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> [Acer KC242Y Hbi 23.8" Full HD Gaming and Office Monitor Instruction Manual](#)

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# Acer KC242Y Hbi 23.8" Full HD Gaming and Office Monitor Instruction Manual

Model: KC242Y Hbi

## 1. INTRODUCTION

The Acer KC242Y Hbi is a 23.8-inch Full HD (1920 x 1080) monitor designed for both gaming and office use. It features AMD FreeSync technology, a 100Hz refresh rate, and a 1ms Visual Response Boost (VRB) for smooth and sharp visuals. The monitor also incorporates Acer VisionCare technology to reduce eye strain during prolonged use.



## 2. WHAT'S IN THE BOX

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Verify that all components are present in the package:

- Acer KC242Y Hbi Monitor
- Monitor Stand (Base and Neck)
- Power Cord
- HDMI Cable
- Quick Start Guide / User Manual

## 3. SETUP

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### 3.1. Stand Assembly

1. Carefully remove the monitor and stand components from the packaging.
2. Attach the stand neck to the monitor panel by aligning the tabs and pushing until it clicks into place.
3. Secure the stand base to the stand neck using the captive screw located on the underside of the base. Tighten by hand or with a coin.



Figure 2: Assembled monitor on its stand.

### 3.2. Connecting the Monitor

1. Connect the power cord to the monitor's power input and then to a power outlet.
2. Connect the HDMI cable from your computer's HDMI output to the monitor's HDMI input. Alternatively, use a VGA cable if your computer supports it.
3. Power on your computer and the monitor. The monitor should automatically detect the input signal.

## Multiple Connectivity

Enjoy high compatibility with the KC242Y H monitor with HDMI and VGA ports.



Figure 3: Rear view showing HDMI and VGA ports for connectivity.

### 3.3. VESA Wall Mounting (Optional)

The monitor is VESA mounting compliant (100 x 100mm). To wall mount, remove the stand and attach a compatible VESA mount (sold separately) to the monitor's rear panel.



Figure 4: Monitor mounted on a VESA-compatible arm.

## 4. OPERATING THE MONITOR

### 4.1. Power On/Off

Press the power button located on the rear right side of the monitor to turn it on or off.

### 4.2. On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various monitor settings. Use the joystick button on the rear right side to navigate the menu:

- **Push the joystick:** Enters the OSD menu or confirms a selection.
- **Move joystick Up/Down:** Navigates through menu options.
- **Move joystick Left/Right:** Adjusts values or moves between sub-menus.

Common settings include:

- **Picture:** Brightness, Contrast, Color Temperature.
- **Color:** Adjust color modes (Standard, Graphics, Movie, User).

- **Audio:** Volume control (if external speakers are connected via HDMI).
- **Input:** Select input source (HDMI, VGA).
- **OSD:** OSD timeout, language.
- **System:** Reset to factory defaults, information.

## 5. KEY FEATURES

### 5.1. Full HD (1920 x 1080) Resolution

Experience sharp details and accurate colors with Full HD resolution, bringing your content to life.



Figure 5: Visual comparison of FHD (1080p) versus 720p resolution.

### 5.2. AMD FreeSync Technology

AMD FreeSync synchronizes the monitor's refresh rate with your graphics card's frame rate, eliminating screen tearing and stuttering for a smooth gaming experience.



Figure 6: Visual representation of tear-free viewing with AMD FreeSync enabled.

### 5.3. 100Hz Refresh Rate & 1ms VRB Response Time

A 100Hz refresh rate provides smoother motion, reducing eye fatigue and flickering. The 1ms Visual Response Boost (VRB) ensures clear, blur-free images even in fast-paced action scenes.



Figure 7: Illustration of 100Hz refresh rate providing smoother visuals.

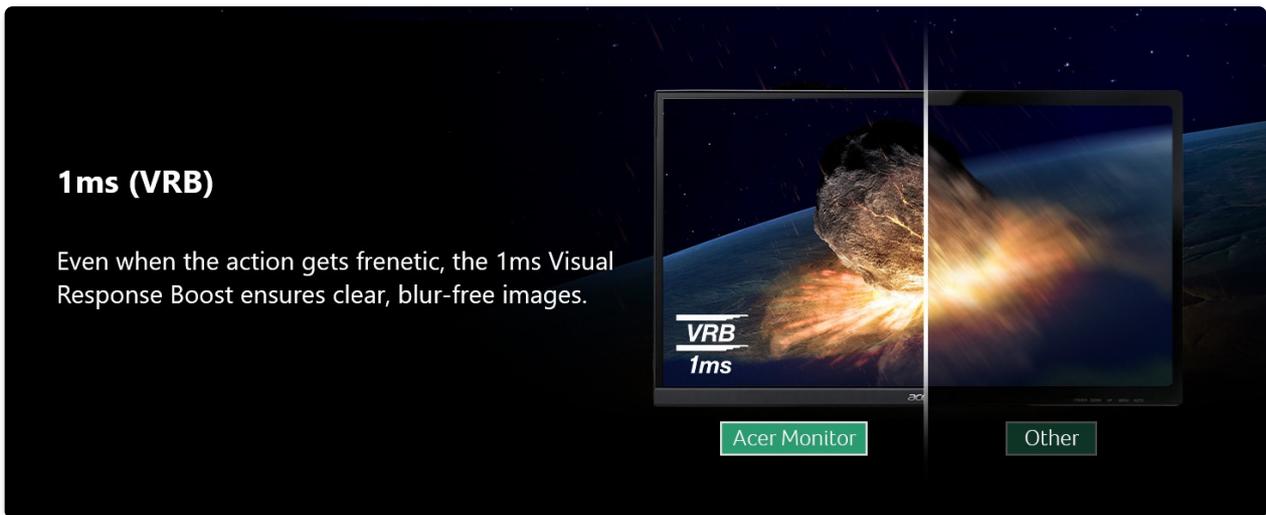


Figure 8: Demonstration of 1ms VRB reducing motion blur.

#### 5.4. Acer VisionCare Technology

Acer VisionCare includes features like Flicker-less, BlueLightShield, and Low Dimming to reduce eye strain during extended viewing periods, promoting a more comfortable experience.

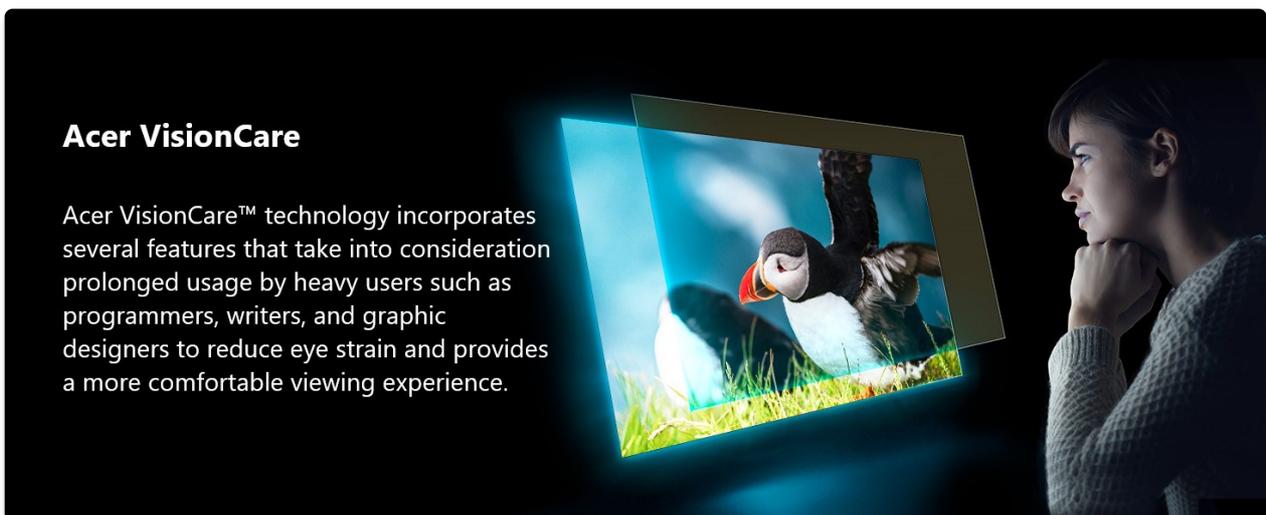


Figure 9: Acer VisionCare features designed to reduce eye strain.

#### 5.5. Ergonomic Tilt & Wide Viewing Angle

The monitor offers an ergonomic tilt range of  $-5^{\circ}$  to  $15^{\circ}$ , allowing you to adjust the viewing angle for optimal comfort. A wide  $178^{\circ}$  (H/V) viewing angle ensures consistent color and clarity from various positions.

## Wide Viewing Angle

With a wide viewing angle, colors can be accurately viewed at angles of up to 178° so that no matter where you choose to view it from, it will display colors perfectly.



Figure 10: Illustration of the monitor's wide 178° viewing angle.

## 6. MAINTENANCE

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, use a monitor-specific cleaning solution applied to the cloth, not directly to the screen.
- **Cleaning the Casing:** Use a soft, damp cloth to clean the monitor casing. Avoid abrasive cleaners or solvents.
- **Ventilation:** Ensure the monitor's ventilation openings are not blocked to prevent overheating.
- **Power Off:** Always power off the monitor when not in use for extended periods.

## 7. TROUBLESHOOTING

- **No Power:** Ensure the power cord is securely connected to both the monitor and the power outlet. Check if the power outlet is functional.
- **No Signal:** Verify that the video cable (HDMI/VGA) is correctly connected to both the monitor and the computer. Ensure the correct input source is selected in the OSD menu.
- **Flickering Screen:** Check the video cable connection. Ensure your graphics card drivers are up to date. Enable AMD FreeSync in your graphics card settings if applicable.
- **Image Quality Issues:** Adjust brightness, contrast, and color settings via the OSD menu. Ensure the display resolution is set to 1920 x 1080 on your computer.
- **Buttons Not Responding:** Power cycle the monitor. If the issue persists, contact customer support.

## 8. SPECIFICATIONS

| Feature               | Specification                   |
|-----------------------|---------------------------------|
| Screen Size           | 23.8 Inches                     |
| Max Screen Resolution | 1920 x 1080 Pixels (Full HD)    |
| Aspect Ratio          | 16:9                            |
| Refresh Rate          | 100Hz (via HDMI)                |
| Response Time         | 1ms VRB (Visual Response Boost) |

|                    |                                 |
|--------------------|---------------------------------|
| Brightness         | 250 nits                        |
| Pixel Pitch        | 0.275mm                         |
| Connectivity       | 1 x HDMI 1.4 Port, 1 x VGA Port |
| Ergonomic Tilt     | -5° to 15°                      |
| VESA Mounting      | 100 x 100mm                     |
| Item Weight        | 6.8 pounds                      |
| Product Dimensions | 7.6 x 21.3 x 16.3 inches        |
| Color              | Black                           |

## 9. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the documentation included with your product or visit the official Acer support website. Keep your purchase receipt as proof of purchase for warranty claims.