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**Roland UVC-01**

# Roland UVC-01 USB Video Capture Instruction Manual

Model: UVC-01

## Introduction

This manual provides essential instructions for the safe and effective use of the Roland UVC-01 USB Video Capture device. The UVC-01 is designed to facilitate high-quality livestreaming and recording by converting HDMI video and audio signals into a USB 3.0 stream, compatible with Mac and Windows computers as a webcam.
Please read this manual thoroughly before using the product and retain it for future reference.

## Safety Information

To ensure safe operation, always observe the following precautions:

- Do not disassemble or modify the unit.
- Do not expose the unit to rain, moisture, or extreme temperatures.
- Avoid placing heavy objects on the unit.
- Use only specified cables and accessories.
- Keep the unit away from heat sources and direct sunlight.

## Package Contents

Verify that all items are included in your package:

- Roland UVC-01 USB Video Capture Unit
- Owner's Manual (this document)
- USB 3.0 Cable

## Product Overview

The Roland UVC-01 is a compact and robust device designed for converting HDMI video and audio into a USB stream. It features a durable metal casing and essential input/output ports for seamless integration into your streaming setup.

### Device Appearance




*Image: Angled view of the Roland UVC-01 USB Video Capture device, showing the HDMI In, Aux In, and USB 3.0 Stream ports.*

## Input/Output Ports




*Image: Diagram illustrating the HDMI In and Aux In ports on one end, and the USB 3.0 Stream port on the other end of the UVC-01.*

- **HDMI IN:** Connect your video source (camera, camcorder, video switcher) here.

- **AUX IN:** 3.5mm stereo mini-jack for connecting an external audio source.
- **USB 3.0 STREAM:** Connects to your computer for video and audio data transfer and power.

## Setup

Follow these steps to set up your Roland UVC-01:

### 1. Connect to Computer

1. Connect the supplied USB 3.0 cable to the **USB 3.0 STREAM** port on the UVC-01.
2. Connect the other end of the USB 3.0 cable to an available USB 3.0 port on your Mac or Windows computer. The UVC-01 is powered via USB.
3. The device is plug-and-play and will be recognized as a webcam by your operating system. No special drivers are typically required.




*Image: The Roland UVC-01 device shown next to its included USB 3.0 cable, ready for connection.*

### 2. Connect Video Source

- Connect an HDMI cable from your video source (e.g., camera, camcorder, Roland V-series video switcher) to the **HDMI IN** port on the UVC-01.
- Ensure your video source is powered on and outputting a compatible resolution and frame rate (up to 1080p at 60 FPS).

### 3. Connect Audio Source (Optional)

- If you wish to use an external audio source separate from the HDMI input, connect a 3.5mm stereo mini-jack cable from your audio device to the **AUX IN** port.
- The UVC-01 will prioritize the AUX IN audio if both HDMI audio and AUX IN are present.

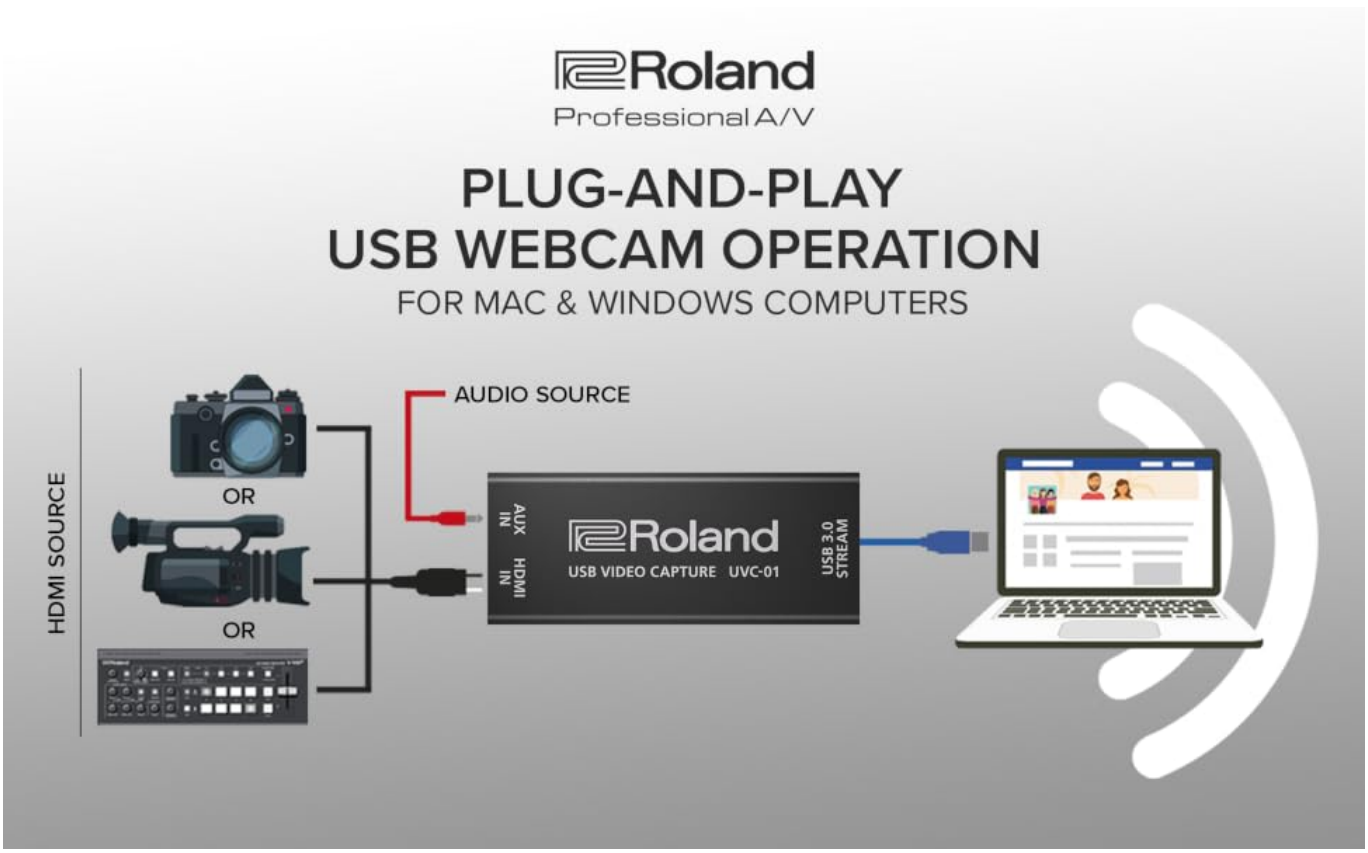



*Image: Diagram illustrating the plug-and-play USB webcam operation, showing HDMI source (camera/camcorder/switcher) and audio source connecting to UVC-01, then to a laptop via USB 3.0.*

## Operation

Once connected, the UVC-01 functions as a standard webcam, making it compatible with various streaming and recording applications.

### Using with Streaming/Recording Software

1. Open your preferred streaming or recording software (e.g., OBS Studio, Zoom, Skype, Facebook Live, YouTube).
2. In the software's settings, select the "Roland UVC-01" as your video input device.
3. Select "Roland UVC-01" as your audio input device. If using an external audio mixer or interface, you may select that device instead.
4. Configure your desired resolution and frame rate within the software. The UVC-01 supports uncompressed 1080p HD at 60 FPS.
5. Begin your livestream or recording.



*Image: A laptop displaying a live stream of a band performing, demonstrating the UVC-01's application in a live production setting.*

## Maintenance

Proper maintenance ensures the longevity and optimal performance of your UVC-01.

- **Cleaning:** Wipe the unit with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Cable Care:** Avoid bending or crimping cables excessively. Disconnect cables by pulling the plug, not the cable itself.

## Troubleshooting

If you encounter issues with your UVC-01, refer to the following common solutions:

- **No Video Signal:**
  - Ensure all HDMI cables are securely connected.
  - Verify that your video source is powered on and outputting a signal.
  - Check the resolution and frame rate settings on your video source; ensure they are compatible with the UVC-01 (up to 1080p/60fps).
  - Confirm that "Roland UVC-01" is selected as the video input in your streaming software.
- **No Audio:**
  - Check all audio cable connections (HDMI and AUX IN).
  - Ensure the audio source is active and its volume is appropriately set.
  - In your streaming software, confirm that "Roland UVC-01" is selected as the audio input device.
  - If both HDMI audio and AUX IN are connected, the AUX IN will be prioritized. Disconnect AUX IN if you intend to use HDMI audio.
- **Device Not Recognized by Computer:**
  - Ensure the USB 3.0 cable is firmly connected to both the UVC-01 and a USB 3.0 port on your computer.
  - Try connecting to a different USB 3.0 port or a different computer to rule out port or computer issues.
  - Restart your computer.

## Specifications

| Feature | Specification |
| --- | --- |
| Model Number | UVC-01 |
| Hardware Interface | USB 3.0 |
| Video Capture Resolution | Up to 1080p at 60 FPS (Uncompressed) |
| Operating System Compatibility | Windows, Mac |
| Recommended Uses | Image Capture, Video Recording, Livestreaming |
| Power Supply | USB Bus Powered |
| Product Dimensions | 6.57 x 12.83 x 5.31 inches |
| Item Weight | 8.1 ounces |

## Warranty and Support

For warranty information, product registration, and technical support, please visit the official Roland website or contact your local Roland service center. Keep your purchase receipt as proof of purchase.
Official Roland Website: www.roland.com

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