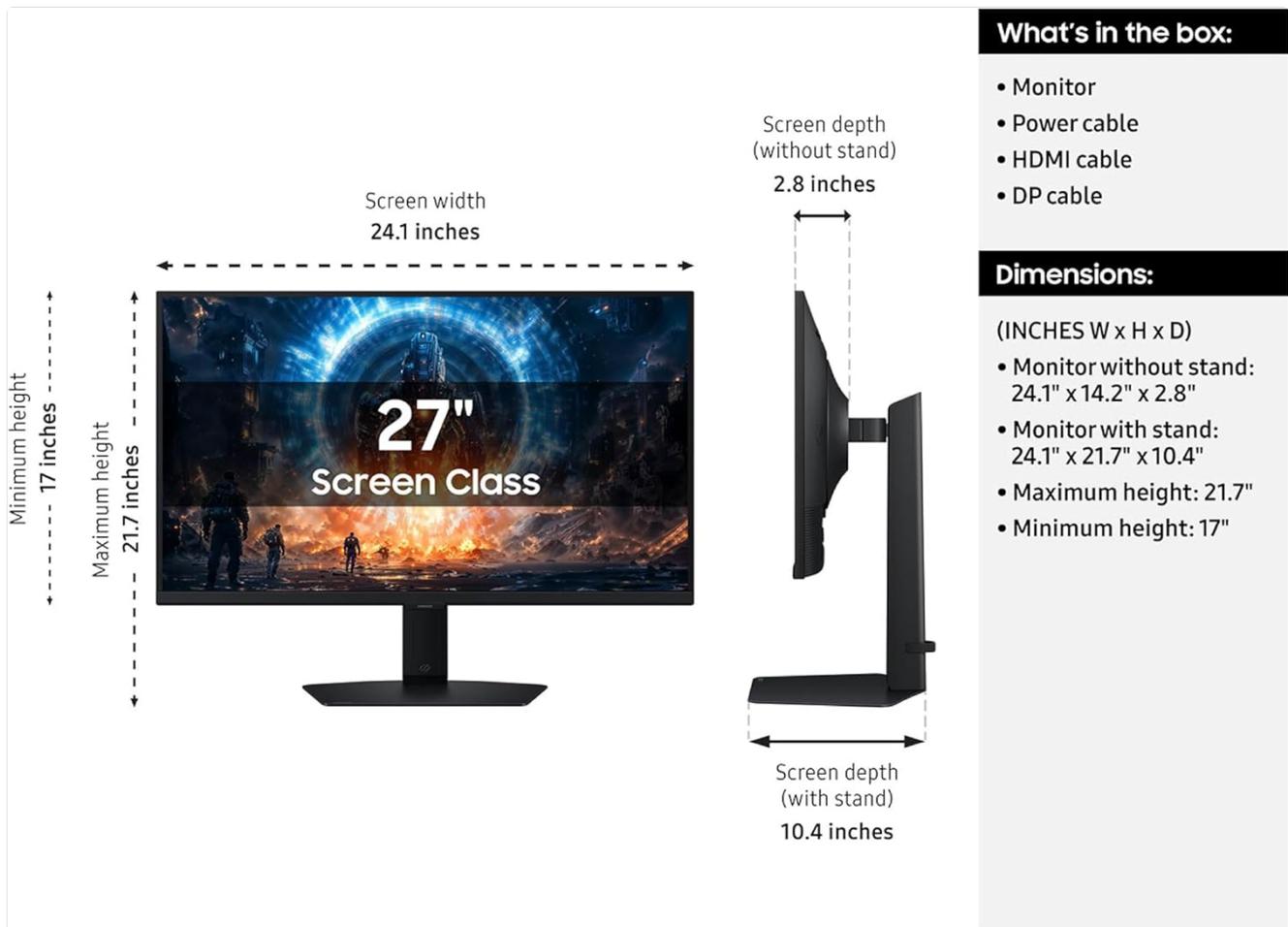


Figure 2.1: Monitor dimensions and included accessories.

2.2. Stand Assembly

1. Place the monitor screen face down on a soft, clean cloth to prevent scratches.
2. Attach the stand neck to the monitor using the provided screws.
3. Attach the stand base to the stand neck, securing it with the thumb screw.
4. Carefully lift the monitor and place it on a stable, flat surface.

2.3. Connecting Cables

Connect the necessary cables to the monitor's rear ports. Refer to the port diagram below:

1. **Headphone OUT:** Connect headphones or external speakers.
2. **HDMI IN:** Connect to a device using an HDMI cable.
3. **DP IN:** Connect to a device using a DisplayPort cable.
4. **SERVICE:** USB port for service and firmware updates.
5. **POWER:** Connect the power adapter.



1 Headphone OUT 2 HDMI IN 3 DP IN 4 SERVICE 5 POWER

Figure 2.2: Rear port connections.

After connecting all cables, plug the power cable into an electrical outlet.

3. OPERATING INSTRUCTIONS

3.1. Power On/Off

Press the power button located on the bottom center of the monitor to turn it on or off. The power indicator light will illuminate when the monitor is active.

3.2. Menu Navigation

Use the joystick button on the bottom center of the monitor to access and navigate the On-Screen Display (OSD) menu. Push the joystick in to select an option, and move it up, down, left, or right to navigate.

3.3. Picture Settings

Adjust picture settings such as brightness, contrast, sharpness, and color temperature through the OSD menu to optimize your viewing experience. The monitor supports QHD resolution (2560 x 1440) for high detail.

QHD
Boost your game with lifelike visuals

Step into a game world that's more vivid and immersive than ever before. With 1.7 times the pixel density of Full HD (1920x1080), QHD resolution (2560x1440) boasts incredibly detailed, pin-sharp images. Now you can take in the action in more detail on the same-sized screen.

Figure 3.1: QHD resolution provides enhanced visual detail.

3.4. Gaming Features

- **350Hz Refresh Rate & 1ms Response Time (GtG):** These settings minimize input lag and motion blur, providing smooth and fluid visuals for fast-paced gaming.



Secure wins with smoothness and fluidity

React fast and stay ahead of the competition with peak gaming performance. The 350Hz refresh rate minimizes lag and delivers split-second responsiveness, while the near-instant 1ms response time (GtG) ensures that moves are captured in real-time for unbeatable gaming precision.*

* Refresh rate and response time may vary based on the performance of the input source. '1ms' means one millisecond, which is the average response time range between 1.00ms and 1.99ms, truncated to a whole number. Based on GtG measured under internal test conditions. Results may vary by content and monitor settings (Requires 'Extreme mode' setting). GtG (Gray to Gray) measures the time taken for a monitor pixel to change from one gray value to another.

Figure 3.2: High refresh rate and low response time for smooth gameplay.

- **Fast IPS Panel:** Delivers vivid colors and wide viewing angles (178°) for consistent image quality from various positions.



Vivid colors across the whole screen

Enjoy realistic game scenes with the Fast IPS panel. The 178° wide viewing angle accurately delivers clear, crisp hues that stay consistent from various viewpoints, while quick response time reduces motion blur and ghosting — providing an engaging gaming experience.

Figure 3.3: Wide viewing angles with Fast IPS technology.

- **NVIDIA G-Sync Compatible & AMD FreeSync™ Premium:** These technologies synchronize the monitor's refresh rate with your GPU's frame rate to eliminate screen tearing and stuttering. Enable these features in your graphics card settings.

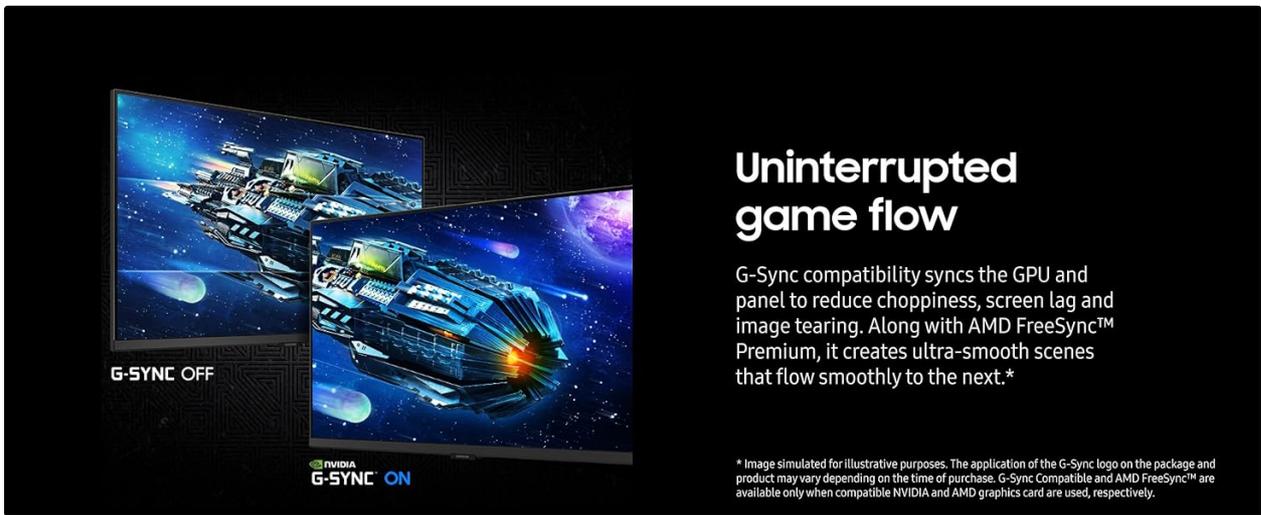


Figure 3.4: G-Sync and FreeSync for tear-free gaming.

- **Auto Source Switch+:** This feature automatically detects when a connected device is turned on and switches the monitor input to that source without manual intervention.

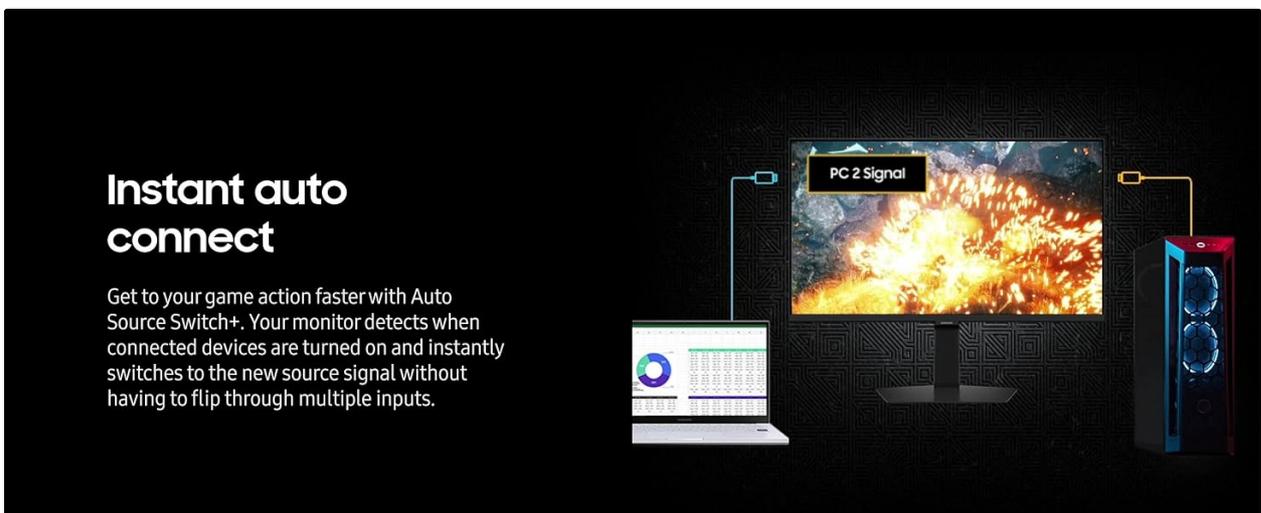


Figure 3.5: Auto Source Switch+ functionality.

- **VESA DisplayHDR™ 400:** Enhances brightness and contrast, revealing more detail in both bright and dark scenes.

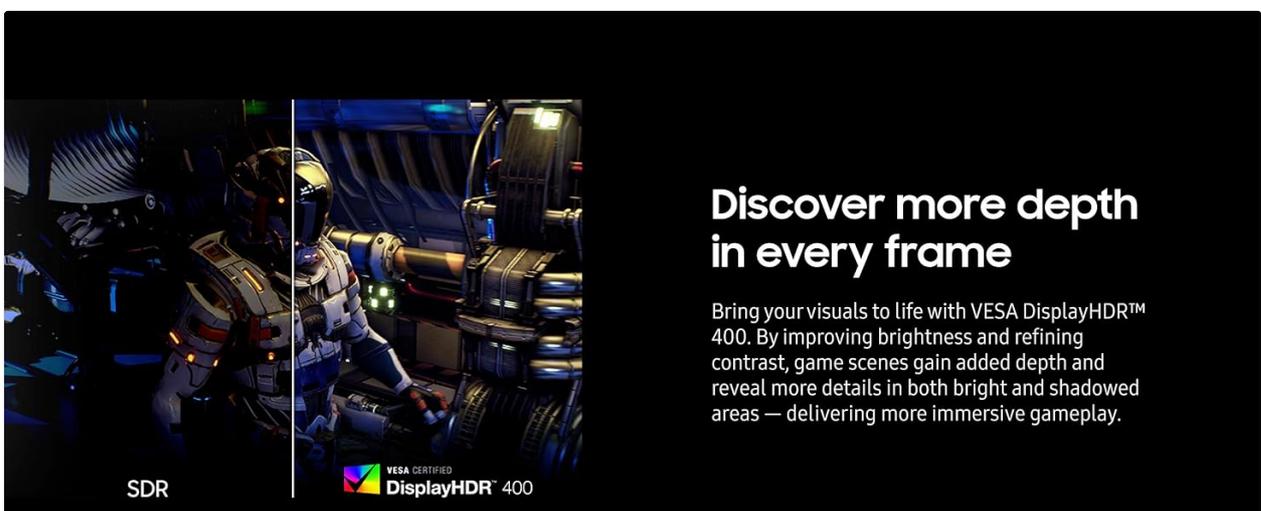


Figure 3.6: VESA DisplayHDR™ 400 for enhanced depth.

3.5. Ergonomic Stand Adjustments

The monitor's ergonomic stand allows for various adjustments to optimize viewing comfort:

- **Height Adjustment (HAS):** Raise or lower the monitor to eye level.
- **Tilt:** Adjust the screen's vertical angle (forward or backward).
- **Swivel:** Rotate the screen horizontally.
- **Pivot:** Rotate the screen to portrait orientation.

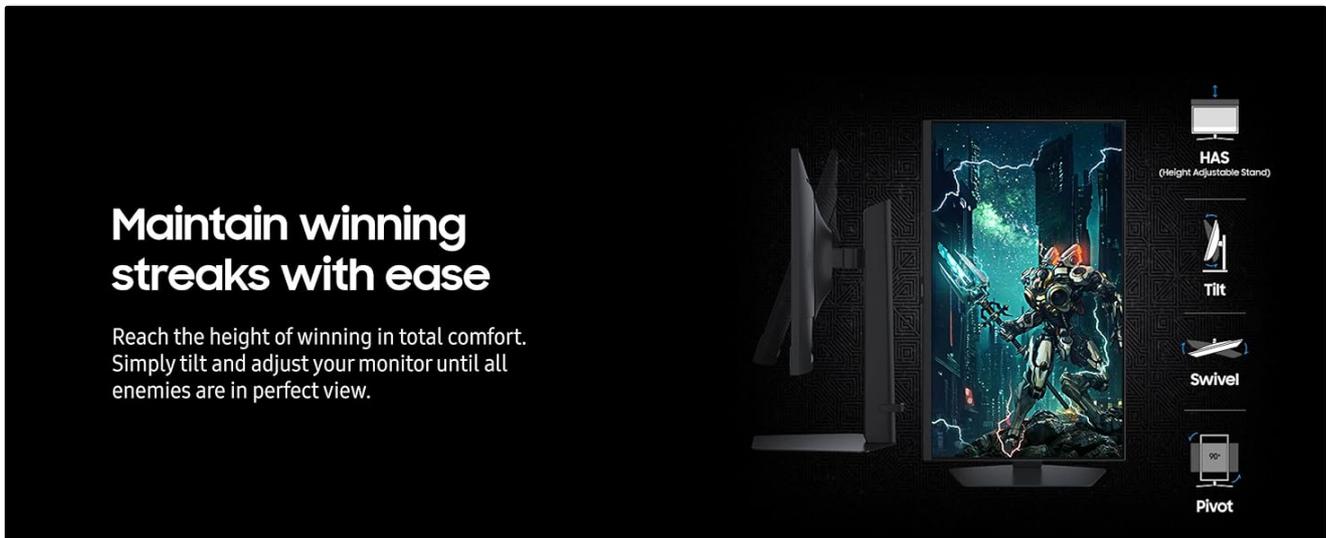


Figure 3.7: Ergonomic stand adjustments.

4. MAINTENANCE

4.1. Cleaning the Monitor

To clean the monitor screen, gently wipe it with a soft, lint-free cloth. For stubborn marks, lightly dampen the cloth with water or a specialized screen cleaner. Avoid using harsh chemicals, abrasive materials, or spraying liquid directly onto the screen.

4.2. General Care

Keep the monitor in a well-ventilated area, away from direct sunlight, heat sources, and excessive dust. Avoid placing heavy objects on the monitor or its cables. When moving the monitor, handle it carefully and avoid applying pressure to the screen.

5. TROUBLESHOOTING

5.1. No Display / Black Screen

- Ensure the power cable is securely connected to both the monitor and the power outlet.
- Verify that the video cable (HDMI or DisplayPort) is firmly connected to both the monitor and your

computer/device.

- Check if the monitor is set to the correct input source via the OSD menu.
- Restart your computer/device.

5.2. Image Quality Issues

- If the image is blurry or distorted, check the display resolution settings on your computer and ensure they match the monitor's native QHD (2560x1440) resolution.
- Adjust brightness, contrast, and sharpness settings in the OSD menu.
- If screen tearing occurs, ensure G-Sync or FreeSync is enabled in your graphics card control panel and on the monitor (if applicable).

5.3. No Sound

- Ensure external speakers or headphones are properly connected to the monitor's headphone output.
- Check the volume settings on both the monitor and your connected device.

6. TECHNICAL SPECIFICATIONS

| Feature | Specification |
|-----------------------|---|
| Brand | Samsung |
| Model Number | LS27FG60DENXZA |
| Screen Size | 27 Inches |
| Screen Resolution | 2560 x 1440 (QHD) |
| Max Screen Resolution | 2560 x 1440 Pixels |
| Refresh Rate | 350Hz |
| Response Time | 1ms (GtG) |
| Panel Type | Fast IPS |
| HDR Support | VESA DisplayHDR™ 400 |
| Adaptive Sync | NVIDIA G-Sync Compatible, AMD FreeSync™ Premium |
| Aspect Ratio | 16:9 |
| Screen Surface | Matte |
| Color | Black |
| Item Weight | 14.1 pounds |

| Feature | Specification |
|----------------------------|------------------------------|
| Product Dimensions (LxWxH) | 10.37 x 24.13 x 21.73 inches |
| Voltage | 240 Volts |

7. WARRANTY AND SUPPORT

7.1. Warranty Information

This product is covered by Samsung's standard limited warranty. Please refer to the warranty card included with your product or visit the official Samsung website for detailed terms and conditions, including warranty duration and coverage.

7.2. Customer Support

For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact Samsung Customer Support. You can find contact information (phone numbers, chat support, and service center locations) on the official Samsung support website:

Visit: www.samsung.com/us/support/