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Leforele AC05

Leforele Video Capture Card AC05 User Manual

Model: AC05

1. INTRODUCTION

This manual provides instructions for the Leforele Video Capture Card AC05. This device is designed for capturing and streaming video at 1080P 60Hz, offering HDMI output, USB-C capture capabilities, 5Gbps USB 3.0 data transfer, and 100W Power Delivery (PD) charging. It is suitable for live game streaming, video recording, and extending display functionality for various devices including Windows and Mac computers, gaming consoles, and mobile devices.

Please read this manual thoroughly before using the product to ensure proper operation and to maximize its performance and longevity.

2. PRODUCT OVERVIEW



Image 2.1: Lemorele Video Capture Card AC05. This image shows the compact, black and grey video capture card with its integrated USB-C cable.

2.1 Key Features

- **1080P 60Hz Video Recording:** Supports high-quality 1080P 30fps recording and live broadcasting. Compatible with software like OBS, AMCap, Xsplit, and VLC.
- **Multi-functional Ports:** Includes HDMI output, USB 3.0 port, and 100W Power Delivery (PD) charging port.
- **USB 3.0 Data Transfer:** USB 3.0 port offers data transfer speeds up to 5Gbps.
- **100W PD Charging:** Allows simultaneous charging and operation, ensuring uninterrupted use. Recommended to use the original charger for optimal performance in TV mode.
- **Wide Compatibility:** Supports USB Type-C devices such as Nintendo Switch, Steam Deck, ROG Ally, mobile phones, tablets, and notebooks. Compatible with Windows, Mac OS, and Android operating systems.
- **Driver-Free Operation:** No additional drivers are required for use.

- **Compact Design:** Small and lightweight, designed for portability.

2.2 Package Contents

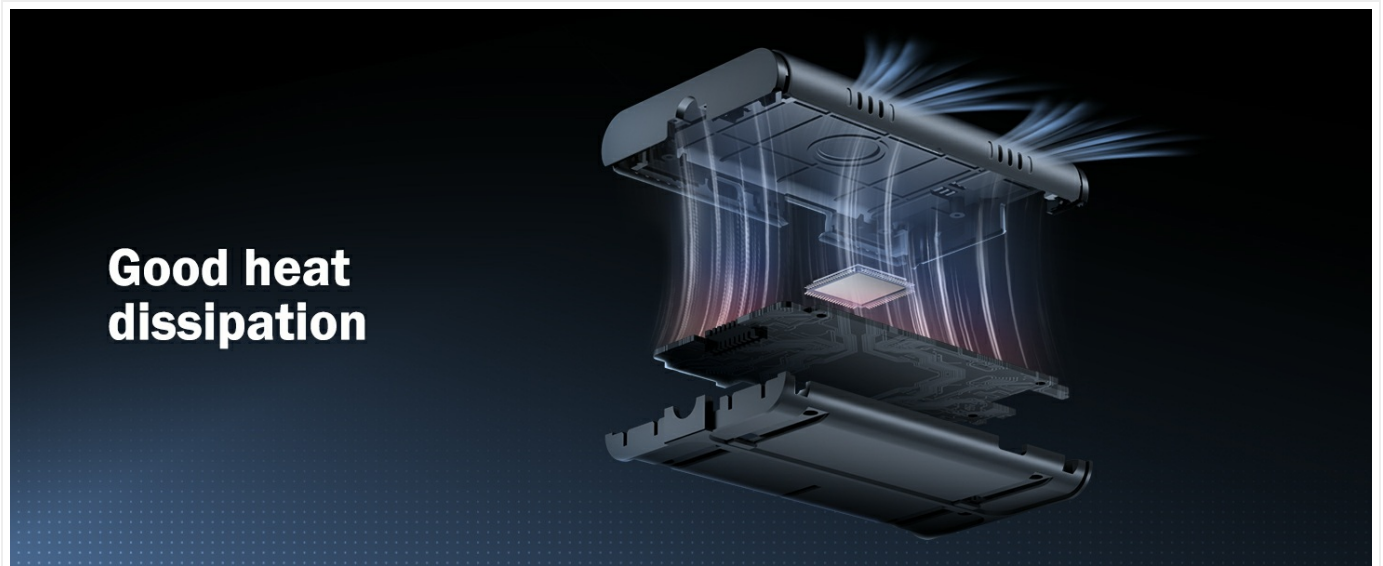


Image 2.2: Package Contents. This image illustrates the items included in the product box: the product packaging box, the product manual, and the USB-C Video Capture Card itself, along with its dimensions.

- Lemorele Video Capture Card AC05
- User Manual

Note: HDMI cable and power adapter are not included in the package.

3. SETUP INSTRUCTIONS

3.1 Video Capture Connection

To set up the device for video capture, follow these steps:

1. Connect the integrated USB-C cable of the capture card to your computer's USB-C port.
2. Connect your source device (e.g., gaming console, camera) to the capture card's USB-C Capture input port.
3. (Optional) Connect an HDMI display to the capture card's HDMI OUT port for real-time monitoring.
4. (Optional) Connect a power adapter to the PD POWER port for charging your source device or ensuring stable operation in TV mode.

Capture connection diagram



The USB-A Capture interface cannot be used in Hub mode



USB-C Input



Steam deck



ROG Ally



Nintendo Switch



and more

HDMI Output



Monitor



Television



Projector



and more

USB-C Capture



Laptop



Desktop PC



and more



The Power Supply is Required While Operating in TV Mode, Recommended to Use the Original Charger

Image 3.1: Video Capture Connection Diagram. This diagram illustrates how to connect the capture card for video capture, showing the USB-C Capture input, HDMI OUT, and PD POWER ports, and connections to a Steam Deck and a laptop.

Note: The USB-A Capture interface cannot be used in Hub mode.

3.2 Docking Connection

To use the device as a docking station, follow these steps:

1. Connect the integrated USB-C cable of the capture card to your USB-C compatible device (e.g., laptop, mobile phone, gaming handheld).
2. Connect an HDMI display (monitor, television, projector) to the capture card's HDMI OUT port.
3. Connect USB-A peripherals (e.g., portable SSD, U disk, mouse) to the capture card's USB 3.0 port.
4. Connect a power adapter to the PD POWER port for charging your device.

Docking connection diagram



The USB-C Capture interface cannot be used in Hub mode



USB-C Input



Laptop



Mobile



Gaming handheld



and more

HDMI Output



Monitor



Television



Projector



and more

USB-A 3.0



Portable SSD



U Disk



Mouse



and more



The Power Supply is Required While Operating in TV Mode, Recommended to Use the Original Charger

Image 3.2: Docking Connection Diagram. This diagram illustrates how to connect the capture card for docking purposes, showing connections to a laptop, mobile device, gaming handheld, monitor, television, projector, portable SSD, U disk, and mouse.

Note: The USB-C Capture interface cannot be used in Hub mode. Power supply is required while operating in TV mode; it is recommended to use the original charger.

4. OPERATING INSTRUCTIONS

4.1 Video Recording and Live Streaming

The Lomorele Video Capture Card AC05 allows for recording and live streaming of video content from compatible devices.

1. Ensure the capture card is correctly connected as per the "Video Capture Connection" section (3.1).
2. On your computer, open a video capture software such as OBS Studio, AMCap, Xsplit, or VLC.
3. In the software settings, select the Lomorele Video Capture Card as your video input device.
4. Configure your desired recording or streaming parameters (e.g., resolution, frame rate, audio input). The device supports 1080P at 30fps for recording and streaming.
5. Initiate recording or live streaming through your chosen software.

1080P Ring Display Recording while play



Image 4.1: 1080P Recording while playing. This image shows a user playing a game on a Steam Deck while simultaneously recording the gameplay on a laptop connected via the capture card, with the game also displayed on an external monitor.



Image 4.2: Real-time Recording Without Delay. This image depicts a person live streaming from a mobile phone, connected to a laptop via the capture card, demonstrating the real-time capture capability.

4.2 Using as a Docking Station (TV Mode / Dex Mode)

The capture card can extend the display of compatible devices to a larger screen.

1. Ensure the capture card is correctly connected as per the "Docking Connection" section (3.2).
2. For devices like Nintendo Switch, Steam Deck, or ROG Ally, the display will automatically extend to the connected HDMI screen.
3. For Samsung Galaxy phones (S8/S9/S10/Note 8/9/10) and Tab S4/S5/S6, the device supports Samsung DeX mode, transforming your phone into a desktop-like experience on an external display.
4. Ensure external power is connected to the PD POWER port for stable operation, especially in TV mode.

Enter TV mode Multiplayer games are happier



Image 4.3: TV Mode for Multiplayer Gaming. This image shows two individuals playing a video game on a large television screen, with a gaming handheld connected to the TV via the capture card, demonstrating the TV mode functionality.



Image 4.4: Samsung DeX Mode. This image illustrates a Samsung smartphone connected to the capture card, which is then connected to an external monitor, enabling the DeX desktop experience.

4.3 Power Delivery (PD) Charging

The capture card supports up to 100W PD charging for connected devices.

1. Connect a compatible USB-C power adapter to the capture card's PD POWER port.
2. The capture card will then deliver power to the connected USB-C device (e.g., laptop, Steam Deck).
3. This allows you to play or work while simultaneously charging your device.

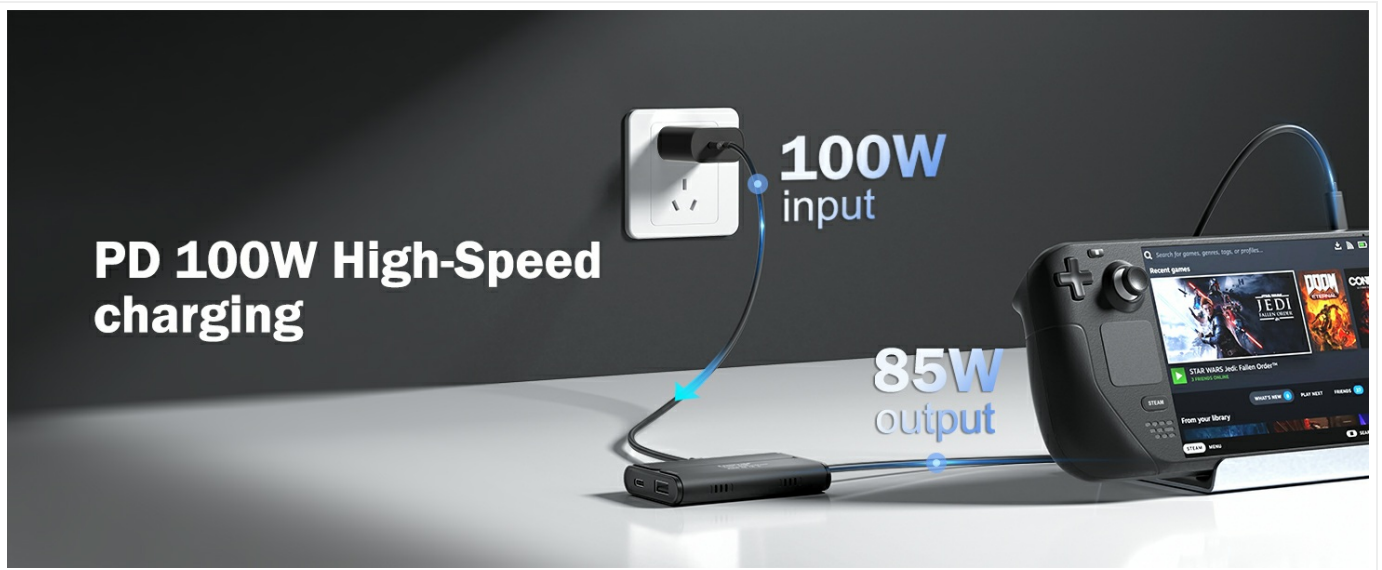


Image 4.5: PD 100W High-Speed Charging for Laptop. This image shows the capture card connected to a power outlet and a laptop, illustrating 100W input and 85W output for charging the laptop.

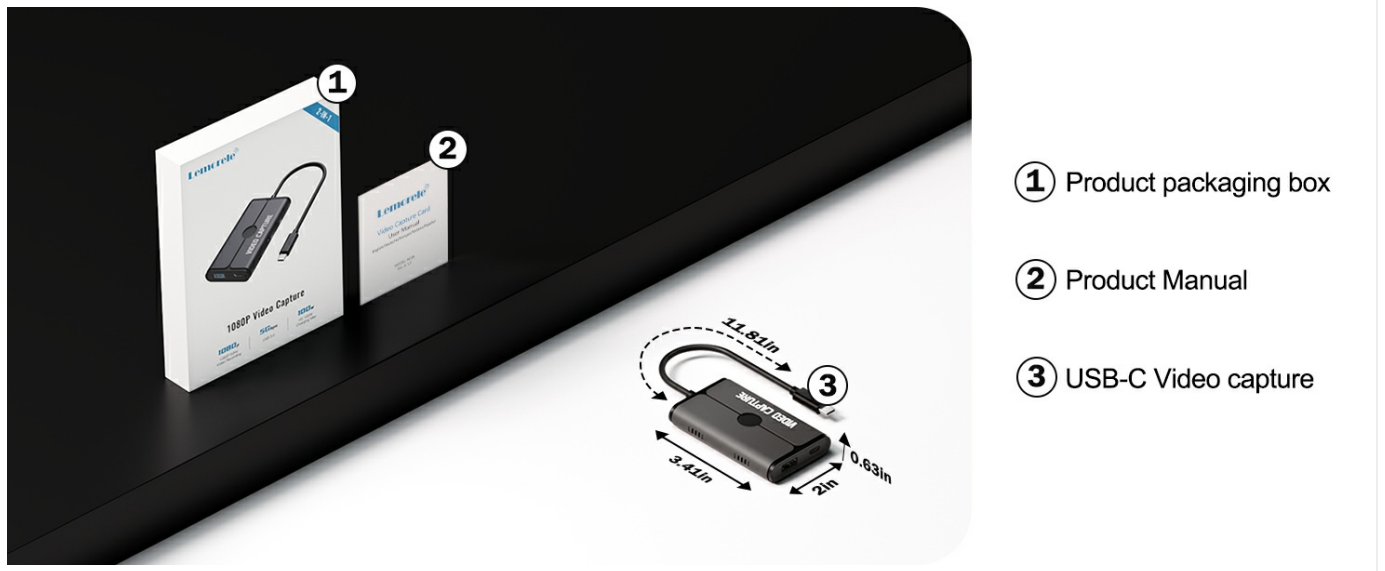


Image 4.6: PD 100W High-Speed Charging for Steam Deck. This image shows the capture card connected to a power outlet and a Steam Deck, illustrating 100W input and 85W output for charging the Steam Deck.

5. COMPATIBILITY

The Lemorele Video Capture Card AC05 offers broad compatibility with various devices and operating systems:

- **Operating Systems:** Windows, Mac OS, Android.
- **USB Type-C Devices:**
 - Gaming Consoles: Nintendo Switch, Switch OLED, Steam Deck, ROG Ally.
 - Mobile Phones: Samsung Galaxy S10 / S9 / S8 Plus / Note 10 / Note 9 / Note 8 (for DeX mode), iPhone 15, and other devices with standard USB 3.1 ports.
 - Tablets: Samsung Tab S4 / S5 / S6 (for DeX mode), iPads, and other USB-C tablets.
 - Notebooks/Laptops: Devices with USB-C ports.
- **HDMI Output:** Compatible with most HDTVs, monitors, projectors, and other devices with an HDMI interface.
- **Capture Software:** OBS Studio, AMCap, Xsplit, VLC, Corel Video Studio, and similar applications.

6. SPECIFICATIONS

Feature	Specification
Model Number	AC05
Video Capture Resolution	1080p (30fps for recording/streaming)
HDMI Output Resolution	1080p 60Hz
Hardware Interface	USB 3.0, HDMI, USB-C (PD)
USB 3.0 Transfer Speed	Up to 5Gbps
Power Delivery (PD)	Up to 100W input (85W output)
Operating Systems Supported	Android, Mac OS, Windows, iPhone 15
Item Weight	3.2 ounces (approx. 90.7 grams)
Package Dimensions	5.39 x 4.09 x 0.87 inches (approx. 13.7 x 10.4 x 2.2 cm)

Feature	Specification
Color	Black & Grey



Image 6.1: Product Dimensions. This image provides a visual representation of the capture card's physical dimensions, including its length, width, thickness, and cable length.

7. TROUBLESHOOTING

If you encounter issues with your Lemorele Video Capture Card AC05, please refer to the following common troubleshooting steps:

- **No Video Output/Capture:**
 - Ensure all cables (USB-C, HDMI) are securely connected.
 - Verify that your source device is powered on and outputting video.
 - Check your capture software settings to ensure the correct video input device is selected.

- Try connecting the capture card to a different USB-C port on your computer.
- For TV mode, ensure external power is connected to the PD POWER port.

- **Poor Video Quality/Lag:**

- Ensure your computer meets the minimum system requirements for video capture and streaming.
- Close unnecessary applications running in the background to free up system resources.
- Verify that you are using a USB 3.0 port on your computer for optimal data transfer speed.
- Check your capture software settings for resolution and bitrate; lower settings may improve performance.

- **Device Not Recognized:**

- Reconnect the capture card.
- Try a different USB-C port on your computer.
- Restart your computer.
- Ensure your operating system is up to date.

- **Charging Issues:**

- Ensure the power adapter connected to the PD POWER port is functional and provides sufficient wattage (up to 100W).
- Verify that the USB-C cable connecting the capture card to your device supports power delivery.
- It is recommended to use the original charger of your device when operating in TV mode with PD charging.

8. MAINTENANCE

To ensure the longevity and optimal performance of your Lemoire Video Capture Card AC05, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid using liquid cleaners or solvents, as they may damage the surface or internal components.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts.
- **Heat Dissipation:** The device is designed with good heat dissipation. Ensure it is used in a well-ventilated area and not covered during operation to prevent overheating.

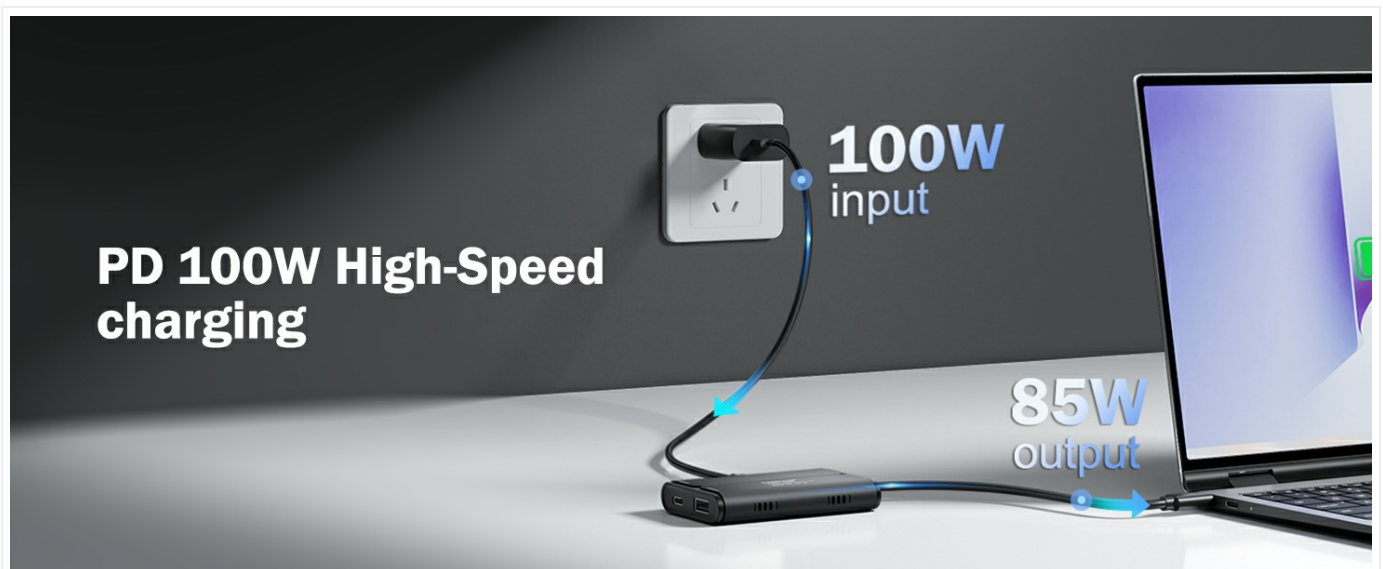


Image 8.1: Heat Dissipation. This image provides an internal view of the capture card, highlighting its design for effective heat dissipation to maintain performance.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Lemorele website or contact their customer service directly. Details are typically provided on the product packaging or the official brand store.

You can visit the [Lemorele Store on Amazon](#) for additional product information and support resources.

10. SAFETY INFORMATION

Please observe the following safety precautions:

- Do not expose the device to water or excessive moisture.
- Do not attempt to disassemble or modify the device. This will void the warranty.
- Keep the device away from children.
- Use only compatible power adapters and cables.
- Avoid using the device in environments with extreme temperatures or high humidity.

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Details

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