

Newsoul M160B04

Newsoul 16" 3K OLED Portable Monitor M160B04 User Manual

INTRODUCTION

This manual provides essential information for the setup, operation, maintenance, and troubleshooting of your Newsoul 16" 3K OLED Portable Monitor M160B04. This monitor is designed to offer a high-quality visual experience with its 3K 2880x1800 resolution, 120Hz refresh rate, and 0.1ms response time. Its OLED technology ensures vibrant colors, deep blacks, and a 100,000:1 contrast ratio, complemented by 500 nits brightness and 100% DCI-P3 color gamut. The ultra-slim design enhances portability for various applications, including laptops, PCs, smartphones, and game consoles.



PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 * 16" 3K OLED Portable Monitor
- 1 * Mini HDMI Cable 4K
- 2 * Type C to Type C Cable
- 1 * PD 30W Power Charger
- 1 * Smart Cover



Figure 2: All included accessories and the monitor neatly packaged.

SETUP

1. Power Connection

Connect the provided 30W USB-C Power Charger to one of the monitor's USB-C ports. For stable operation and to prevent flickering or screen shutdown, ensure you use a 30W or higher Power Delivery (PD) power adapter.

2. Device Connection

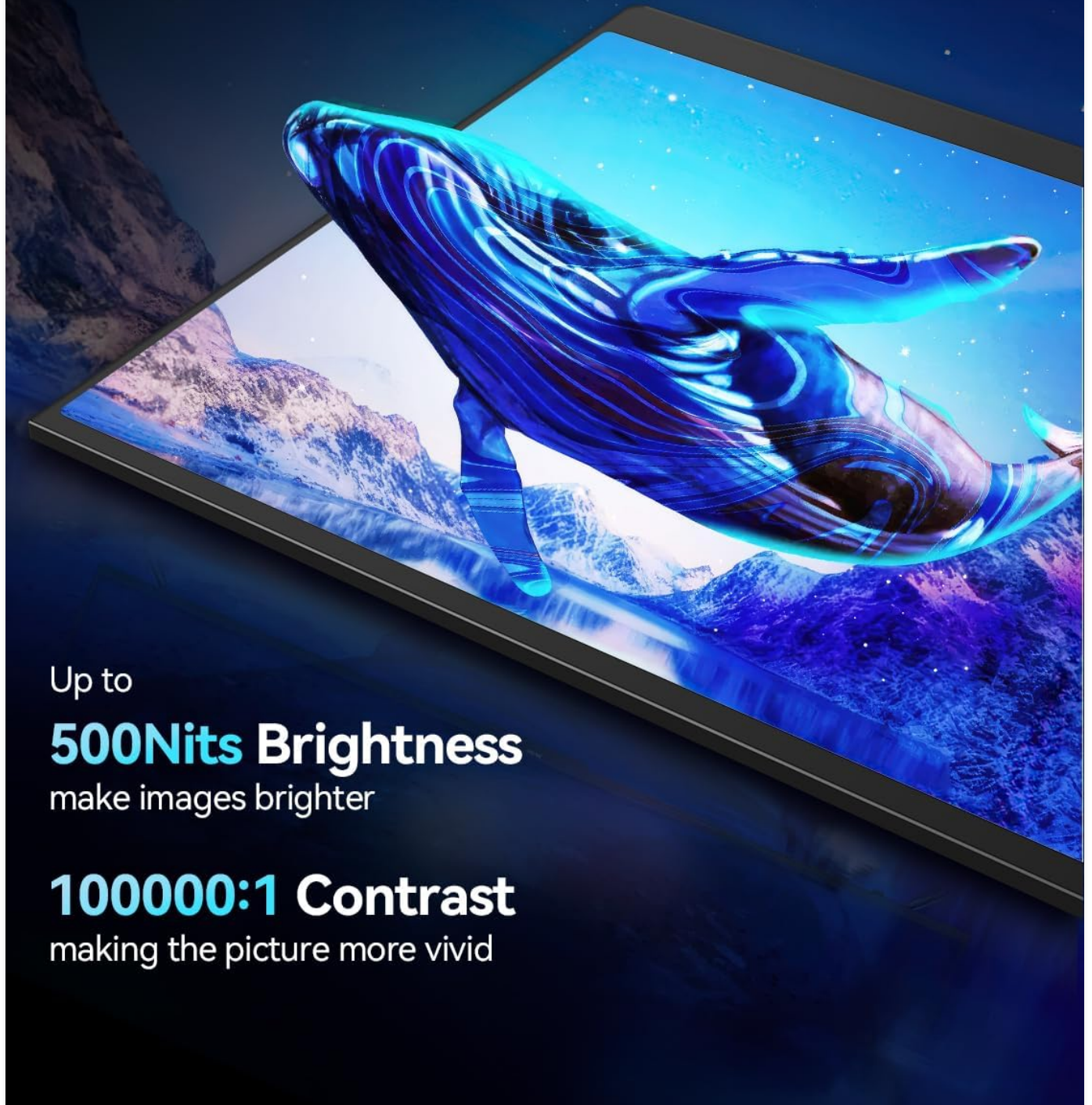
The monitor supports two primary connection methods:

- **USB-C (DisplayPort Alt Mode):** Use one of the provided USB-C to USB-C cables to connect your laptop, smartphone, or game console. This connection supports 3K 2880x1800 resolution at 120Hz and can also deliver power to your connected device if the monitor is powered by the 30W PD adapter.
- **Mini HDMI:** Use the provided Mini HDMI to HDMI cable to connect devices. Note that for 120Hz refresh rate over HDMI, a lower resolution may be required, as it typically drops to 100Hz at 2880x1800.

The monitor's smart cover can be folded to act as a stand, allowing for various viewing angles.

Stunning Brightness, Perfect Black

Experience stunning visuals with deep blacks, bright whites, and lifelike clarity!



Up to

500Nits Brightness

make images brighter

100000:1 Contrast

making the picture more vivid

Figure 3: Monitor connected to a laptop, demonstrating a typical setup.

OPERATING THE MONITOR

On-Screen Display (OSD) Menu

The monitor features physical buttons on its side to access and navigate the On-Screen Display (OSD) menu. These buttons allow you to adjust various display settings.

Display Settings

Through the OSD menu, you can customize the following settings:

- **Brightness:** Adjust the overall luminance of the screen (up to 500 nits).
- **Contrast:** Modify the difference between the brightest and darkest areas (100,000:1 ratio).
- **ECO Mode:** Select from various preset display modes for different content types.
- **DCR (Dynamic Contrast Ratio):** Enable or disable dynamic contrast enhancement.
- **Sharpness:** Adjust the clarity of image edges.
- **Color Temperature:** Fine-tune color balance (Red, Green, Blue levels).
- **Aspect Ratio:** Choose between different aspect ratios (e.g., 16:10, 16:9).
- **Black Level:** Adjust the depth of black colors.
- **Hue & Saturation:** Control color tint and intensity.
- **HDR Mode:** Enable or disable High Dynamic Range for enhanced visual fidelity.
- **Low Power Mode:** Optimize power consumption.

Refresh Rate and Resolution

The monitor natively supports 3K 2880x1800 resolution at a 120Hz refresh rate. For optimal performance, especially 120Hz at full resolution, a USB-C connection with DisplayPort Alt Mode is recommended. When using HDMI, the 120Hz refresh rate may be limited to a lower resolution.

VESA Compatibility

The monitor is VESA compatible (75x75 mm, M4x4 mm screws), allowing it to be mounted on compatible arms or stands for flexible positioning, including seamless landscape to portrait transitions.

Vesa Compatible

Enable seamless landscape to portrait transitions



VESA Size: 75x75 mm



Screw Size: M4x4 mm

Figure 4: VESA mounting options for the portable monitor.

MAINTENANCE

Cleaning the Screen

To clean the screen, gently wipe it with a soft, lint-free cloth. For stubborn smudges, slightly dampen the cloth with water or a screen-safe cleaning solution. Avoid using harsh chemicals, abrasive materials, or spraying liquid directly onto the screen.

General Handling and Storage

Handle the monitor with care to prevent damage. When not in use, store the monitor in its smart cover to protect the screen from scratches and impacts. Avoid placing heavy objects on the monitor or exposing it to extreme temperatures or humidity.

TROUBLESHOOTING COMMON ISSUES

- No Signal:**
Ensure all cables (USB-C or HDMI) are securely connected to both the monitor and your device. Verify that the monitor is receiving adequate power from the 30W PD adapter. Check your device's display settings to ensure it is configured to output to an external monitor.
- Flickering or Screen Shutdown:**
This often indicates insufficient power. Ensure you are using the provided 30W USB-C PD power adapter or another power source of 30W or higher. Lower-power sources may cause instability.
- 120Hz Refresh Rate Not Achieved:**
For full 3K 2880x1800 resolution at 120Hz, a USB-C connection utilizing DisplayPort Alt Mode is required. If using HDMI, the 120Hz refresh rate may only be available at lower resolutions. Check your device's display settings to select the desired refresh rate.
- No Sound:**
Check the volume settings on both the monitor (via the OSD menu) and your connected device. Ensure the audio output is directed to the portable monitor.

TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	Newsoul
Model Number	M160B04
Screen Size	16 Inches
Resolution	3K 2880x1800 Pixels
Aspect Ratio	16:10
Refresh Rate	120Hz (via USB-C)
Response Time	0.1ms
Image Brightness	500 Candela (Nits)
Contrast Ratio	100,000:1
Color Gamut	100% DCI-P3
Color Depth	8-Bit + FRC

Feature	Specification
Screen Surface	Glossy
Product Dimensions	0.27 x 13 x 9 inches
Item Weight	1.6 pounds (approx. 0.73 kg)
Total USB Ports	2 (USB-C)
Video Input	USB-C (DisplayPort Alt Mode), Mini HDMI
VESA Compatibility	75x75 mm (M4x4 mm screws)

WARRANTY INFORMATION AND CUSTOMER SUPPORT

For warranty claims, technical support, or any product-related inquiries, please refer to the contact information provided in the included 'Portable Monitor User Manual' or visit the official Newsoul website. Keep your purchase receipt as proof of purchase for warranty services.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question