StarTech CDP2DP

StarTech.com USB-C to DisplayPort Adapter Instruction Manual

Model: CDP2DP

Introduction	Product Overview	Features	Setup	Operating	Maintenance	Troubleshooting
		Specifications		Warranty & Support		

1. INTRODUCTION

This instruction manual provides detailed information on the installation, operation, and maintenance of your StarTech.com USB-C to DisplayPort Adapter (Model: CDP2DP). This adapter allows you to connect a DisplayPort monitor to a USB Type-C port on your laptop or other compatible device, enabling high-resolution video and audio output. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage.

2. PRODUCT OVERVIEW

The StarTech.com USB-C to DisplayPort Adapter is a compact and portable solution for extending your display. It supports high resolutions, including 4K at 60Hz and 8K at 30Hz, leveraging the DisplayPort Alternate Mode (Alt Mode) functionality of USB-C.

Image: The StarTech.com USB-C to DisplayPort Adapter, featuring a black compact dongle with a short cable and a USB-C connector.

2.1 Package Contents

- (1) USB-C to DisplayPort Adapter (CDP2DP)

2.2 Product Dimensions

- **Product Dimensions:** 7.1 x 1.5 x 0.6 inches (18.03 x 3.81 x 1.52 cm)
- **Item Weight:** 0.64 ounces (18.14 grams)

Image: The product packaging displaying the adapter and its physical dimensions: 1.6 inches (4.1 cm) length, 1.5 inches (3.8 cm) width, 0.67 inches (1.7 cm) height for the adapter body, and a cable length of 5.5 inches (14 cm).

3. FEATURES

- **High Performance:** Supports DisplayPort 1.4, DisplayPort Alt Mode, HBR2, DSC, and 32.4Gbps bandwidth. Connects to a single DP display supporting 8K 30Hz UHD (7680x4320) and 2-channel audio. Compatible with HDCP 2.2/1.4 and Thunderbolt 3.

- **Wide Compatibility:** Tested for peak performance at 8K 30Hz with various DP monitors from brands like Dell UltraSharp, Samsung, Asus ProArt, Acer, and LG. Backward compatible with 4K and 1080p displays.

- **Enhanced Image Quality:** Features a unique video signal booster that amplifies the signal, ensuring reliable performance even with lower quality cables. This amplifier also increases the maximum supported DisplayPort cable length compared to standard adapters.

- **Easy to Use:** Supports driverless plug-and-play setup. Compatible with macOS, Windows 10, Ubuntu, and Chrome OS. Works with any USB Type-C (DisplayPort over USB-C) or Thunderbolt 3 device.

- **Portable Design:** Compact and lightweight, making it easy to carry in a laptop bag. Ideal for mobile professionals

and BYOD (Bring Your Own Device) environments.

4. Setup

The StarTech.com USB-C to DisplayPort Adapter is designed for simple plug-and-play operation, requiring no additional drivers for most operating systems.

4.1 System Requirements

- A host device with an available USB Type-C port that supports DisplayPort Alternate Mode (DP Alt Mode) or Thunderbolt 3.
- A DisplayPort enabled monitor or display.
- A DisplayPort cable (not included).
- Supported Operating Systems: Windows 10, macOS, Ubuntu, Chrome OS.

4.2 Connecting the Adapter

1. Connect the USB-C male connector of the CDP2DP adapter to an available USB Type-C port on your laptop, computer, or other compatible device. Ensure the USB-C port supports DisplayPort Alt Mode or is a Thunderbolt 3 port.
2. Connect one end of a DisplayPort cable (not included) to the DisplayPort female port on the CDP2DP adapter.
3. Connect the other end of the DisplayPort cable to the DisplayPort input on your monitor or display.
4. Your display should automatically detect the signal from your device. If not, you may need to manually select the DisplayPort input on your monitor.

Hassle-Free Video Connectivity for Your Laptop or MacBook with USB-C

No Drivers to Install

Ideal for Travel

Small Lightweight Design

Image: A laptop connected to an external monitor via the USB-C to DisplayPort adapter, illustrating the plug-and-play setup and compact design.

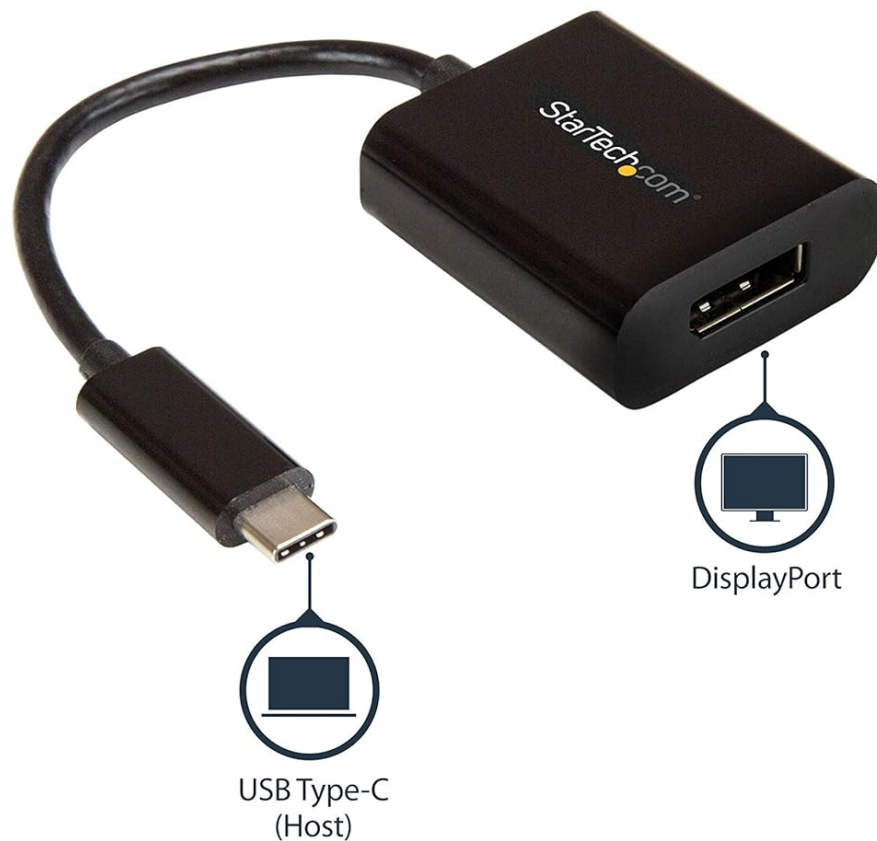# USB-C to DisplayPort Video Connectivity with Travel in Mind

Image: A diagram showing the connection flow from a USB Type-C (Host) device to a DisplayPort monitor via the StarTech.com adapter.

5. OPERATING INSTRUCTIONS

Once connected, the adapter functions as a direct video and audio pass-through from your USB-C enabled device to your DisplayPort monitor.

5.1 Display Modes

- **Extended Desktop:** Allows you to extend your desktop across multiple monitors, providing more screen space for multitasking.
- **Mirrored Display (Duplicate):** Duplicates your primary display onto the connected DisplayPort monitor, ideal for presentations or sharing content.
- **Primary Display:** Sets the connected DisplayPort monitor as your main display.

These display modes can be configured through your operating system's display settings (e.g., Display Settings in Windows, System Preferences > Displays in macOS).

5.2 Supported Resolutions

The adapter supports resolutions up to 8K (7680x4320) at 30Hz and 4K (3840x2160) at 60Hz. The actual resolution and refresh rate will depend on the capabilities of your source device, DisplayPort cable, and connected monitor.

6. MAINTENANCE

To ensure the longevity and optimal performance of your StarTech.com USB-C to DisplayPort Adapter, follow these maintenance guidelines:

- Keep the adapter clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the adapter to extreme temperatures, humidity, or direct sunlight.
- Do not bend or crimp the cable excessively.
- Store the adapter in a cool, dry place when not in use.

6.1 Important Safety Warnings

Please observe the following safety warnings to prevent injury or damage to the product:

- **Electrical Hazards:** Do not use damaged or frayed cables. Exposed wires can lead to electric shocks. Always ensure cables are properly seated and undamaged.
- **Heat Buildup:** Overloaded or tightly bundled cables can overheat and pose a fire hazard. Ensure adequate ventilation and avoid bundling too many cables.
- **Damage:** Always unplug adapters by holding the plug, not the cable. Pulling by the cable can expose live wires, which could lead to electrical shocks or burns.

Image: A warning label from StarTech.com detailing electrical hazards, heat buildup, and damage prevention in multiple languages.

7. TROUBLESHOOTING

If you encounter issues with your USB-C to DisplayPort adapter, refer to the following common problems and solutions:

7.1 No Display Output

- **Check Connections:** Ensure both the USB-C connector and the DisplayPort cable are securely plugged into their respective ports. Try unplugging and re-plugging them.
- **Verify USB-C Port Compatibility:** Confirm that your laptop's USB-C port supports DisplayPort Alternate Mode (DP

Alt Mode) or is a Thunderbolt 3 port. Not all USB-C ports support video output.

- **Monitor Input Selection:** Make sure your monitor is set to the correct DisplayPort input source.
- **Test with Another Cable/Monitor:** If possible, try using a different DisplayPort cable or connecting to another monitor to rule out cable or monitor issues.
- **Restart Devices:** Restart your laptop and monitor.

7.2 Low Resolution or Incorrect Refresh Rate

- **Check Display Settings:** Adjust the resolution and refresh rate in your operating system's display settings.
- **Cable Quality:** Ensure you are using a high-quality DisplayPort cable that supports the desired resolution and refresh rate (e.g., DP 1.4 for 8K 30Hz).
- **Source Device Capability:** Confirm that your source device's graphics card supports the desired resolution and refresh rate.

7.3 Intermittent Connection / Signal Drops

- **Secure Connections:** Ensure all connections are firm and not loose.
- **Cable Integrity:** Inspect the DisplayPort cable for any damage or kinks. A damaged cable can cause signal instability.
- **Power Management:** Check your laptop's power settings to ensure it's not entering a low-power state that affects video output.
- **Adapter Position:** Ensure the adapter is not being stressed or bent at the connection points.

7.4 Adapter Not Recognized

- **Try Another USB-C Port:** If your device has multiple USB-C ports, try connecting the adapter to a different one.
- **Update Drivers:** Ensure your graphics drivers and USB-C controller drivers are up to date on your computer.

8. SPECIFICATIONS

Attribute	Value
Product Model Number	CDP2DP
Product Dimensions (L x W x H)	7.1 x 1.5 x 0.6 inches (18.03 x 3.81 x 1.52 cm)
Item Weight	0.64 ounces (18.14 grams)
Color	Black
Connector Type	USB-C Male to DisplayPort Female
Max Resolution Supported	8K (7680x4320) @ 30Hz, 4K (3840x2160) @ 60Hz
DisplayPort Standard	DisplayPort 1.4 (HBR2, DSC)
Audio Support	2-channel Audio
HDCP Support	HDCP 2.2 / 1.4
Thunderbolt 3 Compatible	Yes

Attribute	Value
USB Power Delivery	Not supported (for model CDP2DP)
Compatible Devices	Audio/Video Device, Chromebook, Laptop, MacBook Pro, Monitor, iPad Pro
Manufacturer	StarTech.com
Date First Available	February 15, 2017

9. WARRANTY AND TECHNICAL SUPPORT

9.1 Product Warranty

This StarTech.com USB-C to DisplayPort Adapter (CDP2DP) is backed by a **3-year StarTech.com warranty**. For specific warranty terms and conditions, please refer to the official StarTech.com website or contact their customer support.

9.2 Technical Support

StarTech.com offers comprehensive technical support to assist you with any questions or issues regarding your product. You can find support resources, FAQs, and contact information on their official website.

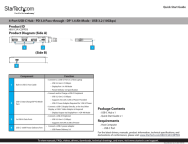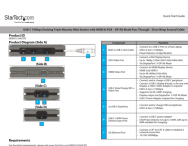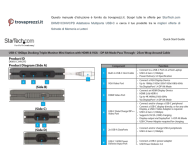Visit the **StarTech.com Store on Amazon** for more information and support.

For additional product information, including the latest drivers and manuals, please visit the product page on the StarTech.com website using the following link: **http://www.StarTech.com/Q/CDP2DP**

Related Documents - CDP2DP

	StarTech.com USB-C Multi-Monitor Docking Station DK31C3MNCRUE - 7-Port Hub, 4K, 60W PD Explore the StarTech.com DK31C3MNCRUE USB-C docking station. Features include multi-monitor support (up to 4K), a 7-port USB hub, 60W Power Delivery, Gigabit Ethernet, and Works with Chromebook certification.
	StarTech.com 2m USB-C Cable - USB 3.2 Gen 1 (5Gbps), 100W PD, 4K60Hz DP Alt Mode, L-Shape Connector (RUSB315CC2MBR) High-durability 2-meter USB-C to USB-C cable from StarTech.com. Supports USB 3.2 Gen 1 (5Gbps) data transfer, 100W Power Delivery, and 4K60Hz video output via DisplayPort Alt Mode. Features an L-shape connector for tight spaces and reinforced construction for longevity. Model RUSB315CC2MBR.

	[StarTech.com 4-Port USB-C Hub: PD 3.0, DP 1.4 Alt-Mode, USB 3.2 10Gbps - Quick Start Guide](#) Quick start guide for the StarTech.com HB31C3A1CDPPD3 4-Port USB-C Hub. Learn how to connect your devices, utilize PD 3.0 charging, DP 1.4 Alt-Mode video output, and USB 3.2 10Gbps data transfer.
	[StarTech.com DKM31C3HVCPD USB-C 10Gbps Docking Station Quick-Start Guide | HDMI, VGA, Ethernet, PD](#) Quick-start guide for the StarTech.com DKM31C3HVCPD USB-C 10Gbps docking station. Learn how to connect multiple monitors (HDMI, VGA), USB devices, and Ethernet, plus utilize 100W Power Delivery pass-through.
	[StarTech.com DKM31C3HVCPD USB-C Docking Station - Triple Monitor, 10Gbps, HDMI, VGA, Ethernet](#) Quick start guide for the StarTech.com DKM31C3HVCPD USB-C docking station. Learn how to connect triple monitors (HDMI/VGA), high-speed USB-A and USB-C peripherals, and Gigabit Ethernet. Includes installation steps and product specifications.
	[StarTech.com 107B-USB-HDMI Dual USB 3.1 to HDMI Adapter Quick Start Guide](#) Quick start guide for the StarTech.com 107B-USB-HDMI Dual USB 3.1 to HDMI Adapter. Learn about requirements, package contents, driver installation, and setup for connecting to HDMI displays.