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AG Neovo MH2404

AG Neovo MH2404 24-inch 144Hz Monitor User Manual

Model: MH2404

1. Introduction

This manual provides detailed instructions for the setup, operation, and maintenance of your AG Neovo MH2404 24-inch 144Hz monitor. The MH2404 is designed to deliver a smooth visual experience with its 144Hz refresh rate, crisp Full HD IPS panel, and ergonomic adjustability.



Figure 1: AG Neovo MH2404 monitor in use, showcasing its display quality.

Key features include:

- **Height Adjustable Ergonomic Design:** Supports tilt, swivel, pivot, and 140mm height adjustment for optimal viewing comfort.
- **Smooth 144Hz Refresh Rate:** Provides ultra-fluid motion and quick response with a 5ms response time.
- **Crisp Full HD Clarity with IPS & Adaptive Sync:** Features a 24-inch IPS panel for sharp 1080p detail, vibrant color, wide viewing angles, and tear-free visuals.
- **Versatile Connectivity & Sound:** Equipped with HDMI 2.1, DisplayPort 1.4, dual 2W built-in speakers, and a headphone jack.

- **VESA Mounting Compatibility:** Supports VESA 100x100 mm mounting for flexible installation.

2. Package Contents

Please verify that all items are present in the package:

- AG Neovo MH2404 Monitor
- Power Adaptor
- HDMI Cable
- User Manual (this document)

3. Setup

3.1 Assembling the Stand

Follow these steps to attach the stand to your monitor. Ensure the monitor is placed face down on a soft, clean surface to prevent scratches.

1. Carefully remove the monitor from its packaging.
2. Attach the stand base to the stand neck, securing it with the provided screw.
3. Align the assembled stand with the mounting holes on the back of the monitor.
4. Secure the stand to the monitor using the designated screws.

3.2 Connecting the Monitor

The MH2404 monitor offers versatile connectivity options.



Figure 2: Rear view of the monitor showing available ports.

- **Power Connection:** Connect the power adaptor to the monitor's power input and then to a power outlet.
- **Video Connection:**
  - **HDMI:** Use the provided HDMI cable to connect your computer or device to the monitor's HDMI port.
  - **DisplayPort:** Alternatively, use a DisplayPort cable to connect your computer or device to the monitor's DisplayPort.
- **Audio Connection:** If using external speakers or headphones, connect them to the monitor's headphone jack. The

monitor also has built-in 2W speakers.

4. Operating the Monitor

4.1 Ergonomic Adjustments

The MH2404 monitor features a highly adjustable stand to help you achieve an optimal viewing position and reduce strain.



Figure 3: Ergonomic adjustment capabilities of the monitor.

- **Height Adjustment:** Adjust the monitor height up to 140mm by gently pushing or pulling the monitor up or down.
- **Tilt:** Tilt the screen forward (-7°) or backward (20°) to find your preferred vertical viewing angle.
- **Swivel:** Rotate the monitor horizontally up to ±30° on its base.
- **Pivot:** Rotate the screen 90° to switch between landscape and portrait orientations.

4.2 Display Features

The MH2404 monitor incorporates advanced display technologies for an enhanced visual experience.



Figure 4: Visual comparison of display with and without Adaptive Sync.

- **144Hz Refresh Rate:** Provides smoother motion for fast-paced content and general use.

- **Adaptive Sync:** Synchronizes the monitor's refresh rate with your graphics card's frame rate to eliminate screen tearing and stuttering.
- **IPS Technology:** Ensures consistent color accuracy and wide 178-degree viewing angles.

4.3 On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various monitor settings. Refer to the monitor's physical buttons for navigation.



Figure 5: Examples of various display modes available through the OSD menu.

The monitor includes nine preset color modes: Standard, FPS, RTS, MOBA, Movie, Web, Text, Mac, and Mono. Each mode is optimized for specific content, adjusting brightness, contrast, and tone.

5. Maintenance

To ensure the longevity and optimal performance of your AG Neovo MH2404 monitor, follow these maintenance guidelines:

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, lightly dampen the cloth with water or a non-abrasive, monitor-safe cleaning solution. Avoid spraying liquid directly onto the screen.
- **Cleaning the Casing:** Use a soft, dry cloth to clean the monitor casing. Do not use strong detergents or solvents.
- **Ventilation:** Ensure the ventilation openings on the monitor are not blocked to prevent overheating.
- **Power Off:** Always turn off the monitor and unplug it from the power outlet before cleaning or if it will not be used for an extended period.

6. Troubleshooting

If you encounter issues with your monitor, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No image on screen	Power cable not connected. Video cable not connected or loose. Incorrect input source selected.	Ensure power cable is securely connected to monitor and outlet. Check video cable (HDMI/DisplayPort) connections at both monitor and computer. Press the input source button on the monitor to select the correct input.
Image is blurry or distorted	Incorrect display resolution. Faulty video cable.	Set the display resolution to 1920x1080 (Full HD) in your computer's display settings. Try a different video cable.
No sound from speakers/headphone jack	Volume too low or muted. Incorrect audio output device selected on computer.	Adjust monitor volume via OSD menu or computer settings. Ensure the monitor is selected as the audio output device in your computer's sound settings.

If the problem persists after trying these solutions, please contact AG Neovo customer support.

7. Specifications

Detailed technical specifications for the AG Neovo MH2404 monitor:

Feature	Specification
Brand	AG Neovo
Model Name	MH2404
Screen Size	23.8 inches
Resolution	FHD 1080p (1920 x 1080 pixels)
Refresh Rate	144 Hz
Response Time	5 milliseconds
Display Technology	IPS, LCD
Viewing Angle	178 degrees (horizontal/vertical)
Brightness	250 candela per square meter
Contrast Ratio	20,000,000:1 (DCR)
Aspect Ratio	16:9
Screen Surface	Matte
Connectivity	1x HDMI 2.1, 1x DisplayPort 1.4, Headphone Jack
Adaptive Sync	FreeSync
Built-in Speakers	Dual 2W
Ergonomic Adjustments	Height (140mm), Tilt (-7° to 20°), Swivel (±30°), Pivot (90°)
VESA Mounting	100x100 mm
Power Consumption	25 watts
Item Dimensions (D x W x H)	8.2"D x 21.2"W x 20"H



Figure 6: Physical dimensions of the AG Neovo MH2404 monitor.

8. Warranty and Support

The AG Neovo MH2404 monitor comes with a**3-Year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use.

For technical support, warranty claims, or further assistance, please visit the official AG Neovo website or contact their customer service.

You can find more information and support resources on theAG Neovo Store on Amazon.

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