Great voell Z240B16

Great Voell 24-inch 180Hz FHD Gaming Monitor User Manual

Model: Z240B16

Introduction

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your Great Voell 24-inch 180Hz FHD Gaming Monitor. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.



Figure 1: Front view of the Great Voell 24-inch 180Hz FHD Gaming Monitor.

Product Features

- **Exceptional Resolution and Color:** Enjoy stunning visuals with a Full HD 1920 x 1080 resolution and a remarkable 99% sRGB color gamut.
- **High Refresh Rate and Response Time:** Experience smoother images with a 180Hz refresh rate and an ultra-fast

1ms response time, reducing motion blur for fast-paced gaming.

- **Eye Care Technology:** Features low blue light technology to reduce eye strain during prolonged use.
- **FreeSync Support:** Synchronizes the monitor's frames with the graphics card's frames, eliminating screen tearing and providing a smooth gaming experience.
- **Versatile Connectivity:** Equipped with HDMI 2.0 and DisplayPort 1.4 inputs for connecting various devices.
- **VESA Compatibility:** Supports 75x75mm VESA mounting for flexible installation options.
- **Integrated Speakers:** Built-in speakers for audio output.



Figure 2: Key features of the Great Voell 24-inch monitor, including FHD resolution, 3000:1 contrast, 16.7M colors, 180Hz refresh rate, eye care, 99% sRGB, Adaptive-Sync, and VESA 75x75mm compatibility.

Package Contents

Please check the package contents carefully. If any items are missing or damaged, contact customer support immediately.

- Great Voell 24-inch Gaming Monitor
- Monitor Stand (Base and Neck)
- Power Adapter
- HDMI Cable
- User Manual (this document)

Setup Instructions

1. Assembling the Stand

1. Carefully remove the monitor from its packaging, keeping it protected on a soft surface (e.g., foam packaging).
2. Attach the stand neck to the monitor's rear mounting point. Ensure it clicks securely into place or is fastened with screws if provided.
3. Connect the stand base to the stand neck. Tighten the thumb screw or screws at the bottom of the base until secure.

2. Connecting to a Device

The monitor supports HDMI and DisplayPort connections.

- **HDMI Connection:** Connect one end of the HDMI cable to the HDMI port on your computer or gaming console and the other end to an HDMI port on the monitor.
- **DisplayPort Connection:** Connect one end of the DisplayPort cable to the DisplayPort on your computer and the other end to the DisplayPort on the monitor.

3. Power Connection

1. Connect the power adapter to the DC IN port on the monitor.
2. Plug the power adapter into a wall outlet.



Figure 3: Rear view showing monitor dimensions and available ports: HDMI, DisplayPort (DP), and DC IN for power.

Operating Instructions

1. Powering On/Off

Press the power button, usually located on the back or bottom right of the monitor, to turn it on or off.

2. Navigating the OSD (On-Screen Display) Menu

The monitor features intuitive buttons on the back for OSD menu navigation.

- Press the **Menu** button to open the OSD.
- Use the **Up**/**Down** buttons to navigate through menu options.
- Use the **Left**/**Right** buttons to adjust settings or enter sub-menus.
- Press the **Exit** button to close the OSD.

3. Key OSD Settings

Setting	Description
Brightness/Contrast	Adjust the overall brightness and contrast of the display.
Color Settings	Adjust color temperature, hue, and saturation.
Input Source	Select between HDMI and DisplayPort inputs.
FreeSync	Enable or disable FreeSync for tear-free gaming.
HDR	Enable or disable High Dynamic Range for enhanced contrast and color.
Eye Care Mode	Activate low blue light mode to reduce eye strain.
Gaming Mode	Select pre-set modes optimized for different game genres (e.g., FPS, RTS).



Figure 4: Illustration of the monitor's exclusive gaming modes, optimized for different game types like competition and FPS.

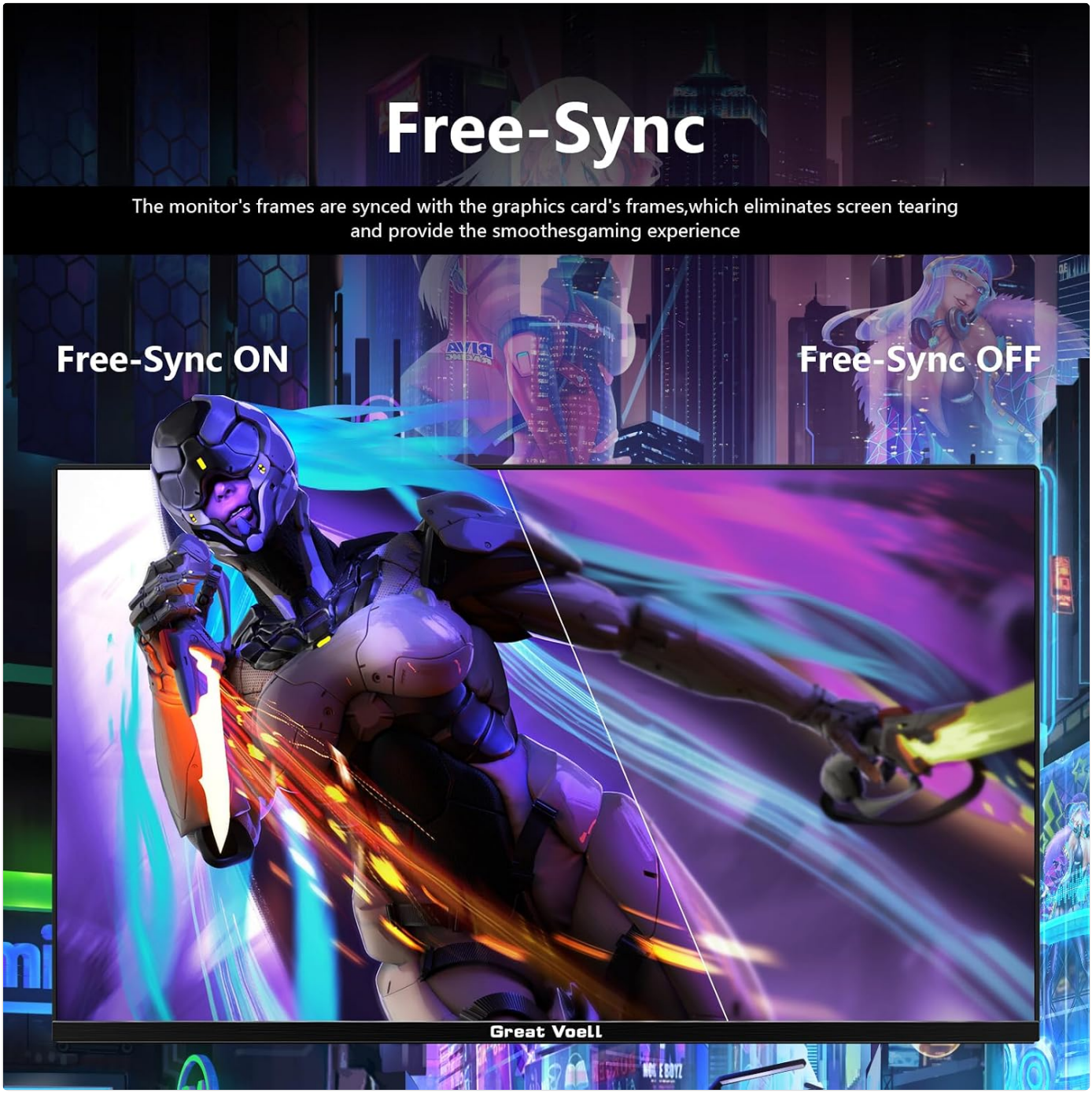


Figure 5: Demonstration of Free-Sync technology, which synchronizes the monitor's refresh rate with the graphics card to eliminate screen tearing.

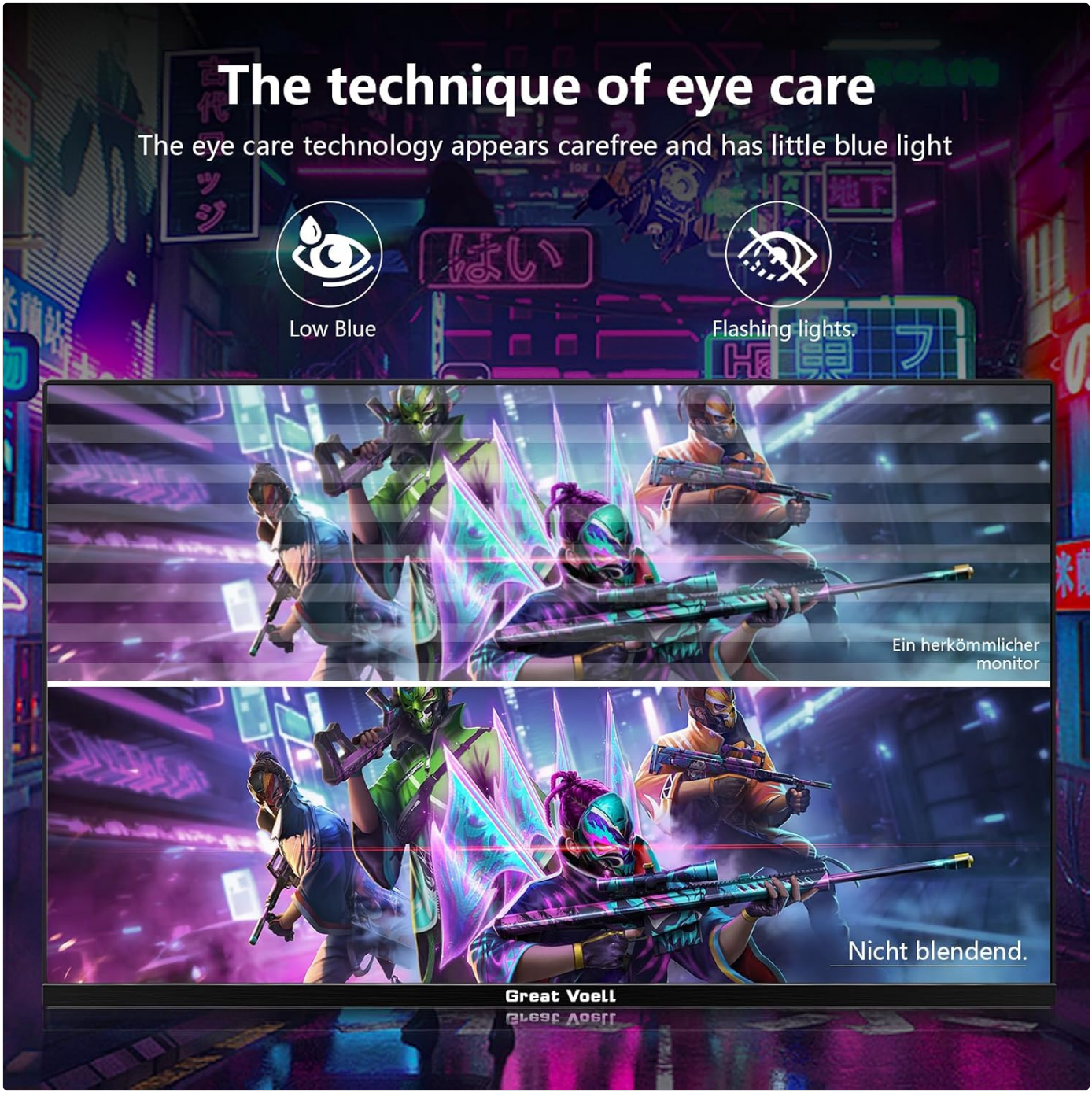


Figure 6: Visual representation of the monitor's eye care technique, highlighting low blue light and flicker-free features for reduced eye strain.

Maintenance and Care

- **Cleaning the Screen:** Use a soft, lint-free cloth slightly dampened with water or a specialized screen cleaner. Do not spray liquid directly onto the screen.
- **Cleaning the Casing:** Wipe the monitor casing with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Storage:** If storing the monitor for an extended period, disconnect it from power and store it in a cool, dry place, preferably in its original packaging.
- **Ventilation:** Ensure proper ventilation around the monitor. Do not block the ventilation openings.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No image on screen	No power; Incorrect input source; Loose cable connection.	Check power cable and adapter; Select correct input source via OSD; Ensure video cables are securely connected.
Image is blurry or distorted	Incorrect resolution; Graphics card driver issues.	Set display resolution to 1920x1080; Update graphics card drivers.
Screen tearing during gaming	FreeSync is disabled or not supported by GPU.	Enable FreeSync in OSD and graphics card settings; Ensure GPU supports FreeSync.
No audio from speakers	Volume too low; Incorrect audio output selected on PC.	Increase monitor volume; Select monitor as audio output device on your computer.

SPECIFICATIONS

Feature	Detail
Model Number	Z240B16
Screen Size	24 Inches
Panel Type	VA
Resolution	FHD (1920 x 1080)
Refresh Rate	180 Hz
Response Time	1 ms
Aspect Ratio	16:9
Contrast Ratio	3000:1
Brightness	300 lumens
Color Gamut	99% sRGB
Connectivity	HDMI 2.0, DisplayPort 1.4, VGA
VESA Compatibility	75x75mm
Power Consumption	20 Watt
Special Features	HDR, FreeSync, Low Blue Light, Integrated Speakers

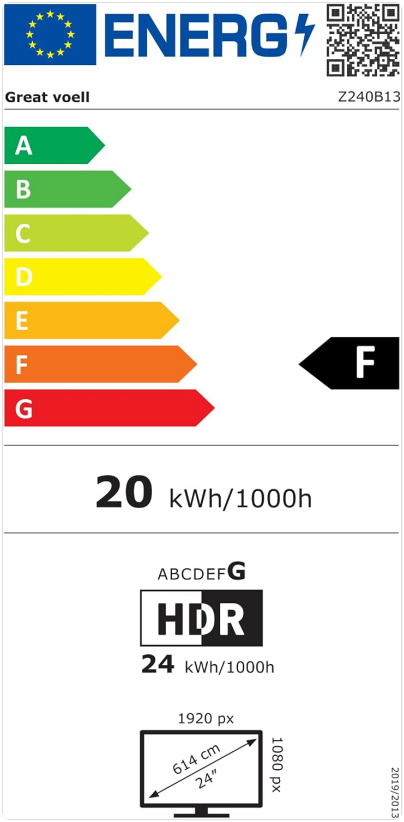


Figure 7: Energy efficiency label for the Great Voell monitor, showing an F rating and 20 kWh/1000h consumption.

For more details, refer to the EPREL database.

Warranty and Support

Warranty Information

The Great Voell 24-inch Gaming Monitor comes with a**one-year manufacturer's warranty** from the date of purchase.
This warranty covers defects in materials and workmanship under normal use.
The warranty does not cover damage caused by misuse, accident, unauthorized modification, or external factors such as power surges.

Customer Support

For technical assistance, warranty claims, or any questions regarding your Great Voell monitor, please contact our customer support team. We are dedicated to providing high-quality products and support.
In case a replacement is needed, Great Voell offers an expedited replacement service. If your monitor requires replacement and is authorized, a new unit will be shipped promptly, even before the damaged unit is returned, to minimize downtime.
For contact information, please refer to the official Great Voell website or your purchase documentation.

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