

## StarTech.com USBC-HDMI-CDP2HD4K60

# StarTech.com USB-C to HDMI Adapter (4K 60Hz, HDR10) Instruction Manual

Model: USBC-HDMI-CDP2HD4K60

## 1. INTRODUCTION AND OVERVIEW

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The StarTech.com USB-C to HDMI Adapter provides a solution for connecting USB-C enabled devices to an HDMI display. This adapter supports video resolutions up to 4K at 60Hz (3840 x 2160) and High Dynamic Range (HDR10) for enhanced visual quality. It is designed for use with laptops, tablets, and other devices featuring a USB-C port that supports DisplayPort Alternate Mode (DP Alt Mode).

The adapter is built for durability and reliability, featuring EMI shielding and a robust design suitable for various environments.



Image 1.1: The StarTech.com USB-C to HDMI Adapter, illustrating its USB-C input and HDMI 2.0b output, capable of 4K 60Hz video.

## 2. SETUP INSTRUCTIONS

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This adapter is designed for plug-and-play functionality, requiring no additional software or drivers for most operating systems.

1. **Connect the HDMI Cable:** Plug one end of an HDMI cable (not included) into the HDMI output port of

the StarTech.com USB-C to HDMI Adapter.

2. **Connect to Display:** Plug the other end of the HDMI cable into an available HDMI input port on your monitor, television, or projector.
3. **Connect to Source Device:** Plug the USB-C connector of the adapter into a USB-C port on your laptop, tablet, or smartphone that supports DisplayPort Alternate Mode.
4. **Power On:** Ensure both your source device and display are powered on. The display should automatically detect the signal from the adapter.

If the display does not automatically appear, you may need to manually select the correct HDMI input on your display using its input/source selection menu.

### 3. OPERATING YOUR ADAPTER

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Once connected, your display should mirror or extend your source device's screen. You can configure display settings through your operating system.

- **Resolution and Refresh Rate:** To achieve 4K 60Hz, ensure your source device, HDMI cable, and display all support these specifications. Adjust resolution and refresh rate settings in your operating system's display preferences.
- **High Dynamic Range (HDR):** For HDR functionality, your USB-C port must support DisplayPort 1.4, and your display must support HDMI 2.0b. Enable HDR in your operating system's display settings if available.
- **Audio:** The adapter transmits audio along with video. Ensure your display's audio output is selected in your device's sound settings if you wish to use the display's speakers.
- **Display Modes:** You can typically choose between 'Duplicate' (mirror) or 'Extend' (additional monitor) display modes in your operating system's display settings.



Image 3.1: A laptop connected to an external monitor, showcasing the adapter's capability to extend or duplicate displays at 4K 60Hz with HDR10.

## 4. COMPATIBILITY

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### 4.1 Operating System Compatibility

- macOS
- Windows (including Windows 11)

- ChromeOS
- iPadOS
- No software or drivers required for operation.

## 4.2 Hardware Platform Compatibility

- Apple Silicon (MacBook)
- Intel Processors (Core, and Core Ultra)
- AMD Ryzen
- Snapdragon X
- iPhone / iPad Pro (with compatible USB-C port)
- Requires a USB-C port that supports DisplayPort Alternate Mode.

## 4.3 Technology Compatibility

- Thunderbolt 3 / 4 / 5
- USB4
- USB-C 5Gbps



Image 4.1: A visual representation of the adapter's broad compatibility across various operating systems, hardware platforms, and USB-C technologies.

## 5. CARE AND MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the adapter. Avoid using liquid cleaners or solvents, as they may damage the device.
- **Storage:** Store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid bending or twisting the cable excessively. Do not pull on the cable to disconnect the adapter; always grasp the connector housing.
- **Protection:** The adapter features a metal inner housing for EMI shielding, a high-impact plastic shell, and a heavy-duty cable with molded strain relief for enhanced durability.



Image 5.1: Detailed view of the adapter's construction, emphasizing its EMI shielding, high-impact plastic casing, and robust cable design for long-term reliability.

## 6. TROUBLESHOOTING

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

- **No Display or Signal:**
  - Ensure all cables are securely connected to both the source device and the display.
  - Verify that your source device's USB-C port supports DisplayPort Alternate Mode.
  - Check that your display is set to the correct HDMI input source.
  - Test with a different HDMI cable or display if possible to rule out other component issues.
  - Restart your source device.
- **Flickering Screen or Intermittent Signal:**
  - Ensure the HDMI cable is of high quality and rated for 4K 60Hz.
  - Reduce the display resolution or refresh rate in your device's display settings to see if stability improves.
  - Check for any potential electromagnetic interference from other devices.
- **Incorrect Resolution or Refresh Rate:**
  - Access your operating system's display settings and manually select the desired resolution and refresh rate.
  - Confirm that your display and source device both support the desired resolution and refresh rate.
- **HDR Not Working:**
  - Verify that your source device's USB-C port supports DisplayPort 1.4.
  - Confirm that your display supports HDMI 2.0b and has HDR enabled in its settings.
  - Enable HDR in your operating system's display settings.
- **No Audio:**
  - Check your source device's sound settings to ensure the HDMI output is selected as the default audio device.
  - Verify that your display's volume is not muted or set too low.

## 7. TECHNICAL SPECIFICATIONS

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Feature	Specification
Model Number	USBC-HDMI-CDP2HD4K60
Connector Type	USB Type-C (Male), HDMI (Female)
Max Resolution	4K (3840 x 2160) at 60Hz
HDR Support	HDR10
Chroma Subsampling	4:4:4 (requires DisplayPort 1.4 on USB-C source)
Compatible Devices	USB-C Laptops, Desktops, Tablets, Smartphones (with DP Alt Mode) to HDMI Monitors, Televisions, Projectors
Color	Silver
Item Dimensions (L x W x H)	1.7 x 0.9 x 0.4 inches (4.3 x 2.3 x 1.0 cm)
Item Weight	18.14 g (0.64 oz)
Warranty Description	3-Year Limited Warranty

## 8. WARRANTY AND TECHNICAL SUPPORT

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This StarTech.com USB-C to HDMI Adapter is backed by a **3-Year Limited Warranty**. For detailed warranty information, please refer to the official StarTech.com website.

StarTech.com offers **Free 24/5 Multi-Lingual Assistance** from experienced technical advisors. If you require further assistance or have questions not covered in this manual, please visit the StarTech.com support page or contact their customer service directly.

For the most up-to-date support resources and contact information, please visit: [www.startech.com/support](http://www.startech.com/support)