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Samsung FBASAMLS55BG970N

SAMSUNG 55-inch Odyssey Ark 4K UHD 165Hz Curved Quantum Mini LED Gaming Monitor User Manual

Model: FBASAMLS55BG970N

INTRODUCTION

Welcome to the user manual for your new SAMSUNG 55-inch Odyssey Ark Gaming Monitor. This guide provides essential information for setting up, operating, maintaining, and troubleshooting your monitor to ensure an optimal experience. The Odyssey Ark features a 55-inch, 1000R curved screen, 165Hz refresh rate, 1ms (GTG) response time, and Quantum Mini-LED technology for immersive gaming and cinematic experiences.



Figure 1: Front view of the Samsung Odyssey Ark Gaming Monitor, showcasing its curved display.

SETUP

Unboxing and Physical Assembly

Due to the size and weight of the Odyssey Ark, it is highly recommended to have two people for unboxing and assembly. Carefully remove the monitor from its packaging. Lay the monitor face down (while still in its protective styrofoam) to attach the stand. Once assembled, lift the monitor by its base and place it on a sturdy desk or surface.

Connecting the One Connect Box

The Odyssey Ark utilizes a One Connect Box, which serves as a central hub for all external connections. Connect the One Connect cable from the monitor to the One Connect Box. Ensure all cables are securely plugged in.

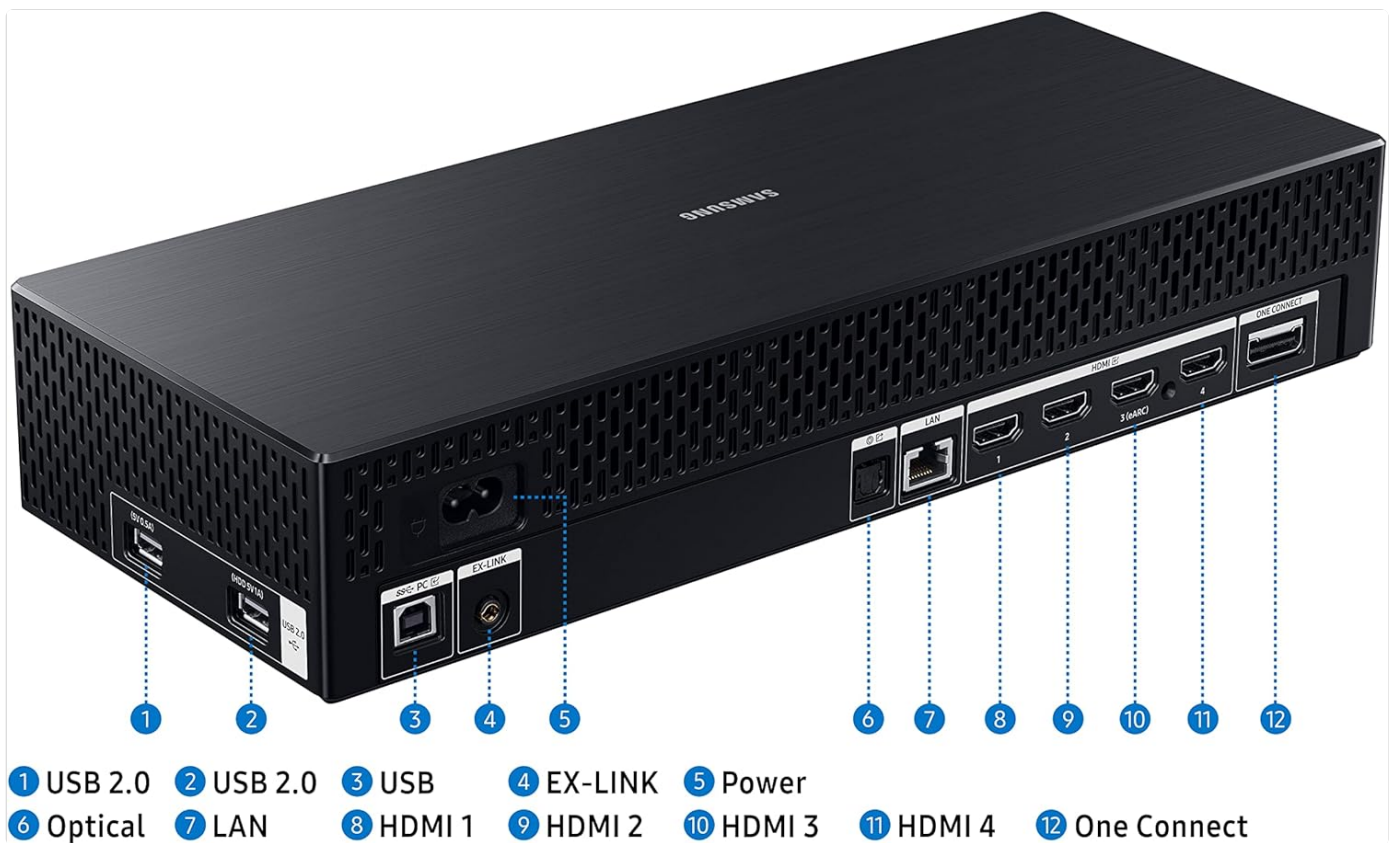


Figure 2: Detailed view of the One Connect Box, illustrating various input ports including HDMI, USB, Optical, and LAN.

Initial Power-On and Firmware Update

After connecting all necessary cables, power on the monitor. It is recommended to connect an Ethernet cable to the One Connect Box for internet access. This allows the monitor to automatically check for and install the latest firmware updates, which are crucial for optimal performance and resolving potential issues.

Driver Installation and Display Settings

For PC users, download and install the latest Samsung monitor drivers from the official Samsung support website. Connect a USB-A to USB-B 2.0 cable (not provided) from your PC to the One Connect Box for full functionality. Ensure your graphics card supports HDMI 2.1 for 4K resolution at 165Hz and HDR. It is often recommended to connect your PC to HDMI 3 on the One Connect Box for best results. Adjust HDR settings and color calibration within your operating system for desired visual quality.

OPERATING THE MONITOR

Ark Dial Controller

The Odyssey Ark comes with an exclusive Ark Dial controller, which is solar-powered and provides quick access to various functions including Flex Move Screen, Multi View, Quick Settings, and Game Bar. A standard Samsung smart remote is also included.



Figure 3: The Ark Dial controller, designed for intuitive navigation and control of monitor features.

Cockpit Mode

The monitor can be rotated to Cockpit Mode (vertical orientation) using its HAS (Height Adjustable Stand), tilt, and pivot functionality. To activate, lift the monitor to its full height and rotate. You will need to manually change the display settings in your operating system from landscape to portrait mode.



Figure 4: The Odyssey Ark displayed in its vertical 'Cockpit Mode', offering a unique viewing experience.

Multi View Feature

The Multi View feature allows you to utilize up to four screens simultaneously on the 55-inch display. This is ideal for multitasking, allowing you to game, stream, and browse content all on one screen. Note that in Cockpit Mode, Multi View can only show up to 3 screens. Game Mode, VRR, and Cloud Game are not supported while in Multi View mode. Refresh rates of up to 120Hz are supported for external inputs in Multi View mode.

Gaming Hub and Smart TV Features

The integrated Gaming Hub provides access to top streaming services and cloud gaming platforms. Built-in apps like YouTube and Samsung TV Plus offer a comprehensive Smart TV experience. Accessing Gaming Hub is free, though subscriptions may be required for content from game-stream providers.

Audio and Visual Enhancements

The monitor features Sound Dome Technology with four corner speakers and two central woofers, producing a 60W 2.2.2 channel sound system. AI Sound Booster and Dolby Atmos enhance the immersive audio experience. Quantum Mini-LED technology provides exceptional picture quality with enhanced depth and a 1,000,000:1 contrast ratio. The Neural Quantum Processor Ultra provides an AI-enhanced 4K cinematic experience. The sAGAR (Super Anti-Glare, Anti-Reflection) film on the matte screen minimizes glare for improved focus.

Gaming Performance

Experience ultra-smooth action with a 165Hz refresh rate and 1ms (GTG) response time. AMD FreeSync Premium Pro support ensures stable and stutter-free gameplay by syncing the GPU and panel to virtually eliminate choppiness, screen-lag, and image tears. The Game Bar allows for quick adjustments to settings like FPS, HDR, VRR, response time, and screen ratio.

Video Demonstrations

The following videos demonstrate various aspects of the Odyssey Ark's display capabilities:

Odyssey Ark - How to Film Text: Stage 3

This video, provided by the vendor, demonstrates advanced techniques for filming text displayed on the Odyssey Ark monitor, showcasing its clarity and visual fidelity.

Odyssey Ark - How to Film Text: Stage 2

This vendor-provided video illustrates intermediate methods for capturing text on the Odyssey Ark, highlighting the monitor's sharp text rendering.

Odyssey Ark - How to Film Text: Stage 1

This introductory video from the vendor demonstrates basic techniques for filming text on the Odyssey Ark, emphasizing its clear display for various content.

MAINTENANCE

Cleaning the Monitor

To clean the screen, gently wipe it with a soft, lint-free cloth. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaning solution. Avoid using harsh chemicals or abrasive materials. For the monitor body and stand, use a dry or slightly damp cloth.

Firmware Updates

Regularly check for and install firmware updates to ensure your monitor has the latest features and bug fixes. You can typically find update options in the monitor's settings menu or on the Samsung support website. It is advisable to disable auto-updates if you prefer to research potential issues with new firmware versions before installing them.

TROUBLESHOOTING

- **No Display or Intermittent Black Screen:** Ensure all cables, especially the One Connect cable and HDMI cables, are securely connected. Verify that your graphics card drivers are up to date. If using the One Connect Box, ensure it is receiving power and functioning correctly. Some users have reported intermittent black screens or audio drops related to the One Connect Box, which may require a service check.
- **Washed Out HDR Colors:** If HDR colors appear washed out after a firmware update, this may be a known issue with specific firmware versions. Check Samsung's support forums for potential workarounds or subsequent firmware releases that address this.
- **Local Dimming Issues / Color Offset:** If you observe color inaccuracies or unintended dimming in dark areas, particularly with dark mode applications or wallpapers, this can be related to the local dimming feature. Try adjusting the local dimming settings in the monitor's menu or consider using brighter wallpapers/themes if the issue persists.
- **Multi-Input/Multi-Screen Limitations:** The Odyssey Ark's Multi View feature has specific limitations, such as not supporting Game Mode, VRR, or Cloud Game, and a maximum of 3 screens in Cockpit Mode. It also does not support multiple HDMI inputs simultaneously in the same way some other monitors might. Ensure your usage aligns with the stated capabilities.
- **165Hz Not Achieved (PC):** Verify that your graphics card and HDMI cable (HDMI 2.1 compliant) support 4K at 165Hz. Ensure the refresh rate is set correctly in your operating system's display settings. Check for any known driver bugs from your graphics card manufacturer that might limit the refresh rate (e.g., some Nvidia drivers previously limited 4K to 120Hz).

SPECIFICATIONS

Feature	Specification
Brand	Samsung
Model Number	FBASAMLS55BG970N
Screen Size	55 Inches
Screen Resolution	3840x2160 (4K UHD)
Max Screen Resolution	3840 x 2160 Pixels
Refresh Rate	165Hz
Response Time	1ms (GTG)
Curvature	1000R
Display Technology	Quantum Mini LED
Aspect Ratio	16:9
Screen Surface	Glossy (with sAGAR Anti-Glare film)
Item Weight	92.6 pounds
Product Dimensions (LxWxH)	15 x 46.3 x 43.4 inches

Power Source	AC (240 Volts)
USB Ports	2 x USB 2.0, 2 x USB 3.0

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or visit the official Samsung support website. Protection plans are available for extended coverage, including 3-Year and 4-Year options, as well as a monthly Complete Protect plan.

You can also find the official User Manual (PDF) for this product at:

<https://manuals.plus/m/0d5dbca83eb6702e660c1144926baa4da3830f9cb4f79b5c60f4b788e30a2fe8>