

Cerevo CDP-LS04A

Cerevo LiveShell X Instruction Manual

Model: CDP-LS04A
Brand: Cerevo

1. INTRODUCTION

The Cerevo LiveShell X is a versatile live streaming and broadcasting device designed for high-quality video transmission without the need for a personal computer. It supports 1080p resolution at 60 frames per second and includes real-time recording capabilities, making it ideal for various professional and enthusiast applications.

This manual provides comprehensive instructions for setting up, operating, and maintaining your LiveShell X device.

2. PRODUCT OVERVIEW

The LiveShell X features a compact and durable metal design, equipped with an OLED display for status monitoring and intuitive controls. It is built for portability and robust performance in various environments.



Figure 2.1: Front view of the Cerevo LiveShell X with its OLED display.

2.1 Device Components



Figure 2.2: Labeled diagram of LiveShell X components.

- **Power Button:** Used to turn the device on and off.
- **3 Stream Buttons:** Control and indicate the status of up to three simultaneous live streams.
- **M4 Nut:** Mounting point for accessories.
- **OLED Display:** Shows real-time streaming status, settings, and other device information.
- **1/4-20 UNC Tripod Nut:** Standard tripod mounting thread for easy setup.

The device also features various ports on its rear and sides for connectivity.

- **HDMI Input:** For connecting video sources (e.g., cameras, video mixers).
- **Ethernet Port:** For stable wired network connection.
- **USB Port:** Used for connecting a Wi-Fi dongle or cellular modem for wireless connectivity.
- **MicroSD Card Slot:** For real-time recording of your streams.
- **Audio Input (3.5mm jack):** For connecting external audio sources.
- **Power Input:** For connecting the power adapter.

3. SETUP

3.1 Unboxing and Initial Charge

Upon unboxing, ensure all components are present, including the LiveShell X unit and the included Lithium Ion battery. It is recommended to fully charge the battery before first use. The device can also operate directly from the power adapter.

3.2 Connecting Video and Audio Sources

1. Connect your camera or video mixer to the **HDMI Input** port on the LiveShell X.
2. If your audio is not embedded in the HDMI signal, connect your external audio source (e.g., microphone, audio mixer) to the **Audio Input (3.5mm jack)**.

3.3 Network Connection

The LiveShell X offers flexible network connectivity options:

- **Wired (Ethernet):** For the most stable connection, plug an Ethernet cable from your router or network switch into the **Ethernet Port** on the device.
- **Wireless (Wi-Fi/Cellular):** Insert the provided Wi-Fi dongle or a compatible cellular modem into the **USB Port**. Wireless settings will be configured via the web-based control panel.



Figure 3.1: PC-less live streaming setup with LiveShell X.

3.4 MicroSD Card Insertion

Insert a compatible MicroSD card into the **MicroSD Card Slot** for local recording of your live streams. Ensure the card is properly formatted as per the device's requirements (refer to the web control panel for formatting options).



Figure 3.2: MicroSD card slot and simultaneous streaming capability.

4. OPERATING INSTRUCTIONS

4.1 Web-Based Control Panel

All advanced configurations and stream management are performed through the LiveShell X web-based control panel. Access this panel by navigating to shell.cerevo.com in your web browser. Ensure your device is connected to the same network as your computer.

The control panel allows you to:

- Configure streaming destinations (e.g., YouTube Live, Facebook Live, Twitch, custom RTMP).

- Adjust video resolution, frame rate, and bitrate settings for each stream.
- Manage audio input levels and apply audio delay if needed.
- Control recording to the MicroSD card.
- Add custom titling and graphic overlays to your streams.

4.2 Streaming Capabilities

The LiveShell X supports simultaneous streaming to multiple platforms. You can configure up to three independent streams or two streams with simultaneous recording to the MicroSD card.

- **Single Stream:** Up to 1080p at 60 frames per second (H.264 or H.265).
- **Multiple Streams:** Up to 720p at 30 frames per second per stream, with a total maximum bitrate of 150 Mbps across all channels.
- **H.265 Encoding:** Utilize H.265 (HEVC) for more efficient compression, providing better video quality at lower bitrates, if supported by your streaming platform.

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高品質なインターネット 生放送を手軽に実現できる LiveShellシリーズ

Figure 4.1: LiveShell X enabling high-quality internet live broadcasting.

4.3 On-Device Controls

While most configuration is done via the web panel, the physical buttons on the device allow for basic control, such as starting and stopping streams.

4.4 Titling and Overlays

The LiveShell X allows you to add custom text or image overlays (e.g., lower thirds, logos) directly to your live stream and recordings. This feature supports PNG files with transparency for professional-looking graphics.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the device. Avoid liquid cleaners or abrasive materials.
- **Firmware Updates:** Regularly check the Cerevo website (cerevo.com) for firmware updates. Updates can improve performance, add features, and resolve issues. Follow the instructions provided with the firmware update carefully.
- **Battery Care:** To prolong battery life, avoid extreme temperatures and store the device with a partial charge if not used for extended periods.

6. TROUBLESHOOTING

- **Device Not Powering On:** Ensure the power adapter is securely connected and the battery is charged. If using battery, check its connection and charge level.
- **No Video Input:** Verify that the HDMI cable is correctly connected to both the source and the LiveShell X. Check the video source's output settings to ensure compatibility with the LiveShell X.
- **Network Connectivity Issues:** For wired connections, check the Ethernet cable and router status. For wireless, ensure the Wi-Fi dongle is inserted and configured correctly in the web control panel. Restarting the device and router may resolve temporary issues.
- **Streaming Problems:** Check your internet upload speed. Ensure your streaming platform's RTMP URL and stream key are correctly entered in the web control panel. Lowering the bitrate or resolution in the settings may help with unstable connections.
- **Web Control Panel Inaccessible:** Confirm the device and your computer are on the same network. Try restarting the LiveShell X.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	3.94 x 4.02 x 1.65 inches
Item Weight	1.06 pounds
Item Model Number	CDP-LS04A
Batteries	1 Lithium Ion batteries required (included)
Connectivity Technology	Wired, Wi-Fi, USB, Ethernet, HDMI
Video Capture Resolution	1080p

Video Capture Format	MP4
Supported Audio Format	AAC, [OTHER]
Flash Memory Type	SD
Color	Black

8. WARRANTY AND SUPPORT

Warranty and detailed support information for the Cerevo LiveShell X are typically provided with your purchase documentation or can be found on the official Cerevo website. Please refer to these resources for the most up-to-date information regarding product warranty, technical support, and service options.

For further assistance, visit the [Cerevo Store on Amazon](#) or the official Cerevo website.