

UPERFECT gaming monitor

UPERFECT 16-inch 2K 120Hz Portable Monitor User Manual

Model: gaming monitor

INTRODUCTION

Welcome to your UPERFECT 16-inch 2K 120Hz Portable Monitor. This manual provides essential information for setting up, operating, and maintaining your device. Please read these instructions carefully before use.



Image: The UPERFECT 16-inch 2K IPS Matte Portable Monitor, highlighting its key features.

This portable monitor features a 16-inch 2K QHD (2560x1440) IPS matte screen with a 120Hz refresh rate, offering superior image clarity and smooth visuals. It supports 100% sRGB color space and HDR for vibrant and accurate colors, making it suitable for various applications from professional work to gaming.

PACKAGE CONTENTS

Please check the package contents to ensure all items are present:

- 1 x UPERFECT 16-inch 2K 120Hz Portable Monitor
- 1 x Mini HDMI to HDMI Cable
- 2 x USB-C to USB-C Cables
- 1 x Power Adapter
- 1 x Protective Magnetic Cover
- 1 x User Manual
- VESA Mounting Screws (M4 x 4mm)

SETUP

Connecting to Devices

The monitor offers versatile connectivity options for various devices:

- **USB-C Connection:** For devices equipped with full-featured USB-C ports (supporting DisplayPort Alternate Mode)

and power delivery), a single USB-C to USB-C cable can transmit both video signal and power.

- **Mini HDMI Connection:** Use the provided Mini HDMI to HDMI cable for video input. When using HDMI, an additional USB-C cable connected to the power adapter is required to power the monitor.

For optimal performance, especially when utilizing the 2K resolution, it is recommended to use the provided power adapter to ensure sufficient power supply. This helps prevent issues such as screen flickering or low brightness.

VESA Mounting

The monitor is VESA compatible (75 x 75 mm) for flexible mounting on a wall or an arm stand.

Use M4 x 4mm screws for VESA mounting. Ensure the screws are of the correct length; screws that are too short may not secure the monitor properly, while screws that are too long could damage internal components.



Image: A diagram illustrating the VESA mounting holes (75x75mm) and screw size (M3*4mm, note: use M4*4mm as per text description). The image also shows the monitor mounted vertically and horizontally on a stand.

OPERATING

Display Modes

The monitor supports various display configurations to enhance your productivity and viewing experience:

- **Extend Mode:** Extends your desktop across both screens, providing additional workspace for multitasking.
- **Duplicate Mode:** Mirrors your primary display, showing the same content on both screens. Useful for presentations or sharing content.
- **Vertical Mode:** Allows the monitor to be used in portrait orientation, ideal for coding, document viewing, or browsing long web pages.

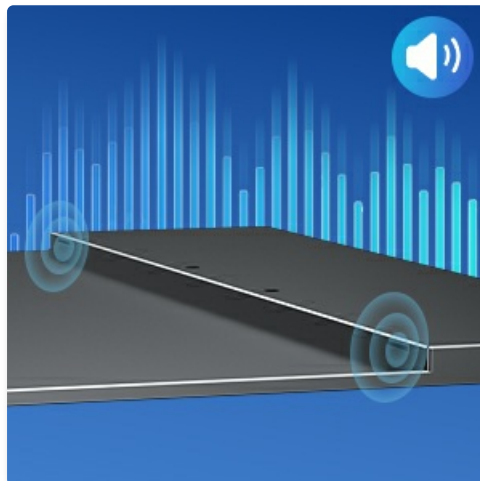


Image: A composite image showing the monitor connected to a laptop in Extend Mode, Duplicate Mode, and Vertical Mode, demonstrating different usage scenarios.

Refresh Rate and Adaptive Sync

Experience smooth and fluid visuals with a 120Hz refresh rate. The monitor supports AMD FreeSync Premium technology, which synchronizes the display's refresh rate with your device's GPU. This eliminates screen tearing, stuttering, and input lag, providing a more responsive experience, especially in fast-paced applications and games.



Image: A split image comparing 60Hz and 120Hz refresh rates, showing a blurred object at 60Hz and a clear, smooth object at 120Hz, illustrating the benefit of higher refresh rates.

Color and Visual Quality

The 2K QHD (2560x1440) IPS matte screen delivers exquisite and realistic images. It features 100% sRGB color space, 10-bit color depth (1.07 billion colors), 300 nits brightness, and a 1000:1 contrast ratio for vibrant and accurate color reproduction. HDR support further enhances dynamic range, providing deeper blacks and brighter whites.



Image: A graphic illustrating 1.07 billion (10-bit) professional-grade color accuracy and 100% sRGB color gamut, demonstrating the monitor's color capabilities.

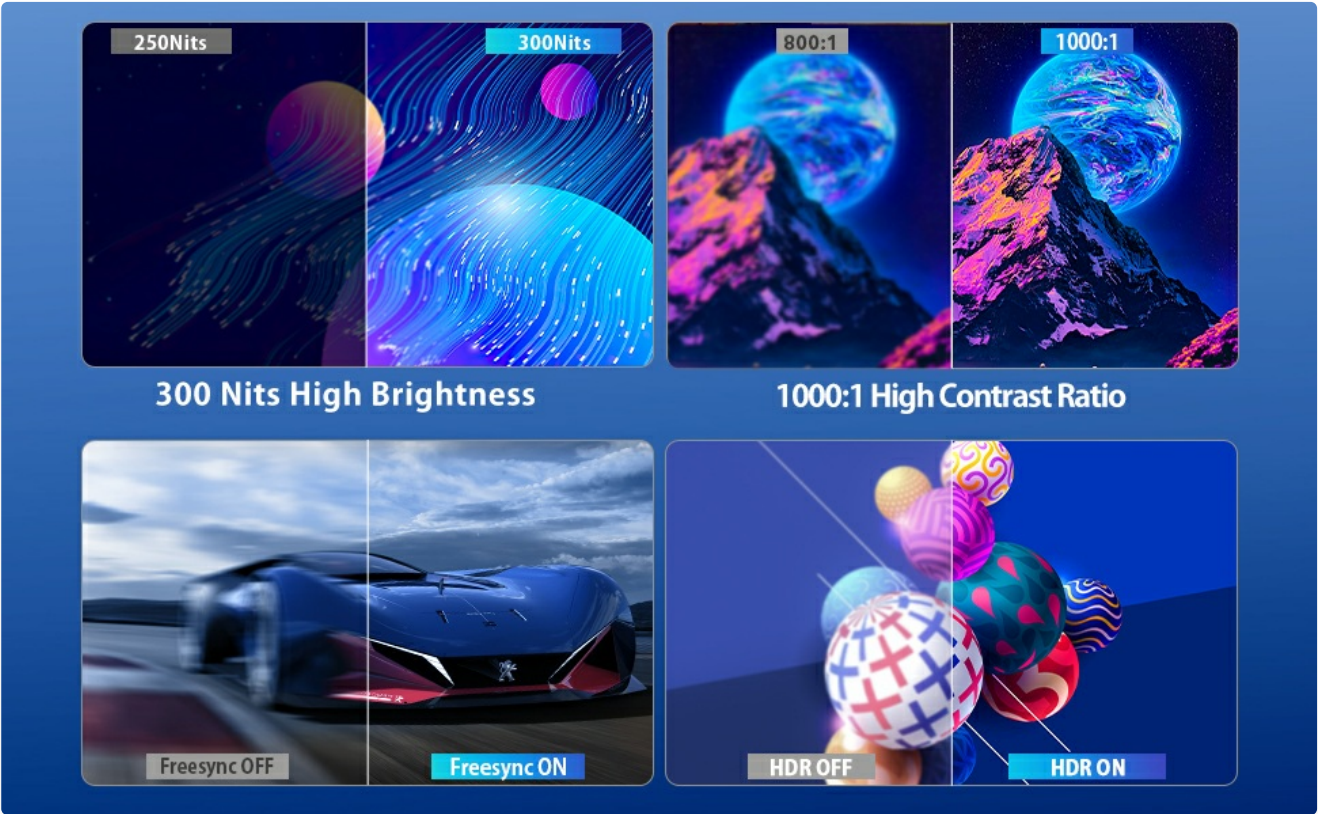


Image: A comparison image showing the difference between 1080P and 2K QHD resolution, highlighting the increased detail and clarity of 2K.

Eye Protection and Audio

The matte screen finish reduces glare and minimizes fingerprints. The monitor includes a blue light filter and flicker-free technology to help protect your eyes and reduce strain during extended periods of use.

Integrated speakers provide convenient audio output for your content.

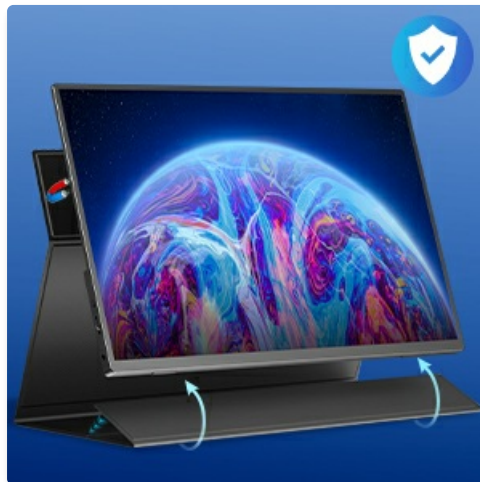


Image: An illustration depicting blue light filtering from a screen to protect a user's eyes.

MAINTENANCE

Cleaning the Screen

To clean the screen, gently wipe it with a soft, lint-free cloth. For more stubborn marks, slightly dampen the cloth with water or a specialized screen-cleaning solution. Never spray liquid directly onto the screen.

General Care

Avoid placing heavy objects on the monitor. Keep the monitor away from direct sunlight, heat sources, and areas with excessive moisture to ensure its longevity and proper functioning.

TROUBLESHOOTING

No Display or Flickering

- **Power Supply:** Ensure the monitor is receiving sufficient power. For 2K resolution, always use the provided power adapter.
- **Cable Connections:** Check all cable connections (USB-C, Mini HDMI) to ensure they are securely plugged into both the monitor and your device.

Screen Tearing or Stuttering

- **FreeSync:** Verify that AMD FreeSync is enabled on your connected device's graphics settings and within the monitor's OSD (On-Screen Display) settings, if applicable.
- **Drivers:** Ensure your graphics drivers are up to date.

No Audio

- **Volume Settings:** Check the volume settings on both the monitor and your connected device.

- **Audio Output:** Ensure the correct audio output device is selected on your computer or source device.

SPECIFICATIONS

Feature	Detail
Brand	UPERFECT
Model Number	gaming monitor (M160C01/M160J02/M160E02/M160G02/M160K03)
Screen Size	16 Inches
Panel Type	IPS Matte Screen
Resolution	2560 x 1440 Pixels (2K QHD)
Refresh Rate	120 Hz
Aspect Ratio	16:10
Display Color	1.07 Billion (10-bit)
Color Gamut	100% sRGB
Brightness	300 cd/m ² (Nits)
Contrast Ratio	1000:1
Special Features	120 Hz, VESA Mount (75x75mm), HDR, FreeSync Compatible, Blue Light Filter, Flicker-Free
Connectivity	2 x Full-featured USB-C, 1 x Mini HDMI, 1 x Micro USB, 1 x 3.5mm Audio Jack
Compatible Devices	Laptops, Desktops, Gaming Consoles (Xbox, Switch, PS4/5), Mobile Devices
Housing Material	Aluminum Alloy
Weight	Approximately 1.48 lbs (0.67 kg)
VESA Screw Size	M4 x 4mm
Power Input	240 V
Power Output	12 V
Energy Efficiency Class (SDR)	6.0 W
EPREL Product Information	View on EPREL Database



Image: The EU energy label for the UPERFECT monitor, displaying energy efficiency class, power consumption, and screen dimensions.

WARRANTY AND SUPPORT

Specific warranty details are not provided within the product information. Please refer to your purchase documentation or contact UPERFECT customer support for detailed warranty inquiries.

For technical assistance, troubleshooting, or any further questions regarding your UPERFECT portable monitor, please visit the official UPERFECT website or contact their customer service department directly.