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MAGICRAVEN MRPM-1301

MagicRaven 13.3" 4K Portable Monitor

Model: MRPM-1301

User Instruction Manual

1. Introduction

Thank you for choosing the MagicRaven 13.3" 4K Portable Monitor. This slim and lightweight display is designed to enhance your productivity and entertainment experience, offering stunning 4K UHD resolution, vibrant colors, and broad compatibility with various devices including laptops, smartphones, gaming consoles, and more. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your new portable monitor.

Image 1.1: The MagicRaven 13.3" 4K Portable Monitor, showcasing its compact design and high-resolution display.

2. Key Features

- **13.3" 4K UHD IPS Display:** Features a spectacular IPS A-grade screen with 3840x2160 resolution, 400 nits brightness, 1800:1 contrast ratio, 100% sRGB color gamut, and a 178-degree wide viewing angle. Supports 60Hz refresh rate, HDR, Low Blue Light, and FreeSync for crisp, vivid, and detailed visuals.
- **Exceptional Color Accuracy:** Delivers true-to-life colors for an immersive visual experience, ideal for graphic design, photography, gaming, and multimedia.
- **Ultra Slim & Lightweight Design:** Weighs only 0.97 lb (monitor only) with a thickness ranging from 0.19" (Min) to 0.35" (Max), making it highly portable for travel and on-the-go use.
- **Increased Productivity:** Expands your screen real estate, enabling efficient multitasking and seamless workflow across multiple applications.
- **Versatile Connectivity:** Equipped with dual USB-C ports and a Mini HDMI port for wide compatibility with various devices.
- **Built-in Speakers:** Integrated speakers provide audio output without the need for external devices.
- **VESA Mountable:** Supports VESA mounting for flexible setup in both portrait and landscape modes.

Image 2.1: Visual representation of the monitor's 4K resolution capabilities and display technologies.

Image 2.2: The monitor's ultra-slim and lightweight design, emphasizing its portability.

3. Package Contents

Please check the package for the following items:

- MagicRaven 13.3" 4K Portable Monitor

- Smart Cover/Stand
- USB-C to USB-C Cable (for power and video/data)
- Mini HDMI to HDMI Cable (for video)
- USB-A to USB-C Cable (for power)
- Power Adapter
- User Manual (this document)

4. Product Overview

Familiarize yourself with the ports and buttons on your MagicRaven portable monitor:

Image 4.1: Side view of the monitor detailing its various ports and controls.

- **USB-C Full Function Ports (x2):** Used for power, video, and data transmission. Supports single-cable connection for compatible devices.
- **Mini HDMI Port:** Used for video input from devices with HDMI output.
- **3.5mm Audio Jack:** For connecting external headphones or speakers.
- **Power/Back Button:** Powers the monitor on/off and serves as a 'back' function in the OSD menu.

- **Menu Button:** Accesses the On-Screen Display (OSD) menu.
- **"UP" Button:** Navigates up in the OSD menu or increases values.
- **"DOWN" Button:** Navigates down in the OSD menu or decreases values.
- **Built-in Speakers:** Located on the sides or rear of the monitor for audio output.

5. Setup Guide

5.1 Initial Setup

1. Unpack the monitor and all accessories from the box.
2. Attach the smart cover to the monitor, which can also function as a stand. Adjust the stand to your desired viewing angle.
3. Ensure the monitor is placed on a stable, flat surface.

5.2 Connecting to Devices

The MagicRaven portable monitor offers flexible connectivity options:

5.2.1 Connecting to a Laptop/PC (USB-C)

If your laptop/PC has a full-featured USB-C port (supporting DisplayPort Alternate Mode and power delivery):

- Connect one end of the USB-C to USB-C cable to the full-featured USB-C port on your laptop/PC.
- Connect the other end to one of the USB-C full function ports on the monitor.
- The monitor should automatically detect the signal and display the screen. Power will also be supplied via this single cable.

Image 5.1: Single USB-C cable connection for laptop and monitor.

5.2.2 Connecting to a Laptop/PC (HDMI + USB-C for Power)

If your laptop/PC does not have a full-featured USB-C port, or for older devices:

- Connect one end of the Mini HDMI to HDMI cable to the HDMI port on your laptop/PC.
- Connect the Mini HDMI end to the Mini HDMI port on the monitor.

- Connect the USB-A to USB-C cable from your laptop's USB-A port (or the included power adapter) to one of the USB-C full function ports on the monitor for power.

5.2.3 Connecting to a Smartphone/Tablet (USB-C)

If your smartphone/tablet has a full-featured USB-C port:

- Connect one end of the USB-C to USB-C cable to your smartphone/tablet.
- Connect the other end to one of the USB-C full function ports on the monitor.
- The monitor will display your device's screen. Ensure your phone/tablet supports video output over USB-C.

5.2.4 Connecting to Gaming Consoles (PS5/4, Xbox, Switch)

- **For PS5/4, Xbox:** Connect the Mini HDMI to HDMI cable from your console to the monitor's Mini HDMI port. Power the monitor using the USB-A to USB-C cable connected to a power adapter or a USB port on your console/PC.
- **For Nintendo Switch:** Connect the USB-C to USB-C cable from the Switch console (not the dock) to one of the monitor's USB-C full function ports. Ensure the Switch is powered sufficiently.

Image 5.2: The monitor connected to a gaming console, ready for gameplay.

6. Operating Instructions

6.1 Power On/Off

- To power on, press the Power/Back button.

- To power off, press and hold the Power/Back button for a few seconds until the screen turns off.

6.2 On-Screen Display (OSD) Menu

The OSD menu allows you to adjust various display settings:

1. Press the Menu button to open the OSD menu.
2. Use the "UP" and "DOWN" buttons to navigate through the menu options.
3. Press the Menu button again to select an option or enter a sub-menu.
4. Use the "UP" and "DOWN" buttons to adjust values or select sub-options.
5. Press the Power/Back button to go back to the previous menu or exit the OSD.

6.3 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 the input source (USB-C 1, USB-C 2, Mini HDMI) if auto-detection fails.
- **HDR Mode:** Enable or disable High Dynamic Range for enhanced visual quality with HDR content.
- **Low Blue Light:** Reduces blue light emission to minimize eye strain during prolonged use.
- **FreeSync:** Synchronizes the monitor's refresh rate with the graphics card's frame rate to reduce screen tearing and stuttering (for compatible devices).
- **Audio Settings:** Adjust volume or mute the built-in speakers.

6.4 Portrait and Landscape Mode

The monitor supports both portrait and landscape orientations. You can adjust the display orientation through your connected device's operating system settings (e.g., Windows Display Settings, macOS Display Preferences). The VESA mount compatibility allows for flexible physical positioning.

Image 6.1: The monitor's VESA mount capability for flexible orientation.

7. Maintenance and Care

- **Cleaning the Screen:** Gently wipe the screen with a soft, lint-free cloth. For stubborn marks, dampen the cloth slightly with water or a non-abrasive screen cleaner. Avoid using alcohol, ammonia, or abrasive cleaners.

- **Cleaning the Casing:** Use a soft, dry cloth to wipe the monitor's casing.
- **Avoid Liquids:** Do not spray liquids directly onto the monitor.
- **Storage:** When not in use, store the monitor in a cool, dry place, preferably in its original packaging or protective cover, to prevent dust accumulation and damage.
- **Handle with Care:** Avoid dropping or subjecting the monitor to strong impacts.

8. Troubleshooting

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

Problem	Possible Cause	Solution
No display/"No Signal" message	Incorrect input source selected; Loose cable connection; Insufficient power; Device not outputting signal.	Check all cable connections (USB-C, HDMI) are secure. Ensure the monitor is receiving sufficient power. Manually select the correct input source via the OSD menu. Restart the connected device.
Monitor does not power on	No power supply; Faulty power adapter/cable.	Ensure the power adapter is correctly connected and plugged into a working outlet. Try a different USB-C cable or power adapter if available.
Screen flickering or unstable display	Cable issue; Graphics driver issue; Interference.	Try a different cable. Update graphics drivers on your connected device. Ensure no strong electromagnetic interference sources are nearby.
No audio from speakers	Volume too low/muted; Incorrect audio output selected on device.	Increase monitor volume via OSD. Check audio output settings on your connected device and select the monitor as the output device.
Image is blurry or distorted	Incorrect resolution setting; Cable quality.	Ensure the display resolution on your connected device is set to 3840x2160 (4K). Use high-quality cables.

If the problem persists after trying these solutions, please contact MagicRaven customer service for further assistance.

9. Product Specifications

Feature	Detail
Brand	MAGICRAVEN
Model Number	MRPM-1301
Screen Size	13.3 Inches
Resolution	3840 x 2160 Pixels (4K UHD)
Display Technology	IPS

Feature	Detail
Refresh Rate	60 Hz
Brightness	400 Candela (nits)
Contrast Ratio	1800:1
Color Gamut	100% sRGB
Viewing Angle	178 Degrees
Aspect Ratio	16:9
Screen Surface	Matte
Connectivity	2 x USB-C (Full Function), 1 x Mini HDMI, 1 x 3.5mm Audio Jack
Product Dimensions	0.2 x 16.65 x 9.88 inches (Min thickness 0.19", Max thickness 0.35")
Item Weight	0.97 lb (Monitor Only), 2.2 pounds (Total)
Voltage	5 Volts
Special Features	HDR, Low Blue Light, FreeSync, Built-in Speakers, VESA Mountable

10. Warranty and Customer Support

MagicRaven is committed to providing high-quality products and excellent customer service.

- **Return Policy:** 30-day return policy from the date of purchase.
- **Replacement Guarantee:** 90-day replacement guarantee for defective products.
- **Warranty:** 2-year warranty covering manufacturing defects.
- **Lifetime Support:** Enjoy lifetime technical support for your MagicRaven monitor.
- **Customer Service:** Our 24/7 customer service team aims to respond to inquiries within 8 hours.

For support, please contact MagicRaven directly through their official channels or the platform where you purchased the product.

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