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UGREEN 40610950348862

UGREEN USB C to DisplayPort 2.1 Cable User Manual

Model: 40610950348862

Brand: UGREEN

1. INTRODUCTION

The UGREEN USB C to DisplayPort 2.1 Cable is designed to connect devices with a USB Type-C or Thunderbolt 4/3 port to a DisplayPort-enabled monitor, providing high-resolution video and audio transmission. This cable supports advanced display technologies for an immersive visual experience.



Image: UGREEN USB C to DisplayPort 2.1 Cable connecting a laptop to an external monitor.

2. KEY FEATURES

- **High Resolution Support:** Supports 16K@30Hz, backward compatible with 8K@120Hz, 4K@240Hz, and 2K@480Hz for exceptional visual clarity.
- **High Bandwidth:** Features DisplayPort 2.1 with a maximum bandwidth of 40 Gbps, ensuring stable signal transmission and eliminating screen flickering.

- **Advanced Video Technologies:** Supports HDR (High Dynamic Range), HDCP2.3, VRR (Variable Refresh Rate), ALLM (Auto Low Latency Mode), eARC, DTS, and Dolby for an immersive audio-visual experience.
- **Multi-Video Modes:** Allows for Mirror, Extend, and Clamshell modes. Supports Multi-Stream Transport (MST) for daisy-chaining multiple monitors.
- **Durable Construction:** Constructed with a braided nylon cable for enhanced durability and strain relief, and a premium aluminum alloy case for superior heat dissipation.
- **Plug and Play:** No additional drivers or software installation required for operation.

Latest Version, Best Performance

Version	DP 2.1/2.0	DP 1.4	DP 1.2
Resolution	16K@30Hz, 10K@60Hz 8K@120Hz 4K@240Hz/165Hz/144Hz 2K@240Hz/165Hz/144Hz	8K@60Hz 4K@240Hz/165Hz/144Hz 2K@240Hz/165Hz/144Hz	4K@60Hz 2K@144Hz/165Hz
HDR	✓	✓	✗
HDCP 2.2	✓	✓	✗
DSC	DSC 1.2a	DSC 1.2	✗
Bandwidth	40Gbps	32.4Gbps	21.6Gbps

Image: Table comparing features of DisplayPort 2.1/2.0, DP 1.4, and DP 1.2, highlighting resolution, HDR, HDCP, DSC, and bandwidth.

3. SETUP INSTRUCTIONS

1. **Connect USB-C:** Plug the USB-C end of the cable into your source device (e.g., laptop, smartphone, tablet). Ensure your device's USB-C port supports "DP Alt Mode" or is a Thunderbolt 3/4 port.
2. **Connect DisplayPort:** Insert the DisplayPort end of the cable into the DisplayPort input on your monitor or display device.
3. **Power On:** Ensure both your source device and display are powered on. The display should automatically detect the

video signal.

Check

Capacity of USB-C



Thunderbolt Full Function



With DP Alt Mode



Data Transfer + DP Alt Mode



Data Transfer Only



Data Transfer Only



Charging Only



Image: Diagram illustrating compatible USB-C port types (Thunderbolt Full Function, DP Alt Mode, Data Transfer + DP Alt Mode) and incompatible types (Data Transfer Only, Charging Only).

4. OPERATING MODES

The UGREEN USB C to DisplayPort 2.1 Cable supports various display modes to suit your needs:

- **Mirror Mode:** Duplicates the content of your source device's screen onto the external display. Ideal for presentations or sharing content.
- **Extend Mode:** Expands your desktop workspace across the external display, allowing you to view different content on each screen.
- **Clamshell Mode:** Enables a laptop to operate with its lid closed while connected to an external monitor, keyboard, and mouse, effectively turning your laptop into a desktop setup.
- **Multi-Stream Transport (MST):** If your source device and monitors support MST, you can daisy-chain multiple DisplayPort monitors from a single DisplayPort output for an expanded multi-display setup.

VRR & ALLM Support

Greatly reduces screen tearing,
say goodbye to ghosting.



Image: Visual representation of Mirror Mode, Extend Mode, and Clamshell Mode for connecting a laptop to an external monitor.

5. COMPATIBILITY

This cable is compatible with a wide range of devices that feature a USB-C port with video output functionality (DP Alt Mode) or Thunderbolt 3/4 ports. It connects to any display device with a DisplayPort input.

Compatible Source Devices:

- **Smartphones:** iPhone 17 Pro Max/17 Pro/Air/17/16 Pro Max/16 Pro/16 Plus/16, Galaxy S26/25 Ultra, Note 20, LG V40.
- **Laptops/PCs:** Mac Mini M4/M4 Pro, MacBook Pro 2023/Air 2024, XPS 17/15/13, Dell, HP Chromebook x360, Surface Book 3/2.
- **Tablets:** iPad Pro/Air 2024, Samsung Tablet S9, Valve Steam Deck.

Compatible Display Devices:

- Monitors with DisplayPort input (e.g., Odyssey G8 G9).
- HDTVs with DisplayPort input.
- Graphic cards with DisplayPort output (e.g., Nvidia RTX 5090, AMD Radeon RX 7900).

Wide Compatibility

Input

Laptop/PC



MacBook Pro 2026/Air 2026
Alienware M16/X16
ROG STRIX /ZEPHYRUS
Dell XPS 17/15
Mac Mini/Studio
...

Phone



iPhone 17/16/15 Pro Max
Galaxy S26 Ultra/S25 Ultra
Galaxy Note 22 Ultra
...

Tablet



iPad Pro/Air 2026
iPad Mini 6
Surface Pro
Galaxy Tab
...

Operating System



Windows



macOS



Linux



iOS(iPad)

Output



Monitor



Ultra-Wide Monitor



HDTV



Projector

Video Interface



USB-C



DisplayPort



USB Type-A



HDMI

Image: Infographic detailing input devices (laptops, phones, tablets) and output devices (monitors, HDTVs, projectors) compatible with the UGREEN USB C to DisplayPort cable.

6. SPECIFICATIONS

Brand	UGREEN
Model	40610950348862
Connector Type	USB Type-C, DisplayPort
Cable Type	Braided Net
Resolution Support	16K@30Hz, 8K@120Hz, 4K@240Hz, 2K@480Hz
Bandwidth	40 Gbps
Special Features	HDR, HDCP2.3, VRR, ALLM, eARC, DTS, Dolby, DSC 1.2a
Material	Aluminum and Braided Nylon
Length	6.6 Feet
Color	Grey
Item Weight	0.11 Kilograms
Certification	RoHS

7. MAINTENANCE

To ensure the longevity and optimal performance of your UGREEN USB C to DisplayPort 2.1 Cable, follow these maintenance guidelines:

- **Cleaning:** Keep the cable and its connectors clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- **Handling:** Avoid sharp bends, kinks, or excessive pulling on the cable, especially near the connectors, to prevent internal wire damage.
- **Storage:** When not in use, coil the cable loosely and store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Connection:** Always grasp the connector housing when plugging or unplugging the cable, rather than pulling on the cable itself.



Image: Durability features of the UGREEN cable, highlighting its robust construction.

8. TROUBLESHOOTING

If you encounter issues with your UGREEN USB C to DisplayPort 2.1 Cable, please refer to the following common solutions:

- **No Display/Black Screen:**
 - Ensure both your source device and monitor are powered on.

- Verify that the USB-C port on your source device supports "DP Alt Mode" or is a Thunderbolt 3/4 port. Not all USB-C ports support video output.
- Check that the cable is securely connected to both the source device and the monitor.
- Try connecting to a different DisplayPort input on your monitor, if available.
- Restart your source device.

- **Flickering/Unstable Image:**
 - Ensure the cable connections are firm and not loose.
 - Reduce the resolution or refresh rate in your device's display settings to see if stability improves.
 - Update your graphics drivers on your source device to the latest version.

- **No Audio:**
 - Check the audio output settings on your source device to ensure audio is directed to the DisplayPort.
 - Verify the audio settings on your monitor.

9. OFFICIAL PRODUCT VIDEO

Video: An official UGREEN video showcasing the features and benefits of the DisplayPort 2.1 cable, including universal device connection, fast 40Gbps transfer, multi-screen display support, and durable construction.

10. WARRANTY AND SUPPORT

For detailed warranty information, product registration, or technical support, please visit the official UGREEN website or contact UGREEN customer service directly. Contact information can typically be found on the product packaging or the UGREEN official website.