UGREEN 25157_parent

UGREEN USB C to DisplayPort 1.4 Cable User Manual

Model: 25157_parent

1. Introduction

Thank you for choosing the UGREEN USB C to DisplayPort 1.4 Cable. This high-performance cable is designed to provide superior video and audio transmission from your USB-C or Thunderbolt 4/3 enabled device to a DisplayPort monitor, TV, or projector. Enjoy stunning 8K resolution, high refresh rates, and advanced features for an immersive viewing and gaming experience.



Image: The UGREEN USB C to DisplayPort 1.4 Cable, showcasing its USB-C and DisplayPort connectors and braided design.

2. Setup and Connection

Connecting your UGREEN USB C to DisplayPort 1.4 Cable is a straightforward process. Ensure your source device (laptop, phone, tablet) has a USB-C port that supports video output (DisplayPort Alternate Mode or Thunderbolt 3/4) and your display device has a DisplayPort input.

2.1 Compatibility Check

Before connecting, verify that your USB-C source device supports video output. Not all USB-C ports are capable of transmitting video signals.

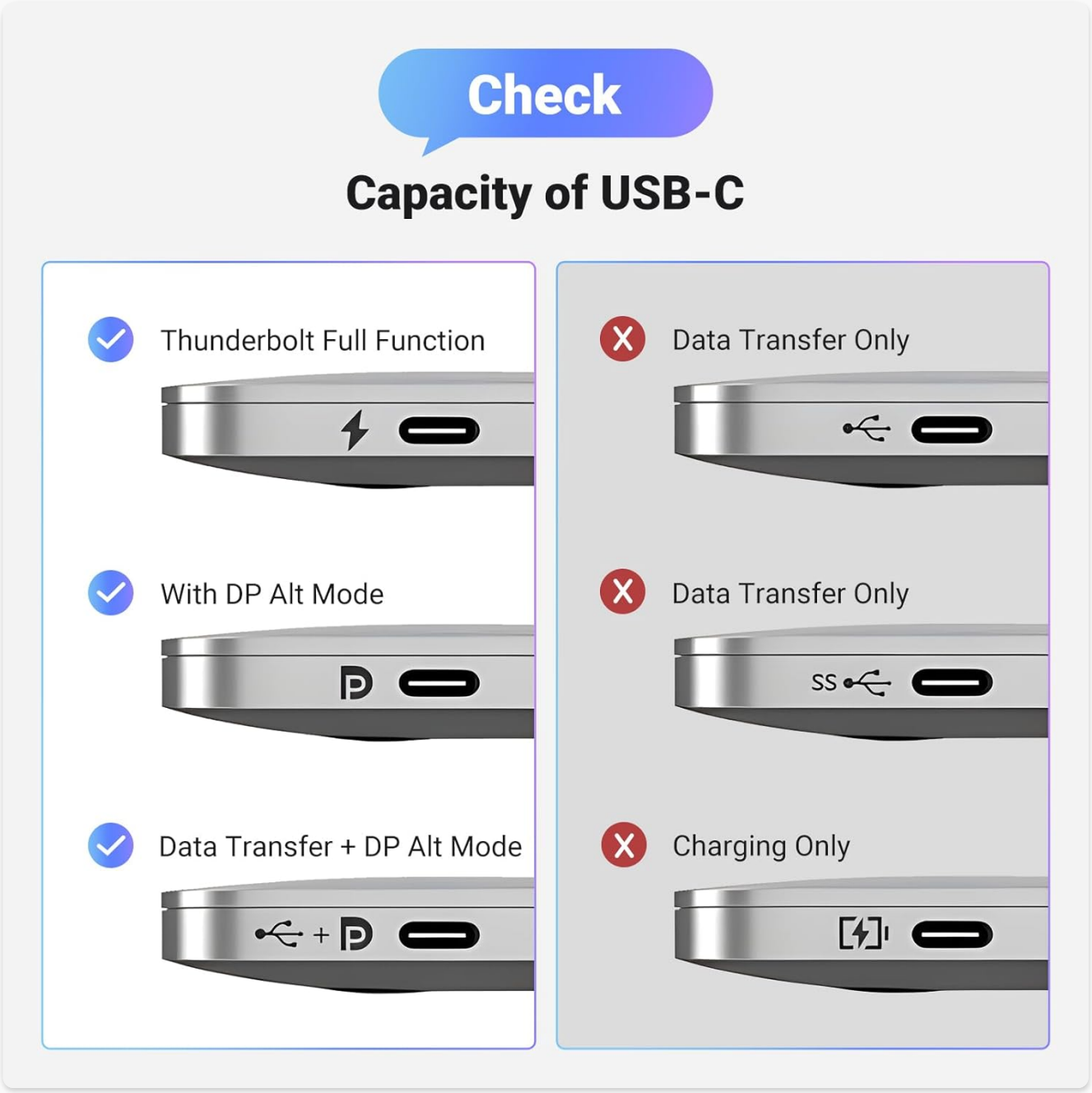


Image: A visual guide illustrating different USB-C port types and their capabilities, highlighting Thunderbolt Full Function, DP Alt Mode, and Data Transfer + DP Alt Mode as compatible options for video output.



Image: A detailed diagram showing various USB-C port icons and their corresponding functions, indicating which support video output (Thunderbolt, DP Alt Mode) and which do not (Data Transfer Only, Charging Only).

2.2 Connection Steps

1. Locate the USB-C port on your source device (e.g., laptop, smartphone, tablet).
2. Insert the USB-C end of the UGREEN cable into the USB-C port of your source device.
3. Locate the DisplayPort input on your monitor, TV, or projector.
4. Insert the DisplayPort end of the UGREEN cable into the DisplayPort input of your display device.
5. Ensure both connections are secure. The cable is uni-directional, meaning it only transmits from USB-C to DisplayPort.

Image: A diagram illustrating the correct uni-directional connection from a USB-C source device to a DisplayPort target device, emphasizing that USB-A to HDMI connections are not supported.



Image: A chart detailing wide compatibility for input devices (Laptops/PCs, Phones, Tablets) and output devices (Monitor, HDTV, Projector, Oculus Rift S), along with supported operating systems (Windows, macOS, Linux, iOS/iPadOS).

3. Operating Modes and Features

The UGREEN USB C to DisplayPort 1.4 Cable supports various display modes and advanced features to optimize your visual experience.

3.1 Display Modes

- **Mirror Mode:** Duplicate your source device's screen onto the external display. Ideal for presentations or sharing content.
- **Extend Mode:** Extend your desktop across multiple screens, allowing for increased productivity and multitasking.
- **Clamshell Mode:** For MacBooks, this mode allows you to use an external display with the MacBook lid closed, provided external power is connected.



Image: Three panels demonstrating Mirror Mode (duplicate screen), Extend Mode (expanded desktop), and Clamshell Mode (MacBook lid closed, external display active).

3.2 Multi-Stream Transport (MST)

This cable supports MST for daisy-chaining multiple monitors, providing flexibility for work or entertainment setups with several displays.



Image: A setup showing a laptop connected to multiple monitors via daisy chaining, illustrating the flexibility of having several displays for work or entertainment.

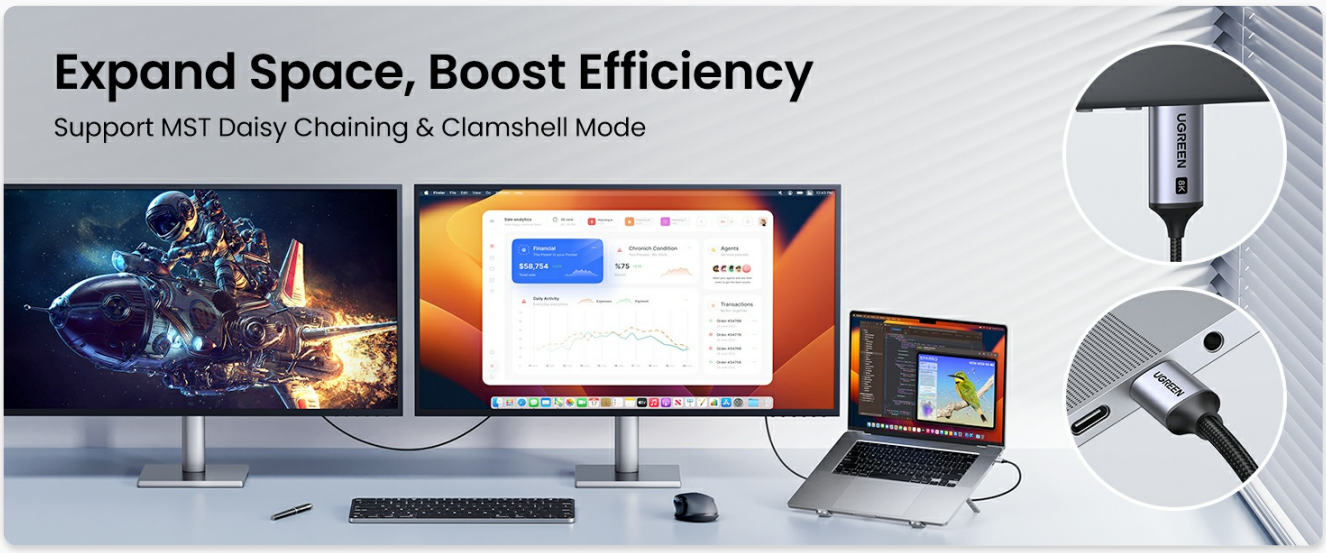


Image: A visual representation of a multi-monitor setup, emphasizing how MST Daisy Chaining and Clamshell Mode can expand workspace and boost efficiency.

3.3 High Resolution and Refresh Rate

Experience crystal-clear visuals with support for up to 8K@60Hz and 4K@240Hz resolutions. This cable ensures a smooth, non-flickering experience, especially crucial for gaming and high-definition content creation.



Image: A comparison showing the difference between 4K@30Hz and 8K@60Hz, highlighting the increased detail and clarity with 8K UHD resolution and faster data transmission of DP 1.4.

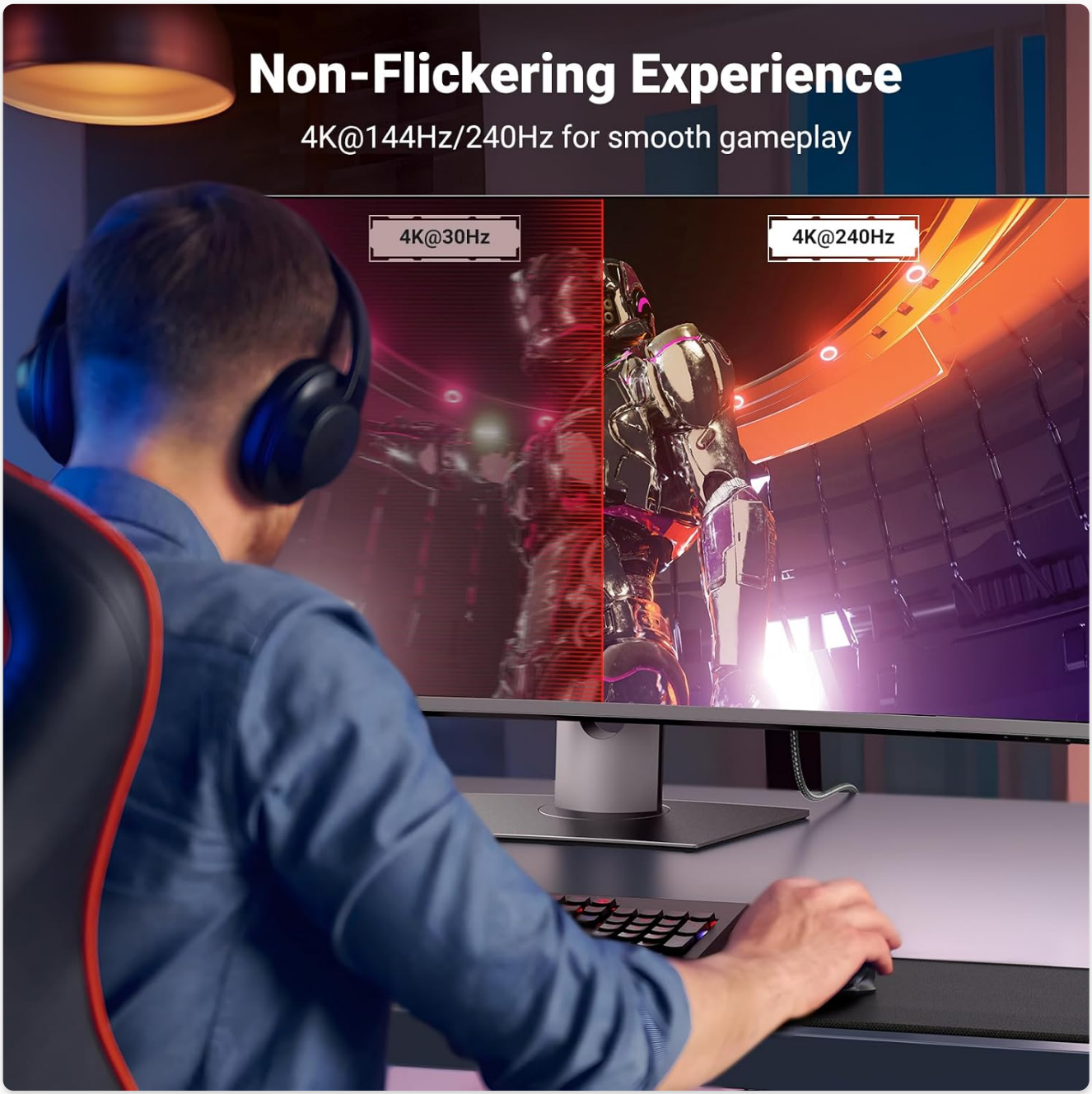


Image: A person gaming on a monitor, illustrating a non-flickering experience at 4K@144Hz/240Hz for smooth gameplay.



Image: A visual demonstrating 4K@240Hz for super smooth gaming, highlighting features like VRR (Variable Refresh Rate), ALLM (Auto Low Latency Mode), QMS (Quick Media Switching), and QFT (Quick Frame Transport), along with AMD Free-Sync and Nvidia G-Sync support.

Your browser does not support the video tag.

Video: This video demonstrates the visual capabilities of the UGREEN USB C to DisplayPort 1.4 cable, showcasing 8K@60Hz and 4K@240Hz resolutions for high-definition and high-refresh-rate visual needs, including immersive gaming and vivid colors for movies.

3.4 Dynamic HDR and Audio Support

Enjoy more realistic photographs and videos with brighter colors and higher contrast thanks to Dynamic HDR. The cable also supports flawless audio, including eARC, DTS, and Dolby, for an immersive viewing feast.



Image: A setup showing a phone connected to a large screen and external speakers, illustrating the ability to enjoy video with a bigger screen and enhanced audio (eARC, Dolby, DTS).

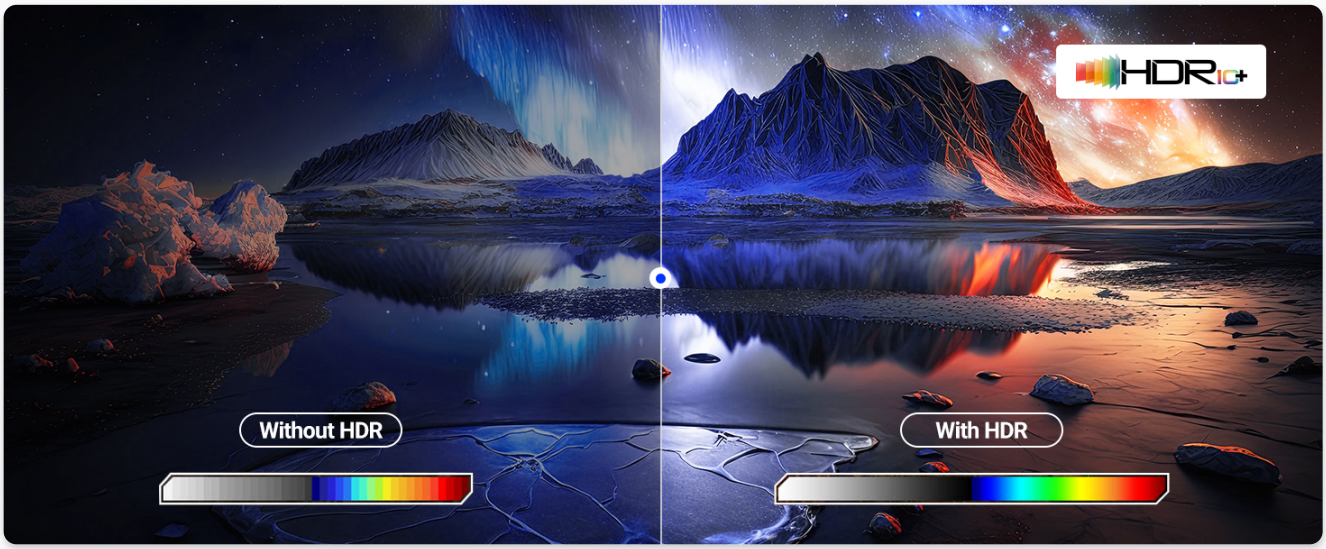


Image: A side-by-side comparison of an image displayed without HDR and with HDR, demonstrating the richer colors and contrast provided by HDR technology.

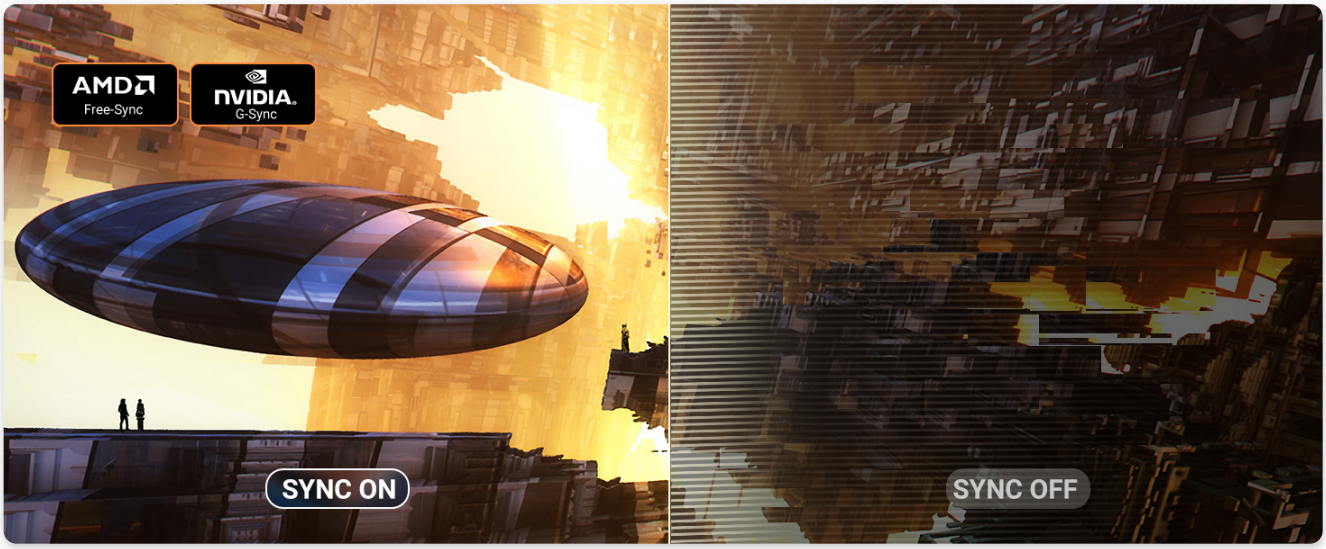


Image: A visual comparison of a gaming scene with SYNC ON (smooth) versus SYNC OFF (tearing/stuttering), highlighting the benefits of adaptive sync technologies like AMD Free-Sync and Nvidia G-Sync.

4. Maintenance and Care

The UGREEN USB C to DisplayPort 1.4 Cable is built with high-quality materials for durability and long-lasting performance.

4.1 Durable Design

- **Braided Nylon Cable:** Adds durability and strain relief, making it resistant to bending and tangling.
- **Premium Aluminum Alloy Case:** Provides greater heat dissipation and protects internal components.
- **High-Quality Connectors:** Ensure secure, high-speed data transmission and are designed to be unbreakable.
- **Thicker Copper Wire:** Maximizes conductivity while minimizing signal loss.

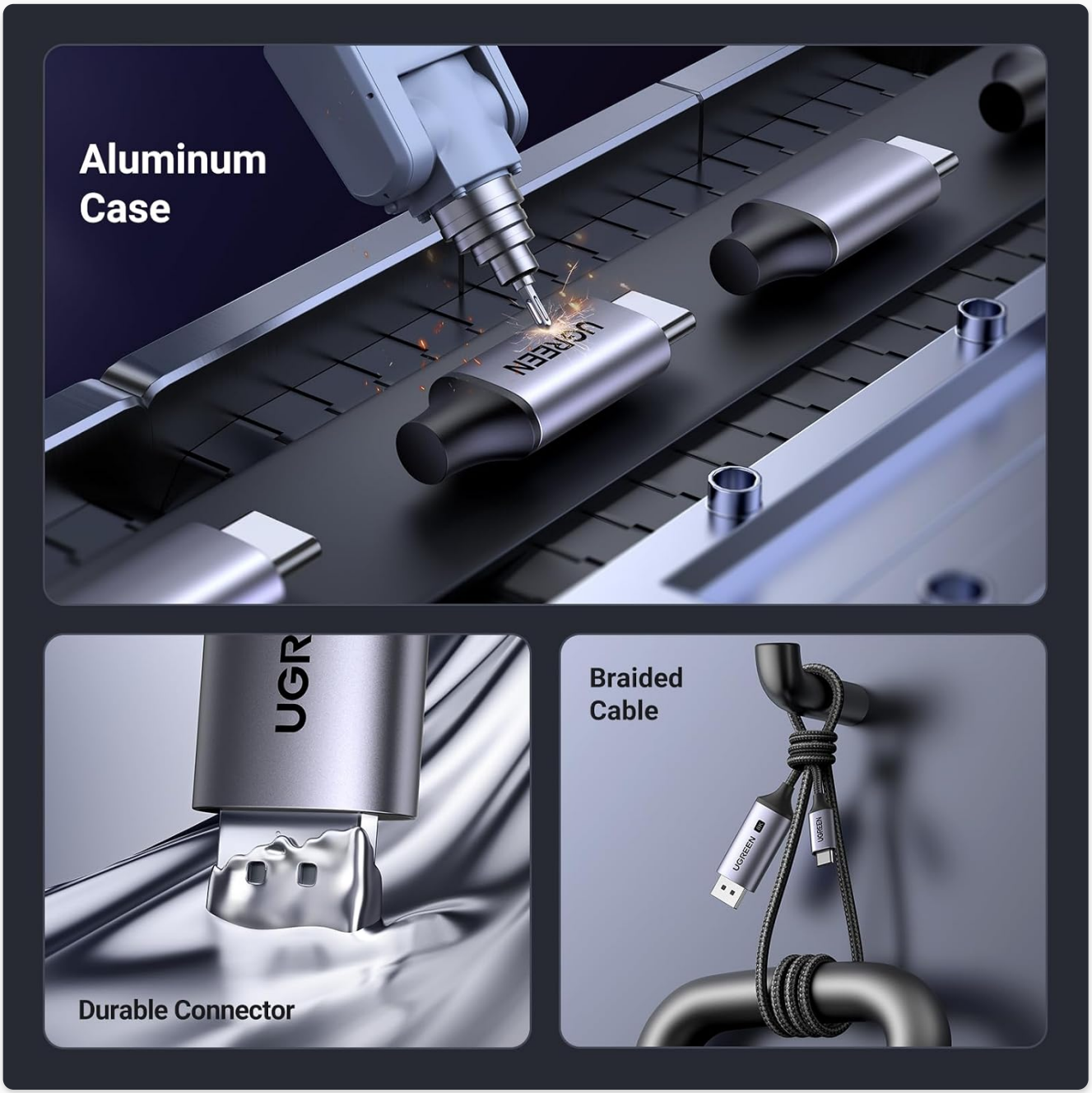


Image: Close-up views of the cable's construction, highlighting the aluminum case, durable connector design, and braided cable for enhanced durability.



Image: An exploded view of the cable's connector, revealing internal components designed for anti-surge and anti-EMC radiation, contributing to interference resistance and extended life.

Why Choose Displayport 1.4?

VESA Certified		Resolution	4K				8K		RBR (1.62 Gbit/s per lane)	RBR (2.70 Gbit/s per lane)	RBR (5.40 Gbit/s per lane)	RBR (8.10 Gbit/s per lane)	Max total bandwidth	Max total data rate	HDCP	HDR	DSC	Max audio channels
		Refresh Rate(Hz)	30	60	144	240	30	60										
DP Version	1.1		✓	✗	✗	✗	✗	✗	✓	✓	✗	✗	10.8Gbps	8.64Gbps	HDCP 1.3	✗	✗	8
	1.2		✓	✓	✗	✗	✗	✗	✓	✓	✓	✗	21.6Gbps	17.28Gbps	HDCP 1.3	✗	✗	8
	1.4		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	32.4Gbps	25.92Gbps	HDCP 2.2	✓	DSC 1.2	8

Image: A detailed close-up of the cable's internal circuitry within the connector, illustrating the design for anti-surge and anti-EMC radiation to ensure stable signal transmission.

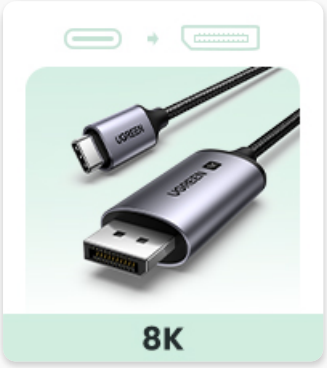


Image: A comparison highlighting the benefits of nylon braided cables (abrasion-resistant, heavy-duty, withstands 25,000 bends) over PVC cables (easily fractured, short service life).

4.2 General Care

- Avoid excessive bending or sharp angles, especially near the connectors.
- Store the cable in a clean, dry environment when not in use.
- Use the included Velcro tie for neat storage and travel.
- Do not expose the cable to extreme temperatures or direct sunlight for prolonged periods.

5. Troubleshooting

If you encounter issues with your UGREEN USB C to DisplayPort 1.4 Cable, try the following troubleshooting steps:

- **No Signal/Black Screen:**
  - Ensure both the USB-C and DisplayPort connectors are fully inserted into their respective ports.
  - Verify that your source device's USB-C port supports DisplayPort Alt Mode or Thunderbolt 3/4. Refer to your device's manual or manufacturer's specifications.
  - Check the input source on your monitor/TV to ensure it is set to the correct DisplayPort input.
  - Try restarting both your source device and the display.
  - Test the cable with another compatible device or display if available to rule out a device-specific issue.
- **Flickering Screen/Unstable Signal:**
  - Ensure the cable is not excessively bent or kinked.
  - Reduce the resolution or refresh rate settings on your source device to see if stability improves.
  - Check for any external interference sources (e.g., strong electromagnetic fields).
  - Update the graphics drivers on your source device.
- **No Audio:**
  - Ensure the audio output is set to the DisplayPort device in your computer's sound settings.
  - Check the volume levels on both your source device and the display.
- **Resolution/Refresh Rate Not as Expected:**
  - Confirm that both your source device and display support the desired resolution and refresh rate.
  - Ensure your source device's graphics settings are configured to output the desired resolution and refresh rate.
  - Note that the cable is uni-directional (USB C to DP).

6. Specifications

Feature	Detail
Model Number	25157_parent
Connector Type	USB Type-C to DisplayPort; Thunderbolt 4/3 to DP
Max Resolution	8K@60Hz (backward compatible with 4K@240Hz, 2K@240Hz)
Data Transfer Rate	Up to 32.4Gbps (DisplayPort 1.4)
Features Supported	Dynamic HDR, MST, DSC, HDCP2.3, VRR, ALLM, eARC, DTS, Dolby
Cable Material	Braided Nylon
Connector Housing	Premium Aluminum Alloy
Color	Grey
Product Dimensions	59.06 x 0.91 x 0.49 inches (for 3.3FT version)
Item Weight	1.62 ounces
Available Lengths	3.3FT, 6.6FT, 10FT



Image: A table comparing features of DisplayPort versions (1.1, 1.2, 1.4), highlighting the superior capabilities of DisplayPort 1.4 in terms of resolution, refresh rate, bandwidth, HDCP, HDR, and DSC.



Image: A visual representation of the different cable lengths available (3.3FT, 6.6FT, 10FT), allowing users to choose based on their needs.

7. Warranty and Support

For warranty information and customer support, please refer to the official UGREEN website or contact their customer service directly. Keep your purchase receipt for any warranty claims.
You can visit the UGREEN Store for more information:UGREEN Official Store

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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.

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