

AHXJKA 16.1-inch 144Hz Portable Gaming Monitor

AHXJKA 16.1-inch 144Hz Portable Gaming Monitor User Manual

Model: 16.1-inch 144Hz Portable Gaming Monitor

INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your AHXJKA 16.1-inch 144Hz Portable Gaming Monitor. Please read this manual thoroughly before using the product to ensure proper function and to maximize your user experience. Keep this manual for future reference.

PRODUCT OVERVIEW

The AHXJKA 16.1-inch Portable Gaming Monitor is designed for versatility and performance, offering a high-refresh-rate display in a compact form factor. Key features include:

- **16.1-inch FHD IPS Display:** Provides crisp 1920x1080 resolution with a 16:9 aspect ratio, 100% sRGB color accuracy, and HDR support for vibrant visuals.
- **144Hz Refresh Rate & 1ms Response Time:** Offers ultra-smooth motion and reduced input lag, suitable for gaming.
- **Eye Care Technology:** Features a low blue light mode to minimize eye strain and reduce visual fatigue during extended use.
- **Slim and Lightweight Design:** Measuring approximately 0.4 inches thick and weighing 1.5 lbs, it is highly portable for travel or use as a secondary display.
- **Versatile Connectivity:** Equipped with Mini HDMI and USB-C ports for broad compatibility with laptops, gaming consoles (PS5, Switch), tablets, and smartphones.
- **Built-in Speakers:** Integrated audio for convenience.
- **Integrated Adjustable Stand:** Allows for flexible viewing angles up to 120 degrees.

Monitor Components and Ports

Multi port & Wide Compatibility

HDMI and TYPE-C interfaces, for connecting laptops, game consoles, phone, and other devices.

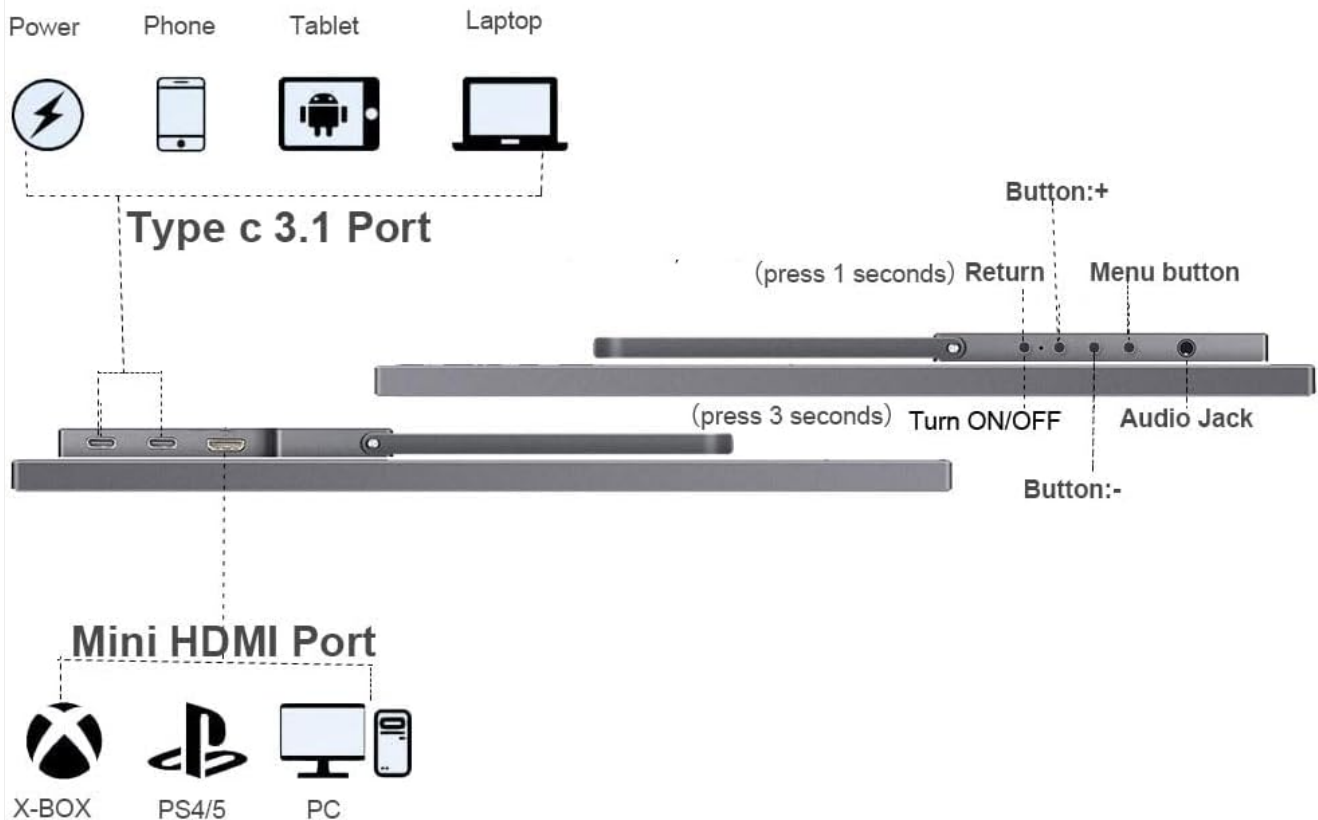


Image: Overview of the monitor's side profile, detailing the location of ports and control buttons.

Type-C 3.1 Port: Used for both power input and video signal transmission from compatible devices (e.g., laptops, phones).

Mini HDMI Port: Used for video signal input from devices such as gaming consoles (PS4/PS5, Xbox), PCs, and cameras.

Audio Jack: For connecting external headphones or speakers.

Buttons (+/-): Used for navigating the On-Screen Display (OSD) menu and adjusting settings.

Power Button: Press and hold for 3 seconds to turn the monitor On/Off.

SETUP INSTRUCTIONS

1. **Unpacking:** Carefully remove the monitor and all accessories from the packaging. Ensure all components are present: monitor, USB-C to USB-C cable, Mini HDMI to HDMI cable, and power adapter (if included).
2. **Positioning the Monitor:**

Adjust different perspectives to protect eye

With 120° adjustment, easily find the perfect viewing angle.

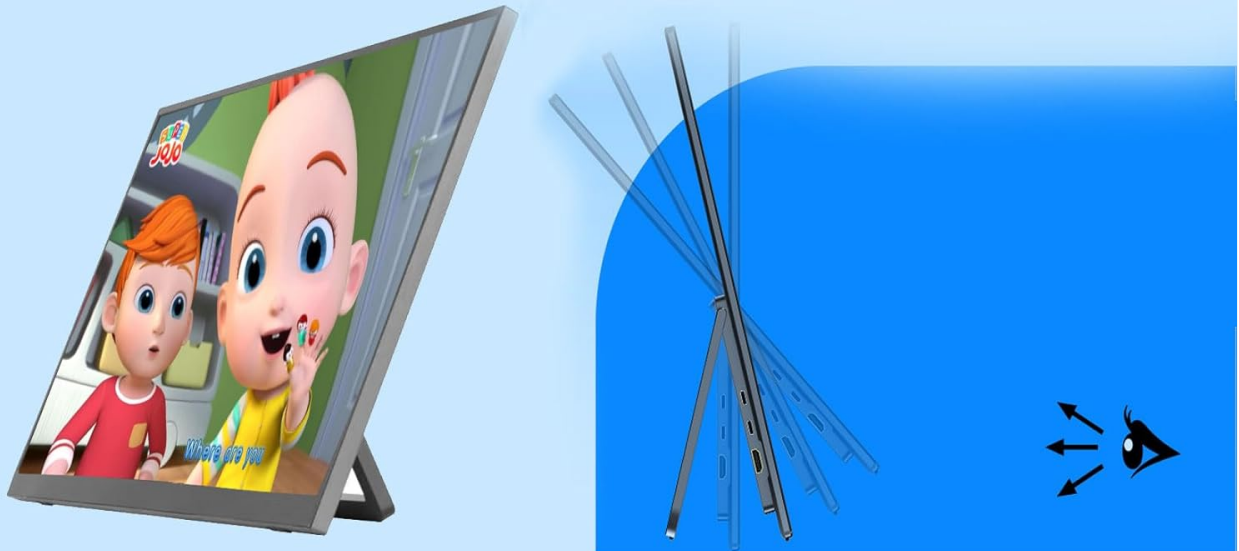


Image: The monitor's integrated stand allows for angle adjustments up to 120 degrees for optimal viewing.

Place the monitor on a stable, flat surface. Utilize the integrated adjustable stand to set your preferred viewing angle. The stand supports up to 120 degrees of adjustment.

3. Connecting to a Power Source:

- Connect one end of the USB-C cable to the monitor's Type-C 3.1 port.
- Connect the other end to a compatible power adapter (not always included, check package contents) or a device that can supply sufficient power (e.g., a laptop's USB-C port with power delivery).
- Ensure the power source provides adequate wattage for stable operation, especially when using high refresh rates or HDR.

4. Connecting to a Device:

- **USB-C Connection (Video & Power):** For devices with a full-featured USB-C port (supporting DisplayPort Alternate Mode and Power Delivery), connect the USB-C to USB-C cable between the device and the monitor's Type-C 3.1 port. This single cable can provide both video and power.
- **HDMI Connection (Video Only):** For devices with an HDMI output, use the Mini HDMI to HDMI cable. Connect the Mini HDMI end to the monitor and the HDMI end to your device. When using HDMI, the monitor will require separate power via the USB-C port from a power adapter or another USB-C power source.

5. **Initial Power On:** Press and hold the Power Button on the monitor for approximately 3 seconds until the screen illuminates.

OPERATING INSTRUCTIONS

On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various display settings. Use the + and - buttons to navigate and select options.

1. **Accessing the OSD:** Press the + button (Menu button) to open the OSD menu.
2. **Navigation:** Use the + and - buttons to move through menu options.
3. **Selection:** Press the + button again to select a highlighted option or confirm a setting.
4. **Exiting:** Press the - button (Return button) to go back to the previous menu or exit the OSD.

Common OSD Settings

- **Brightness/Contrast:** Adjust the overall luminance and contrast of the display.
- **Color Settings:** Modify color temperature, hue, and saturation.
- **Input Source:** Manually select between USB-C and Mini HDMI inputs if auto-detection fails.
- **HDR Mode:** Enable or disable High Dynamic Range.
- **Low Blue Light:** Activate eye protection mode to reduce blue light emission.
- **Volume:** Adjust the volume of the built-in speakers or connected headphones.
- **Aspect Ratio:** Change between 16:9, 4:3, or other available aspect ratios.

Optimizing for Gaming and Productivity

144Hz Refresh Rate, High-Speed Display, Precise Targeting.

With a high refresh rate of 144 frames per second, distant scenes remain smooth and fluid, allowing you to precisely lock onto every frame of your enemy's position.



Image: A first-person shooter game displayed on the monitor, highlighting the smooth motion provided by the 144Hz refresh rate.

For optimal gaming performance, ensure your connected device is configured to output at 144Hz refresh rate. This setting is typically found in your device's display settings (e.g., Windows Display Settings, GPU control panel, console display options). For productivity, the monitor's portability allows for an extended desktop setup, enhancing multitasking.



Learning Made Easy

Easily connected to your cell phone to play study courses, which not only improves your learning efficiency while watching courses, but also protects your eyes.

Image: A child using the portable monitor connected to a smartphone for online learning, demonstrating its use in educational settings.

The monitor can also be used to enhance learning and business efficiency by providing an additional screen for presentations or online courses.



Improve Business Efficiency

Image: A group of professionals in a meeting, utilizing multiple portable monitors to improve business efficiency and collaboration.

MAINTENANCE

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, lightly dampen the cloth with water or a screen-specific cleaning solution. Avoid using harsh chemicals, alcohol, or abrasive materials.
- **Cleaning the Casing:** Use a soft, dry cloth to clean the monitor's casing.
- **Storage:** When not in use, especially during travel, store the monitor in a protective sleeve or case to prevent scratches and damage.
- **Avoid Extreme Conditions:** Do not expose the monitor to extreme temperatures, direct sunlight for prolonged periods, or high humidity.
- **Cable Management:** Ensure cables are not bent sharply or placed under heavy objects to prevent damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No display/No signal	<ul style="list-style-type: none"> • Incorrect input source selected. • Loose or faulty cable connection. • Insufficient power supply. • Device not outputting video. 	<ul style="list-style-type: none"> • Check OSD menu to ensure correct input (USB-C/HDMI) is selected. • Verify all cables are securely connected. • Ensure the monitor is receiving adequate power, especially if using HDMI (requires separate USB-C power). Try a different power adapter or USB-C port. • Restart the connected device.
Screen flickering or unstable image	<ul style="list-style-type: none"> • Faulty cable. • Incompatible resolution/refresh rate. • Power fluctuations. 	<ul style="list-style-type: none"> • Try a different cable. • Adjust the resolution and refresh rate on your connected device to match the monitor's specifications (1920x1080, 144Hz max). • Ensure a stable power supply.
Monitor turns on and off repeatedly (overheating)	<ul style="list-style-type: none"> • Overheating due to prolonged use or poor ventilation. • Power supply issues. 	<ul style="list-style-type: none"> • Allow the monitor to cool down. • Ensure adequate ventilation around the monitor. • Verify the power adapter is providing stable and sufficient power. • Reduce brightness or disable HDR if the issue persists.
No sound from speakers/headphones	<ul style="list-style-type: none"> • Volume too low or muted. • Incorrect audio output selected on device. • Faulty audio cable/headphones. 	<ul style="list-style-type: none"> • Adjust volume via OSD menu or connected device. • Ensure the monitor is selected as the audio output device on your computer/console. • Test with different headphones or speakers.
Dead pixels or display anomalies	<ul style="list-style-type: none"> • Manufacturing defect. 	<ul style="list-style-type: none"> • While a few dead pixels might be within manufacturing tolerances, if the issue is significant, contact customer support for assistance.

SPECIFICATIONS

Feature	Detail
Screen Size	16.1 Inches
Resolution	1920 x 1080 Pixels (FHD)
Refresh Rate	144Hz
Response Time	1 Millisecond (1ms)
Panel Type	IPS
Aspect Ratio	16:9

Feature	Detail
Color Gamut	100% sRGB
HDR Support	Yes
Image Contrast Ratio	1000:1
Connectivity	1x Mini HDMI, 1x USB-C (Type-C 3.1), 1x Audio Jack
Built-in Speakers	Yes
Product Dimensions	0.4 x 9.06 x 13.94 inches
Item Weight	3.09 pounds
Manufacturer	AHXJKA

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact AHXJKA customer service directly. Details for contacting support are typically available on the manufacturer's official website or through your retailer.

Please retain your proof of purchase for any warranty claims.