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› UPERFECT 16-inch 120Hz Portable Monitor User Manual

UPERFECT Core GameG5

UPERFECT 16-inch 120Hz Portable Monitor User Manual

Model: Core GameG5

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1. OVERVIEW

This manual provides detailed instructions for the setup, operation, and maintenance of your UPERFECT 16-inch 120Hz Portable Monitor. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.



Image 1.1: UPERFECT 16-inch 120Hz Portable Monitor, showcasing its sleek design.

2. SAFETY INFORMATION

To ensure safe operation and prolong the life of your monitor, please observe the following precautions:

- Do not expose the monitor to rain, moisture, or extreme temperatures.
- Avoid placing the monitor near heat sources or in direct sunlight.
- Use only the provided cables and power adapter.
- Do not attempt to disassemble or repair the monitor yourself. Refer all servicing to qualified personnel.
- Keep the monitor away from strong magnetic fields.
- Clean the screen with a soft, lint-free cloth. Avoid using harsh chemicals.

3. PACKAGE CONTENTS

Please check the box for the following items:

- 16-inch Portable Monitor x 1
- Type-C 3.1 Cable x 1
- USB 2.0 Cable x 1
- Mini HDMI Cable x 1
- Instruction Manual x 1



Image 3.1: All items included in the UPERFECT 16-inch Portable Monitor package.

4. PRODUCT FEATURES

4.1. High Refresh Rate and Aspect Ratio

The UPERFECT 16-inch portable monitor features a 120Hz high refresh rate and a 16:10 aspect ratio. This provides a wider vertical display area compared to standard 16:9 monitors, enhancing productivity for tasks such as document viewing, coding, spreadsheet management, and video editing. The 120Hz refresh rate ensures smooth visuals, reducing motion blur in fast-paced content like FPS, action, and racing games.

120Hz圧倒的滑らかさが、勝敗を分ける。

FPSに最適、反応の一瞬が、そのまま結果になる。



Image 4.1: Visual comparison demonstrating the smoother display at 120Hz versus 60Hz.

4.2. IPS Non-Glare Panel with Blue Light Reduction

Equipped with a 178° wide viewing angle IPS panel, this monitor minimizes color distortion when viewed from different angles. The non-glare finish reduces reflections, which helps to alleviate eye strain during extended use. It delivers natural and stable display quality, suitable for various applications from photo and video viewing to professional business use, including online meetings and presentations.



Image 4.2: The IPS non-glare panel reduces reflections for comfortable viewing.

4.3. Integrated Stand and Rotation

The monitor features an integrated stand that allows for easy switching between horizontal and vertical display orientations. A smooth 90° rotation function ensures optimal viewing angles for different content. Vertical mode is ideal for documents, coding, and social media, while horizontal mode is best for gaming, video playback, and multi-window tasks. It is also VESA (75x75mm) compatible for mounting on a monitor arm, offering space-saving and flexible setup options.

黄金バランス 16:10

16:9より表示領域は約11%UP!
作業も映像もゲームも、より没入感のある体験を!

16.5" (16:10)

36cm

24.5cm



Image 4.3: The integrated stand allows for versatile positioning, including 90-degree rotation.

4.4. High Contrast Ratio and HDR Support

With a 1000:1 contrast ratio, the monitor reproduces subtle details in dark areas and vibrant colors. It also supports HDR (High Dynamic Range) technology, enriching the gradation of light and dark for a more immersive visual experience.

1000:1コントラスト

映り込みを抑え、自然で優しい色合いを再現。
コントラスト比1000:1で、光と影の階調を美しく描写。



Image 4.4: The 1000:1 contrast ratio enhances visual depth and detail.

4.5. FreeSync Compatibility

The monitor is compatible with FreeSync technology, which eliminates screen tearing and reduces stuttering. This provides a smooth and uninterrupted visual experience, especially beneficial for action games, FPS, and racing simulations.

5. SETUP GUIDE

5.1. Connecting to Devices

The UPERFECT portable monitor supports connections via USB Type-C and Mini HDMI. Ensure your device is compatible with one of these connection types.

5.1.1. USB Type-C Connection (Single Cable Solution)

For devices that support full-featured USB Type-C (power and video signal over one cable), connect the monitor to your device using the provided Type-C to Type-C cable. If the monitor does not receive sufficient power, connect the included power adapter to the monitor.

5.1.2. Mini HDMI Connection

For devices that do not support full-featured USB Type-C, use the provided Mini HDMI cable to connect the monitor to your device. When using HDMI, it is always necessary to connect the power adapter to the monitor for power supply.



Image 5.1: Connection methods for the monitor using Type-C and HDMI.

5.2. Multi-Device Compatibility

The monitor is compatible with a wide range of devices, including Notebook PCs, PCs, Nintendo Switch, PS4/PS5, and smartphones (USB Type-C 3.1 full-featured models).

マルチデバイス接続対応



Image 5.2: Overview of monitor ports and various compatible devices.

5.2.1. Nintendo Switch Connection

For Nintendo Switch, connect the original Switch charger to the monitor for power, then connect the monitor to the Switch using a Type-C cable. For Nintendo Switch 2, an HDMI connection (1080p setting) is recommended for 120Hz display. Both the dock and monitor require external power.

5.2.2. PC Dual Display

Connect to your PC for an instant dual display setup. This eliminates complex wiring and significantly improves work efficiency and desktop usability.

5.2.3. Smartphone Mirroring

Mirror your smartphone screen directly to the monitor with a single Type-C connection (for USB Type-C 3.1 full-featured smartphones only). Enjoy videos, games, and social media on a larger screen.

6. OPERATING INSTRUCTIONS

The monitor features intuitive controls for adjusting settings. The control buttons are located on the side of the monitor, near the integrated stand.

6.1. On-Screen Display (OSD) Menu

Access the OSD menu to adjust various display settings such as brightness, contrast, color temperature, input source, and aspect ratio. Refer to the detailed instructions in the included manual for navigation and specific options.

6.2. Aspect Ratio Switching

The monitor supports multiple aspect ratios including 16:10, 16:9, 4:3, and wide. You can switch between these modes via the OSD menu to best suit your content. Note that if the aspect ratio does not match the content, black bars may appear.

7. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your monitor.

- **Cleaning the Screen:** Gently wipe the screen with a soft, dry, lint-free cloth. For stubborn marks, lightly dampen the cloth with water or a screen-specific cleaning solution. Do not spray liquid directly onto the screen.
- **Cleaning the Casing:** Use a soft, dry cloth to wipe the monitor casing. Avoid abrasive cleaners or solvents.
- **Storage:** When not in use for extended periods, store the monitor in a cool, dry place, preferably in its original packaging or a protective case.

8. TROUBLESHOOTING

If you encounter issues with your monitor, please refer to the following common solutions:

1. No Display/Black Screen:

- Ensure the power adapter is securely connected to both the monitor and a power outlet.
- Verify that the video cable (USB-C or HDMI) is correctly connected to both the monitor and your device.
- Check if your device is outputting a video signal. Try connecting to another display if possible.
- Select the correct input source on the monitor via the OSD menu.

2. No Sound:

- Increase the volume on both the monitor and your connected device.
- Ensure no headphones are connected to the monitor.
- Check audio settings on your connected device to ensure output is directed to the monitor.

3. Flickering Screen:

- Ensure the video cable is securely connected.
- Try a different video cable.
- Reduce the refresh rate on your device's display settings.
- Disable FreeSync if enabled.

4. Image is Distorted or Incorrect Aspect Ratio:

- Adjust the aspect ratio setting in the monitor's OSD menu.
- Check the display resolution settings on your connected device.

5. **Monitor Not Powering On:**

- Verify the power adapter is connected and the power outlet is functional.
- If using a single USB-C cable, ensure your device provides sufficient power or connect the external power adapter.

If the problem persists after trying these steps, please contact UPERFECT customer support.

9. **SPECIFICATIONS**

Attribute	Detail
Brand	UPERFECT
Model	Core GameG5
Screen Size	16 inches
Resolution	1920 x 1200 (UXGA Wide)
Aspect Ratio	16:10, 16:9, 4:3
Screen Surface	Non-Glare
Contrast Ratio	1000:1
Refresh Rate	120 Hz
Response Time	2 ms
Display Type	LCD, IPS
Viewing Angle	178 degrees
Brightness	350 cd/m²
Color Gamut	100% sRGB
Image Enhancement	HDR
Adaptive Sync	FreeSync
Connectivity	USB Type-C, Mini HDMI
Power Consumption	8 Watts
Product Dimensions (D x W x H)	1.3 cm x 36 cm x 24.5 cm
Color	White
Country of Origin	China

9.1. **Compatible Devices Overview**

主な対応機器一覧

HDMI	Type-c	HDR	Freesync	MACBOOK M1	Switch 1
120HZ	120HZ	OK	OK	1920*1080 120HZ	1920*1080 60HZ
Switch 2 (TVモード)	Xbox X	PS5	Steam deck	Amazon Fire TV	Chromecast with Google TV
1920*1080 120HZ	1920*1080 120HZ	1920*1080 60HZ	1920*1080 120HZ	1920*1080 60HZ	1920*1080 60HZ

※ 実際の解像度・リフレッシュレートは、
ゲームソフト・本体設定・接続機器により異なります。

Image 9.1: A table detailing compatibility with various devices and their respective display capabilities.

10. WARRANTY AND SUPPORT

UPERFECT stands by the quality of its products. Your monitor comes with the following support:

- **Warranty:** A 2-year warranty is provided (conditions apply).
- **Satisfaction Trial:** Enjoy a 90-day complete satisfaction trial. If you are not satisfied, a full refund will be issued.
- **Dedicated Support:** Access to dedicated support personnel for assistance.
- **Free Accessories:** Genuine cables and adapters are provided free of charge for the lifetime of the product.
- **Certifications:** The product is PSE certified, ensuring safety and quality standards.

For any questions regarding product use or in case of initial defects within the warranty period, please contact UPERFECT customer support via your order history. We are committed to providing the best possible assistance.