

Swudloe C7-01

Swudloe HDMI USB3.0 Capture Card User Manual

Model: **C7-01**

Brand: **Swudloe**

1. INTRODUCTION

Thank you for choosing the Swudloe HDMI USB3.0 Capture Card. This device is designed to capture high-quality audio and video signals from various sources, including gaming consoles, cameras, and other HDMI-enabled devices, for recording and live streaming on your computer. It supports 4K@30Hz signal input and pass-through, and USB3.0 YUY2 1080P 60FPS recording, ensuring clear and vibrant content.

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

2. PRODUCT OVERVIEW

2.1 Package Contents

- Capture Card
- Installation Guide (This Manual)

2.2 Device Layout



Image: The Swudloe HDMI USB3.0 Capture Card, showing its compact black and orange design, along with the included USB-C adapter and USB 3.0 cables.

PLUG & PLAY



Image: A detailed diagram illustrating the ports on the Swudloe Capture Card. The top side features a USB 3.0 port, Audio Out (3.5mm), and Mic In (3.5mm). The bottom side features HD Out and HD In (HDMI ports).

The capture card features the following ports:

- **HD IN (HDMI Input):** Connects to the source device (e.g., game console, camera).
- **HD OUT (HDMI Output):** Connects to a display device (e.g., monitor, TV) for 4K pass-through.
- **USB3.0 Output:** Connects to your computer for data transfer and power.
- **AUDIO OUT (3.5mm):** Connects to headphones or speakers for audio monitoring.
- **MIC IN (3.5mm):** Connects to an external microphone for commentary.

3. SETUP GUIDE

The Swudloe Capture Card is designed for plug-and-play operation, requiring no external power supply. Follow these steps for initial setup:

1. **Connect HDMI Input:** Connect an HDMI cable from your source device (e.g., Nintendo Switch, PS5/PS4, Xbox, DSLR camera) to the **HD IN** port on the capture card.
2. **Connect HDMI Output (Optional):** If you wish to view your content on a separate display without latency, connect another HDMI cable from the **HD OUT** port on the capture card to your monitor or TV. This provides 4K@30Hz pass-through.
3. **Connect to Computer:** Connect the USB3.0 cable from the capture card's **USB3.0 Output** port to a USB 3.0 or USB-C port on your computer. Ensure you use a USB 3.0 port for optimal performance (1080P 60FPS YUY2 recording).
4. **Connect Audio (Optional):**
 - For external microphone input, connect your 3.5mm microphone to the **MIC IN** port.
 - For audio monitoring, connect your 3.5mm headphones or speakers to the **AUDIO OUT** port.
5. **Software Setup:** The capture card is compatible with various streaming and recording software. Popular options include OBS Studio, Streamlabs OBS, VLC, and Potplayer.
 - Open your preferred software.
 - Add a new "Video Capture Device" source.
 - Select "C7 USB3.0 Video" or similar from the device list.
 - Configure resolution and FPS settings (e.g., 1920x1080, 60 FPS).
 - For audio, add an "Audio Input Capture" source and select "C7 USB3.0 Audio" or similar.

STREAM & RECORD INSTANTLY

For PS4/PS5/Xbox/Switch Game
Host Live Streaming



Image: A comprehensive diagram showing the Swudloe Capture Card connected to a laptop via USB 3.0, with HDMI input from a game console (Switch) and HDMI output to a monitor. It also illustrates connections for a microphone and headphones, and compatibility with various input and output devices like HDTVs, projectors, cameras, and gaming consoles.

4. OPERATING INSTRUCTIONS

4.1 Recording Video

Once the capture card is set up and recognized by your software (e.g., OBS Studio):

1. Ensure your video source is active and displayed correctly in the software's preview window.
2. Adjust video and audio settings within your software to your desired resolution (e.g., 1080p) and frame rate (e.g., 60 FPS). The capture card supports YUY2 uncompressed format for optimal quality.
3. Click the "Start Recording" button in your software.
4. To stop recording, click the "Stop Recording" button. Your recorded file will be saved to the location specified in your software settings.

60FPS Faster Refresh Rate

Significantly reduced lag and tearing of the video

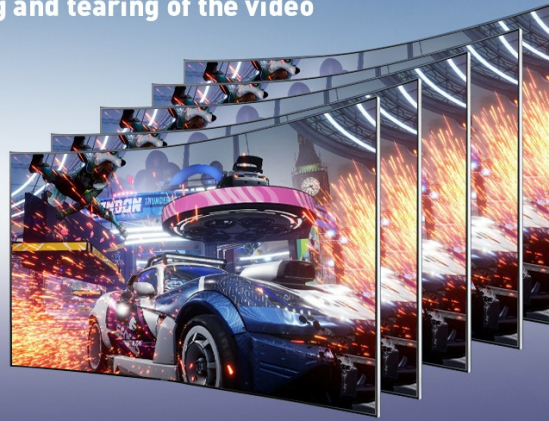
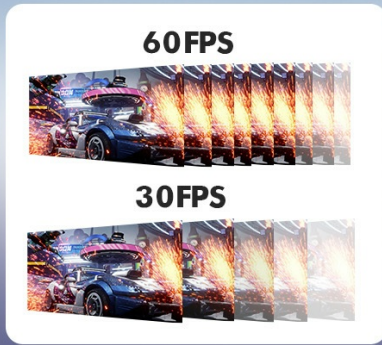


Image: A gaming setup featuring a desktop computer with dual monitors, a PlayStation 5, and the Swudloe Capture Card. One monitor displays the game, while the other shows OBS Studio, indicating a live streaming or recording session in progress.

4.2 Live Streaming

For live streaming to platforms like Twitch, YouTube, or Facebook Live:

1. Configure your streaming software with your platform's stream key and server settings.
2. Ensure your video capture device and audio sources are correctly added and configured in your software.
3. Click the "Start Streaming" button in your software.
4. To end the stream, click the "Stop Streaming" button.

LOCAL GAME SCREEN HELPER

HD IN/OUT: 4K@30Hz

USB 3.0: YUY2 1080P 60FPS and backward



Video Capture Card USB 3.0/USB C

Connect to the Big Screen for Real-Time
Recording



Image: A graphic illustrating the Swudloe Capture Card's compatibility with popular streaming and recording software and platforms, including Facebook Live, YouTube, Twitch, TikTok, XSplit, VLC, OBS, Quicktime, Amcap, Potplayer, and vMix. It also shows a laptop connected to a camera, demonstrating its use for live streaming.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Swudloe Capture Card:

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or repair the device yourself. This will void the warranty.
- Store the device in a safe place when not in use to prevent physical damage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No video signal in software.	Incorrect input selection; loose HDMI cable; privacy settings blocking device.	<ul style="list-style-type: none"> • Ensure the correct device ("C7 USB3.0 Video") is selected in your software. • Check all HDMI cable connections. • For Windows, check privacy settings: Go to Settings > Privacy > Camera, and ensure "Allow apps to access your camera" is ON, and your streaming software is allowed.
No audio in recorded video/stream.	Incorrect audio input selection; computer sound settings.	<ul style="list-style-type: none"> • Ensure "C7 USB3.0 Audio" is selected as the audio input in your software. • Check your computer's sound settings to ensure the capture card's audio device is enabled and not muted. • Verify the source device's audio output is active.
Video quality is poor or laggy (e.g., 50FPS instead of 60FPS).	Using USB 2.0 port; software settings.	<ul style="list-style-type: none"> • Ensure the capture card is connected to a USB 3.0 or USB-C port on your computer, not USB 2.0. • Verify resolution and FPS settings in your software match the capture card's capabilities (1080P 60FPS YUY2).
Device not recognized by computer.	Faulty USB port/cable; driver issue.	<ul style="list-style-type: none"> • Try a different USB port on your computer. • Try a different USB 3.0 cable. • Restart your computer.



Image: A table detailing the maximum resolution and FPS based on the PC USB port type (USB3.0 vs. USB2.0) and video format (YUY2 vs. MJPEG). It highlights that USB3.0 supports 1920x1080 at 60FPS for both YUY2 and MJPEG, while USB2.0 has lower performance.

7. SPECIFICATIONS

- **Model:** C7-01
- **Brand:** Swudloe
- **Hardware Interface:** USB 3.0
- **Video Capture Resolution:** 1080p (YUY2 60FPS)
- **HDMI Input/Pass-Through Resolution:** Up to 4K@30Hz
- **Operating System Compatibility:** Windows 7/8/10, Mac OS X 10.9 or later, Linux, Android
- **Item Weight:** 6.3 ounces
- **Product Dimensions:** 2.98 x 2.98 x 0.66 inches
- **Audio Input:** 3.5mm Microphone
- **Audio Output:** 3.5mm Headphone/Speaker

8. WARRANTY AND SUPPORT

The Swudloe Capture Card comes with a 1-year warranty. For technical support, troubleshooting assistance, or warranty claims, please contact Swudloe customer service. Refer to the product packaging or the seller's information on the purchase platform for specific contact details.

We are committed to providing excellent customer service and support for our products.



Image: A graphic indicating "1 Year Warranty" and "24 Hours Customer Service" for the product, emphasizing customer support.