DOUGH ES07E91

Dough Spectrum Black 32-inch 4K 240Hz Dual-Mode OLED Monitor Instruction Manual

Model: ES07E91

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your Dough Spectrum Black 32-inch 4K 240Hz Dual-Mode OLED Monitor. Please read this manual thoroughly before using the product to ensure optimal performance and longevity.

The Dough Spectrum Black 32-inch monitor features advanced WOLED technology, delivering a 4K resolution at 240Hz. It also offers a high-speed mode for 1080p at up to 480Hz, catering to both high-fidelity visuals and competitive gaming. The display incorporates Corning Gorilla Glass for enhanced clarity and durability, along with a robust cooling system and image retention prevention features to prolong its lifespan.

2. SAFETY INFORMATION

- Read all instructions before operating the monitor.
- Keep the monitor away from water or excessive moisture.
- Do not place the monitor on an unstable cart, stand, or table.
- Ensure proper ventilation. Do not block any ventilation openings.
- Use only the power adapter supplied by the manufacturer.
- Unplug the monitor during lightning storms or when unused for long periods.
- Refer all servicing to qualified service personnel.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Dough Spectrum Black 32-inch Monitor

- Monitor Stand (Base and Neck)
- Power Adapter
- Power Cable
- HDMI Cable
- DisplayPort Cable
- USB-C Cable (for service port)
- Quick Start Guide

4. Setup

4.1 Physical Assembly

1. Carefully remove the monitor and all 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 necessary (some models may feature tool-less assembly).

Figure 1: Front view of the Dough Spectrum Black 32-inch monitor with its stand.

4.2 Connecting Cables

Connect the necessary cables to the monitor's rear ports. The monitor features HDMI 2.1, DisplayPort 1.4, and a USB-C service port.

Figure 2: Rear view of the monitor highlighting the input ports including HDMI, DisplayPort, and USB-C.

- **Power Connection:** Connect the power cable to the power adapter, then to the monitor's power input, and finally to a power outlet.
- **Video Input:** Connect your computer or gaming console to the monitor using either an HDMI 2.1 cable or a DisplayPort 1.4 cable.
- **USB-C Service Port:** This port is exclusively for firmware updates.

4.3 Initial Power On

Press the power button located on the bottom of the monitor to turn it on. The monitor will automatically detect the active video input.

5. OPERATING THE MONITOR

5.1 On-Screen Display (OSD) Navigation

The monitor's settings are accessed via a single joystick button located on the bottom center of the monitor. Press the joystick to open the OSD menu. Move the joystick up, down, left, or right to navigate through the options, and press it again to select an item.

5.2 Adjusting Settings

Within the OSD, you can adjust various settings:

- **Picture:** Adjust brightness, contrast, sharpness, gamma, and color temperature.

- **Game Adjust:** Configure game-specific settings like Game Mode, Dual-Mode, VRR (Variable Refresh Rate), Black Stabilizer, Crosshair, and FPS Counter.
- **Input:** Manually select the video input source.
- **General:** Access general monitor settings and information.

5.3 Dual-Mode Operation

The monitor supports a Dual-Mode feature, allowing you to switch between 4K at 240Hz and 1080p at up to 480Hz. This can be accessed through the OSD menu under 'Game Adjust' or via a dedicated button on the back of the monitor for quick switching.

Video: Overview of the Dough Spectrum Black 32-inch Monitor, demonstrating its features and menu navigation.

5.4 Audio Output

The monitor includes built-in speakers. Volume can be adjusted through the OSD menu or by moving the joystick left and right when the OSD is not active.

6. FEATURES

- **WOLED Technology:** Experience immersive visuals with deep blacks and vibrant colors at 4K resolution and 240Hz refresh rate.
- **High-Speed Mode:** Achieve up to 480Hz refresh rate at 1080p resolution for competitive gaming.
- **Corning Gorilla Glass:** The display features Corning Gorilla Glass, enhancing clarity and reducing reflections for sharp details and vibrant colors.
- **Image Retention Prevention:** The monitor includes several features and a specialized cooling system with an aluminum housing to mitigate image retention (burn-in) and extend panel lifespan.
- **Connectivity:** Equipped with HDMI 2.1 and DisplayPort 1.4 inputs for broad compatibility.
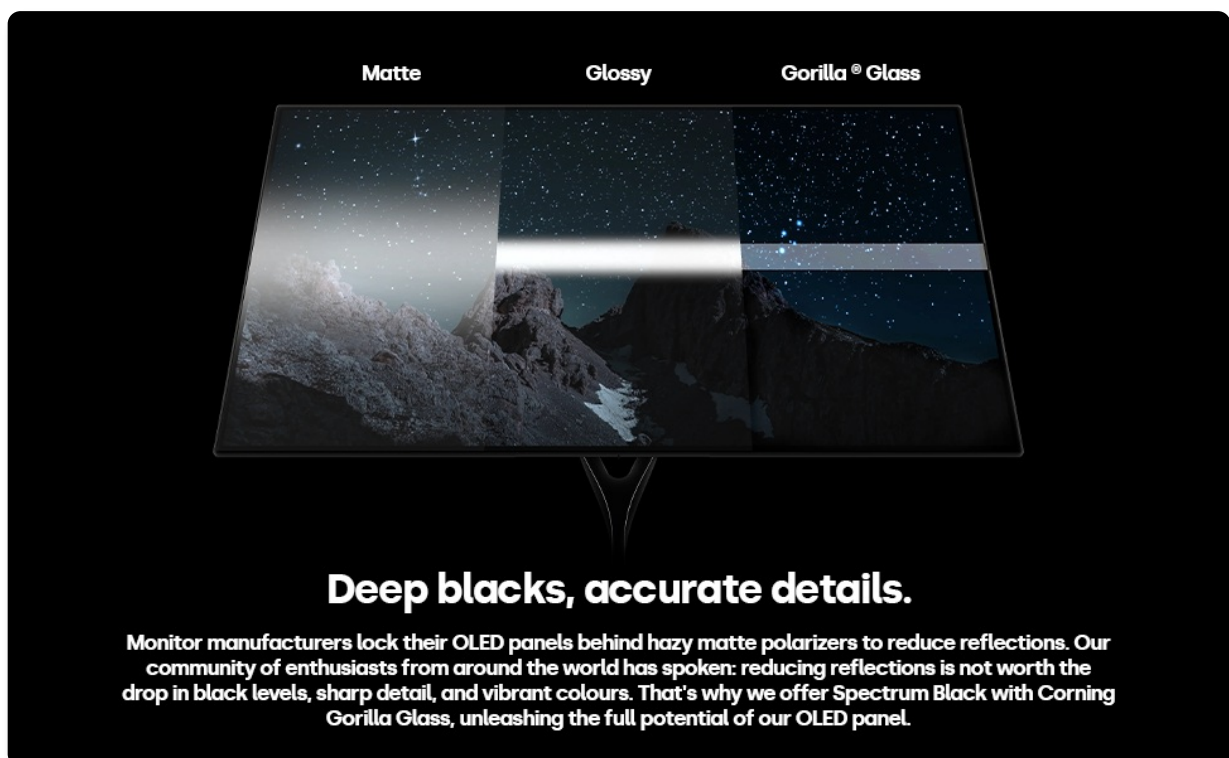

Figure 3: Visual comparison demonstrating the clarity and deep blacks achieved with Corning Gorilla Glass compared to matte and glossy finishes.

7. MAINTENANCE

7.1 Cleaning the Screen

- Always power off the monitor and unplug the power cord before cleaning.
- Use a soft, lint-free cloth lightly dampened with water or a screen-specific cleaning solution.
- Do not spray liquid directly onto the screen.
- Avoid using abrasive cleaners, waxes, or solvents.

7.2 Image Retention Prevention

Your Dough Spectrum Black monitor includes several built-in features to minimize the risk of image retention (burn-in), a characteristic of OLED technology. These features operate automatically in the background. Additionally, the aluminum housing aids in heat dissipation, further protecting the panel.

7.3 Firmware Updates

Firmware updates are released periodically to improve performance and add new features. These updates can be performed via the USB-C service port on the rear of the monitor. Refer to the official Dough website for the latest firmware and instructions.

8. TROUBLESHOOTING

Problem	Possible Solution
No image on screen	Check power connections. Verify video input cable is securely connected. Ensure correct input source is selected in OSD.
Image is blurry or distorted	Adjust display resolution on your connected device. Check video cable for damage. Reset picture settings in OSD.
No sound	Check monitor volume settings. Ensure audio output is correctly configured on your connected device.
Monitor flickering	Ensure your graphics card drivers are up to date. Try a different video cable. Adjust refresh rate settings.

9. SPECIFICATIONS

Feature	Detail
Brand	DOUGH
Model Number	ES07E91
Screen Size	32 Inches

Feature	Detail
Resolution	3840 x 2160 (4K UHD 2160p)
Refresh Rate	240Hz (4K), up to 480Hz (1080p Dual-Mode)
Panel Type	WOLED with Corning Gorilla Glass
Aspect Ratio	16:9
Image Brightness	1000 nits (peak)
Screen Surface	Corning Gorilla Glass
Connectivity	2x HDMI 2.1, 1x DisplayPort 1.4, 1x USB-C (Service)
Product Dimensions	1.57 x 28.15 x 163.39 inches
Item Weight	19.8 pounds

10. WARRANTY & SUPPORT

Dough provides a 2-year warranty that covers image retention (burn-in) for your Spectrum Black monitor. This demonstrates confidence in the monitor's durability and image retention prevention technologies.

For further assistance, technical support, or warranty claims, please visit the official Dough website or contact their customer service directly. Refer to the product packaging or the official website for the most up-to-date contact information.