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LENTION CB-TP-C52s-GRY-US-1

LENTION USB C to HDMI & DisplayPort Adapter (C52s) Instruction Manual

Model: CB-TP-C52s-GRY-US-1

Overview **Setup** **Operation** **Specifications** **Troubleshooting** **Maintenance** **Warranty & Support**

1. Product Overview

The LENTION USB C to HDMI & DisplayPort Adapter (C52s) is designed to expand the display capabilities of your USB-C enabled device. It allows you to connect one or two external monitors, supporting resolutions up to 4K. This adapter is ideal for extending your desktop or mirroring your display for enhanced productivity or entertainment.

Image: Close-up view of the LENTION USB C to HDMI & DisplayPort Adapter (C52s), showcasing its compact design and port layout.

2. Setup Instructions

Follow these steps to connect your LENTION USB C to HDMI & DisplayPort Adapter to your device and external monitors.

1. **Connect the Adapter:** Plug the USB-C connector of the adapter into a compatible USB-C port on your laptop, tablet, or smartphone. Ensure your device's USB-C port supports video output (DisplayPort Alternate Mode).
2. **Connect External Monitors:**
   - **Single Monitor Connection:** Connect an HDMI cable from your monitor to the HDMI port on the adapter,*or* connect a DisplayPort cable from your monitor to the DisplayPort on the adapter. This configuration supports up to 4K (3840x2160) at 60Hz.
   - **Dual Monitor Connection:** Connect one monitor using an HDMI cable to the HDMI port and another monitor using a DisplayPort cable to the DisplayPort on the adapter. This configuration supports up to two 4K (3840x2160) displays at 30Hz simultaneously.
3. **Power On Devices:** Ensure both your host device and external monitors are powered on.

4. **Configure Display Settings:** Your operating system should automatically detect the external displays. You may need to adjust display settings (e.g., resolution, orientation, extended/mirror mode) within your device's display preferences.

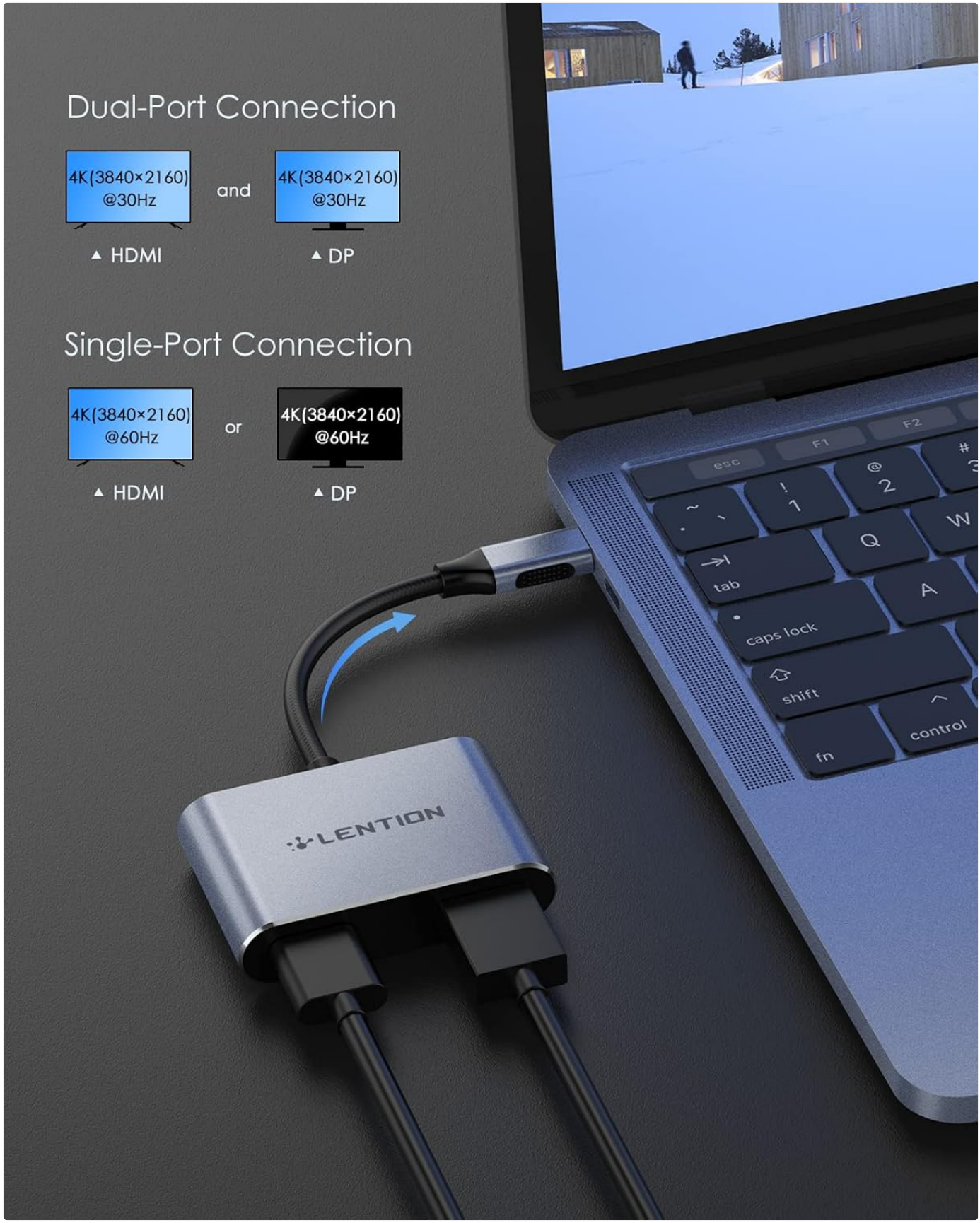

Image: Diagram illustrating how to connect one or two external monitors using the HDMI and DisplayPort outputs, detailing supported resolutions for single (4K@60Hz) and dual (two 4K@30Hz) connections.

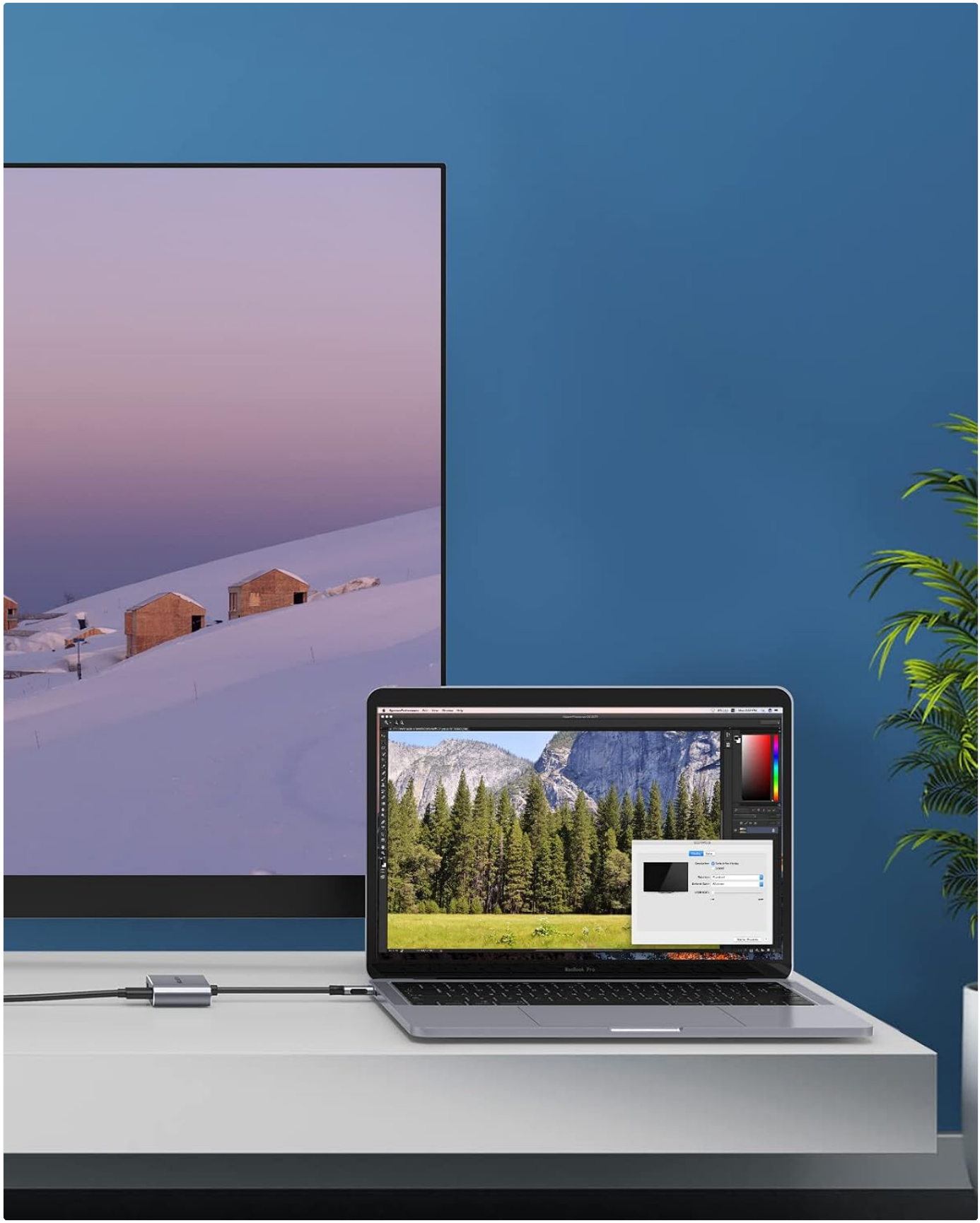

Image: The LENTION USB C adapter connected to a laptop, extending the display to an external monitor, demonstrating a typical setup.

3. Operating Instructions

Once connected, the adapter facilitates various display configurations depending on your operating system.

3.1. Windows Operating System

For Windows users, the adapter supports both extended and duplicated display modes across multiple monitors.

- **Extended Display (ABC):** Each monitor displays different content, allowing for a larger workspace.
- **Duplicated Display (AAA):** All monitors display the same content, useful for presentations or sharing content.

3.2. Mac OS Operating System

Mac OS users can utilize the adapter for desktop extending or mirroring.

- **Desktop Extending (ABB):** The external monitors extend your desktop, providing more screen real estate.
- **Mirroring (AAA):** The external monitors duplicate your primary display.

Image: Visual representation of display configurations for Windows (triple different or duplicated displays) and Mac OS (desktop extending or mirroring) when using the LENTION USB C adapter.

3.3. Stable Driver 3.0 Technology

This adapter incorporates LENTION's Stable Driver 3.0 technology, designed to ensure reliable and consistent performance.

- **Stable Working Status:** All interfaces can be used simultaneously and stably without interruption.

- **Safety Using Temperature:** The design ensures a reasonable operating temperature that does not negatively affect the equipment's lifespan.
- **Non-Interactive:** Plugging or unplugging any interface does not interrupt the functionality of other connected interfaces.

Image: A graphic detailing the benefits of Stable Driver 3.0, including stable working status, safe operating temperature, and non-interactive port functionality.

4. Specifications

Below are the technical specifications for the LENTION USB C to HDMI & DisplayPort Adapter (C52s).

Feature	Specification
Brand	LENTION
Model Number	CB-TP-C52s-GRY-US-1
Input Connector	USB-C
Output Connectors	1 x HDMI, 1 x DisplayPort
Single Display Resolution	Up to 4K (3840x2160) @ 60Hz (HDMI or DisplayPort)
Dual Display Resolution	Up to two 4K (3840x2160) @ 30Hz (HDMI + DisplayPort)
Item Weight	0.06 Kilograms
Input Voltage	20 Volts
Current Rating	3 Amps
Power Plug Type	No Plug (Bus-powered)

5. Troubleshooting

If you encounter issues while using the adapter, please refer to the following common solutions:

- **No Display/Flickering Screen:**
  - Ensure all cables (USB-C, HDMI, DisplayPort) are securely connected.
  - Verify your host device's USB-C port supports video output (DisplayPort Alternate Mode).
  - Try connecting a single monitor first to isolate the issue.
  - Update your graphics drivers on your host device.
  - Test with different HDMI/DisplayPort cables and monitors if possible.
- **Incorrect Resolution/Refresh Rate:**
  - Adjust the display settings in your operating system.
  - Ensure your monitors and cables support the desired resolution and refresh rate.
  - Note that dual 4K displays are limited to 30Hz.
- **Adapter Overheating:**
  - While the adapter is designed for safe temperatures, ensure it has adequate ventilation and is not covered.
  - Reduce the number of connected displays or lower resolutions if overheating persists.
- **Intermittent Connection:**
  - Ensure the USB-C port on your host device is clean and free of debris.
  - Avoid bending the adapter's cable excessively, as this can damage internal wiring over time.

6. Maintenance

To ensure the longevity and optimal performance of your LENTION USB C to HDMI & DisplayPort Adapter, follow these

maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the adapter. Avoid liquid cleaners or abrasive materials.
- **Storage:** Store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping the adapter or subjecting it to strong impacts. Do not pull on the cable to disconnect it; always grasp the connector.
- **Cable Care:** Do not excessively bend or twist the integrated USB-C cable, as this can cause internal damage.

7. Warranty and Support

LENTION products are designed for reliability and performance. For specific warranty information, please refer to the warranty card included with your purchase or visit the official LENTION website.

If you require technical assistance or have questions about your product, please contact LENTION customer support through their official channels. Provide your product model number (CB-TP-C52s-GRY-US-1) and a detailed description of your issue for faster service.

LENTION Official Website: www.lention.com

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