Lemorele LD48

Lemorele HDMI to USB-C Adapter User Manual

Model: LD48
Brand: Lemorele

1. Introduction

The Lemorele HDMI to USB-C Adapter is designed to convert an HDMI signal to a USB-C video output, enabling connection from various HDMI-enabled devices to USB-C compatible displays or AR glasses. This adapter supports video resolutions up to 4K at 60Hz, providing a high-quality visual experience for movies, games, and other content. It is a plug-and-play device, requiring no additional drivers or software for operation.



Figure 1.1: The Lemorele HDMI to USB-C Adapter, showcasing its compact design with HDMI input and USB-C output ports.

2. Key Features

- **HDMI to USB-C Conversion:** Converts HDMI video signals to USB-C for display on compatible devices.
- **4K UHD Performance:** Supports video resolutions up to 4K at 60Hz, backward compatible with 1080p and 720p.
- **Plug and Play:** Easy to use with no WiFi, personal hotspot, application, or driver installation required.
- **Power Input:** Features a miniature USB-C port for powering the adapter itself. Note: If the connected monitor requires power, it must be supplied separately.
- **Wide Compatibility:** Compatible with a broad range of HDMI source devices and USB-C display devices.

3. Setup Guide

Follow these steps to set up your Lemorele HDMI to USB-C Adapter:

1. **Connect HDMI Source:** Plug the HDMI cable from your source device (e.g., game console, PC, Apple TV) into the HDMI input port of the Lemorele adapter.
2. **Connect USB-C Display:** Connect the USB-C cable from your display device (e.g., AR glasses, portable monitor) to the USB-C output port of the Lemorele adapter.
3. **Provide Power (Optional but Recommended):** Connect a miniature USB-C cable to the power input port on the adapter and connect the other end to a 5V power source (e.g., USB wall charger, power bank). This powers the adapter itself.
4. **Power for Monitor (If Needed):** If your USB-C monitor requires external power, ensure it is connected to its own separate power supply.
5. **Verify Connection:** Ensure all cables are securely connected. The adapter should automatically detect the signal and display it on your USB-C device.

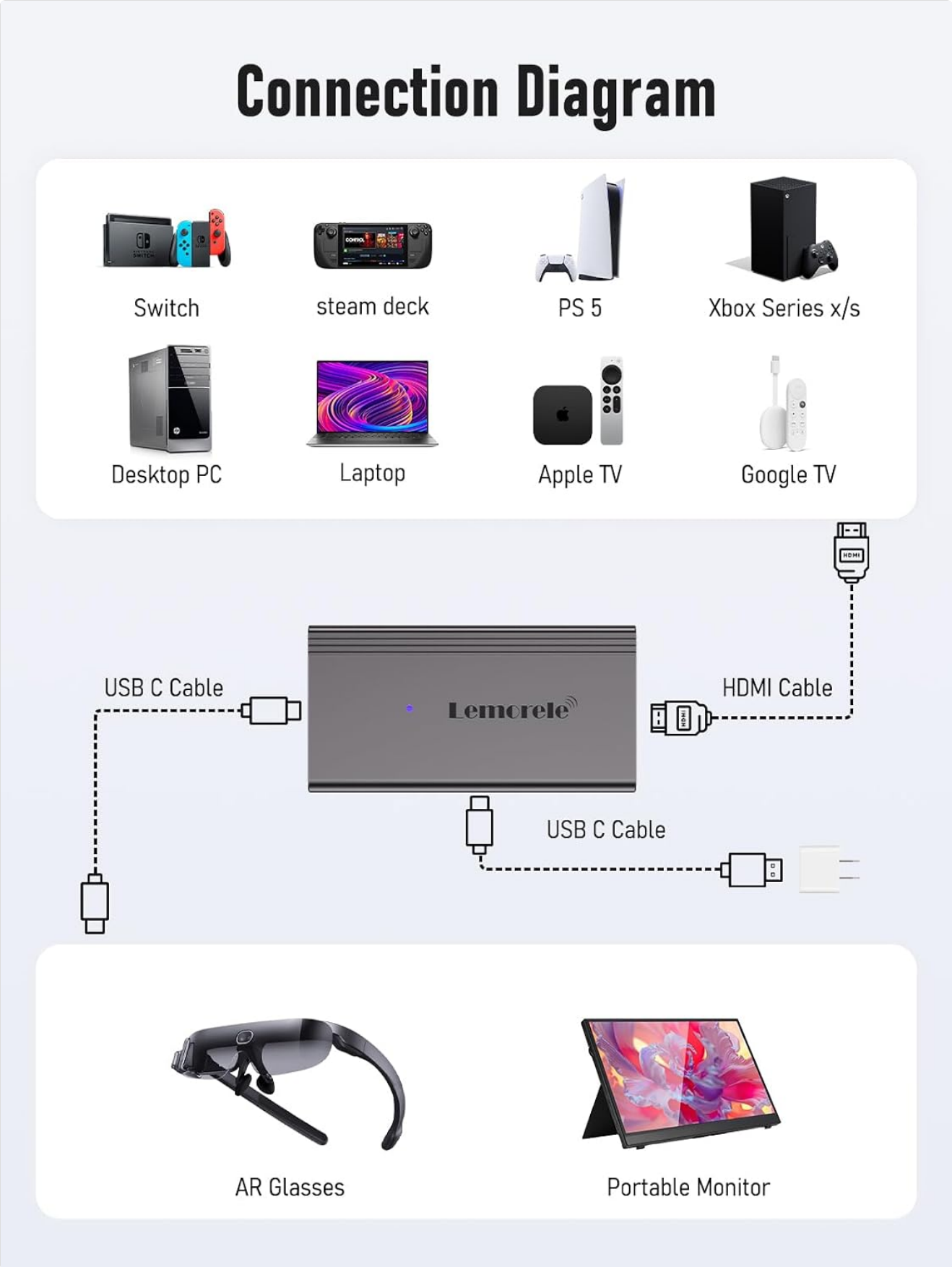


Figure 3.1: Connection Diagram illustrating how to connect the adapter to various devices like Switch, Steam Deck, PS5, Xbox, Desktop PC, Laptop, Apple TV, Google TV, AR Glasses, and Portable Monitors.

4. Operation

The Lemorele HDMI to USB-C Adapter operates on a plug-and-play principle. Once connected correctly, it will automatically transmit the video signal from your HDMI source to your USB-C display.

Using with AR Glasses

Connect your HDMI source (e.g., game console, PC) to the adapter's HDMI input, and then connect your AR glasses (e.g., Nreal Air, Rokid Air, RayNeo AR, GRAWOOW) to the adapter's USB-C output. This allows you to experience content from your HDMI device in a virtual theater environment through your AR glasses.



Figure 4.1: A user enjoying a virtual theater experience with AR glasses connected via the Lemorele adapter to a media source.

Using with Portable Monitors

Connect your laptop or desktop PC's HDMI output to the adapter, and then connect your USB-C portable monitor to the adapter's USB-C output. This setup is ideal for extending your display for productivity or entertainment on the go.



Figure 4.2: A laptop connected to a portable USB-C monitor using the Lemorele adapter, demonstrating an extended display setup.

5. Compatibility

The Lemorele HDMI to USB-C Adapter offers broad compatibility with various devices:

HDMI Source Devices:

- Game Consoles: Switch Base, Steam Deck Base, PS4, PS5, Xbox Series X/S
- Streaming Devices: Apple TV, Google TV
- Computers: Desktop PCs, Laptops with HDMI output
- Other HDMI-enabled devices

USB-C Display Devices:

- AR Glasses: Nreal Air, Rokid Air, Thunderbird AR, GRAWOOW
- Portable Monitors with USB-C video input
- Other Type-C compatible displays that support video transmission

Important Note:
Not all USB-C ports support video output. Ensure that the USB-C port on your display device supports audio and video transmission (DisplayPort Alternate Mode) for proper functionality.

6. Specifications

Feature	Detail
Brand	Lemorele
Model Number	LD48
Hardware Interface	HDMI, USB Type-C
Video Resolution Support	Up to 4K@60Hz (backward compatible with 1080p, 720p)
Power Input	USB-C (for adapter power only)
Number of Ports	3 (1x HDMI In, 1x USB-C Out, 1x USB-C Power In)
Compatible Devices	Game Consoles, Televisions (as source), AR Glasses, Portable Monitors

7. Troubleshooting

- **No Signal/Display:**
  - Ensure all cables (HDMI, USB-C video, USB-C power for adapter) are securely connected.
  - Verify that your USB-C display device's port supports video input (DisplayPort Alternate Mode). Not all USB-C ports are designed for video output.
  - Try connecting the adapter to a different HDMI source or USB-C display to isolate the issue.
  - Ensure the adapter is receiving power via its miniature USB-C port.
- **Flickering/Unstable Display:**
  - Check the resolution and refresh rate settings on your HDMI source device. Ensure they are within the supported range of 4K@60Hz or lower.
  - Ensure the adapter is adequately powered.
  - Try using different HDMI and USB-C cables.

- **Audio Issues:**
  - Verify that your USB-C display device supports audio transmission over USB-C.
  - Check audio output settings on your HDMI source device.

8. Maintenance and Care

- **Cleaning:** Use a soft, dry cloth to clean the adapter. Do not use liquid cleaners or aerosols.
- **Storage:** Store the adapter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Avoid dropping or subjecting the adapter to strong impacts. Do not attempt to disassemble or modify the device.
- **Connectivity:** Always grasp the plug, not the cable, when connecting or disconnecting the adapter to prevent damage to the cable or ports.

9. Warranty and Support

The Lemorele HDMI to USB-C Adapter comes with a**1-year product warranty** from the date of purchase.

If you encounter any issues or have questions regarding your product, please contact Lemorele customer support. You can typically find contact information on the product packaging, the official Lemorele website, or through your purchase platform.

Please retain your proof of purchase for warranty claims.

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Example: How do I reset this device or fix this error?

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Model number, symptoms, what you tried, or the section of the manual you are using.

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