

Osee GoStream M2

Osee GoStream M2 Dual 4K HDMI Input Capture Card User Manual

Model: GoStream M2

1. INTRODUCTION

The Osee GoStream M2 is a versatile dual 4K HDMI input capture card designed for streaming, recording, and live production. It allows users to connect two distinct HDMI sources, such as cameras or gaming consoles, and output a 1080p 60fps signal. Featuring USB 3.0 connectivity for low-latency transmission, built-in audio input/output, and Picture-in-Picture (PIP) and Picture-by-Picture (PBP) video effects, the GoStream M2 offers a comprehensive solution for content creators.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x Osee GoStream M2 Capture Card
- 1 x Soft Box (carrying case)
- 1 x USB A(C)-C Cable
- 1 x HDMI A-A Cable
- 1 x User Manual

Package Includes



GoStream M2



Soft Box



Box



User Manual



USB A(C)-C Cable



HDMI A-A Cable

Image: The Osee GoStream M2 capture card, soft box, USB A(C)-C cable, HDMI A-A cable, and user manual are shown as included items.

3. SETUP INSTRUCTIONS

Follow these steps to set up your Osee GoStream M2 capture card:

1. **Connect HDMI Input Sources:** Connect your primary HDMI source (e.g., gaming console, camera) to the **HDMI IN 1** port on the GoStream M2. Connect a secondary HDMI source to the **HDMI IN 2** port. The device supports dual 4K60 HDMI inputs.
2. **Connect HDMI Output:** Connect an HDMI cable from the **HDMI OUT** port on the GoStream M2 to your display device (TV, monitor, projector). This output provides a 1080p 60fps signal.
3. **Connect to Computer:** Use the provided USB A(C)-C cable to connect the GoStream M2's USB-C port to a USB 3.0 port on your computer. The device is plug-and-play and typically does not require driver installation.
4. **Audio Connections:**
 - To use a microphone, connect a 3.5mm microphone to the **MIC** port.
 - For external audio input, connect an audio source to the **LINE IN** port.
 - Connect headphones to the **HEADPHONE** port for audio monitoring.



Image: A close-up view of the Osee GoStream M2 capture card, highlighting the HDMI IN 1, HDMI IN 2, HDMI OUT, and USB-C ports on the side, and audio ports on the front.



Image: A diagram illustrating the microphone, line in, and headphone ports on the Osee GoStream M2, with text indicating their functions for audio capture and monitoring.

4. OPERATING INSTRUCTIONS

4.1. Dual Input and Output

The GoStream M2 supports two HDMI inputs (up to 4K60 resolution) and one HDMI output (1080p 60fps). This allows for seamless switching between two video sources for your stream or recording. The USB-C output to your computer will also carry the selected video and audio.

Dual 4K 60 Inputs

Seamless switching between game and TV



Dual
4K60 Inputs



USB3.0
High Speed



Play and Plug
Driver-free



RGB 24Bit
Uncompressed



Ultra-low
Latency

Image: A split screen display showing a gaming scene on one side and a movie scene on the other, illustrating the dual 4K 60 input capability of the Osee GoStream M2.

4.2. Stream Switching and Video Effects (PIP/PBP)

The device features a switch button to toggle between input sources. It also supports various Picture-in-Picture (PIP) and Picture-by-Picture (PBP) layouts. There are 4 PBP layouts and 4 zoomable PIP layouts available, allowing for dynamic presentation of multiple video sources simultaneously.

PIP and PBP Video Effects



4 PBP layouts



4 resized PIP layouts



Image: The Osee GoStream M2 device with its control buttons, illustrating various Picture-in-Picture (PIP) and Picture-by-Picture (PBP) layout options for displaying multiple video sources.

4.3. Audio Capture

The GoStream M2 includes a 3.5mm microphone input and an audio line-in port. This allows you to integrate external audio commentary or music directly into your stream or recording. The 3.5mm headphone jack provides real-time audio monitoring.

4.4. USB 3.0 Connectivity and Low Latency

Utilizing USB 3.0, the GoStream M2 ensures high-speed data transmission, resulting in smooth video and audio capture with ultra-low latency. This is crucial for real-time streaming and gaming, minimizing delay between your input and the captured output.

USB 3.0

High Speed & Stable
Lossless Transmission



Image: A comparison showing the speed difference between USB 3.0 (5 Gbps) and USB 2.0 (480 Mbps) in the context of game loading, highlighting the faster transmission of USB 3.0 for the Osee GoStream M2.

Low latency & Plug and Play

Ultra-low latency ensures efficient image/video/audio capture, plug-and-play without installing additional drivers



Image: Two monitors displaying identical time readouts with a slight difference, illustrating the ultra-low latency performance of the Osee GoStream M2 for video and audio capture.

4.5. Compatibility

The GoStream M2 is compatible with mainstream operating systems including Windows, Android, MacOS, and Linux. It works with popular streaming and video conferencing software such as OBS, VLC, Skype, Zoom, XSplit, and Potplayer, and supports platforms like YouTube, TikTok, Instagram, Facebook, and Twitch.

Gaming Devices & Streaming

Powerful compatibility with various gaming devices.

Adapt to all mainstream streaming platforms



Image: The Osee GoStream M2 device surrounded by various gaming devices (PS5, Xbox, Switch) and logos of streaming platforms (OBS, YouTube, Twitch, Zoom), indicating broad compatibility.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Osee GoStream M2, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid using liquid cleaners or abrasive materials.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures. Use the provided soft box for protection during transport or storage.
- **Handling:** Handle the device with care to prevent physical damage. Avoid dropping or subjecting it to strong impacts.
- **Ventilation:** Ensure that the device's ventilation openings are not obstructed during operation to prevent overheating.

6. TROUBLESHOOTING

If you encounter issues with your Osee GoStream M2, refer to the following common problems and solutions:

- **Device Buttons Remain Lit After Computer Shutdown:** The GoStream M2 does not have a dedicated power button. Its buttons may remain lit if connected to a computer whose USB ports continue to supply power even when the computer is off. This is a normal characteristic of some computer systems and not a device malfunction.
- **HDMI Output Color Issues (RGB 8 Bit Limited Range):**The HDMI output of the GoStream M2 supports RGB 8 Bit Limited Range only. This may cause compatibility issues with certain video equipment (e.g., Atomos recorders) or displays, potentially resulting in a green-washed, crushed, or oversaturated image. Ensure your receiving device is compatible with this color range or adjust its settings if possible.
- **HDMI Output Stuttering with USB-C Output at 60FPS:**If the USB-C output is enabled at 60FPS, the HDMI output may experience stuttering or un-smooth motion. Consider adjusting the frame rate settings if this issue occurs.
- **Reversed Audio Channels on Line In Port:**Some units may have the Left and Right audio channels reversed on the 3.5mm Line In port. If you experience this, you can swap your analog audio cables or use software filters (e.g., in OBS) to correct the channel orientation.
- **High Gain on Microphone Input:** The 3.5mm microphone input may have a high gain, potentially causing distortion with certain microphones, especially Bluetooth lavalier mics. An external attenuator may be required to reduce the input level and prevent distortion.
- **No Signal/No Detection:**
 - Verify all HDMI and USB-C cables are securely connected.
 - Ensure your input sources are powered on and outputting a signal.
 - Check your computer's device manager or streaming software (e.g., OBS) to confirm the GoStream M2 is recognized.
 - Try connecting the device to a different USB 3.0 port on your computer.

7. SPECIFICATIONS

Brand	Osee
Series	GoStream
Model Number	GoStream M2
Operating System Compatibility	Windows, Android, MacOS, Linux
Item Weight	14.4 ounces
Product Dimensions (LxWxH)	4.72 x 3.03 x 0.98 inches
Hardware Interface	USB 3.0 Type C
Video Input Resolution	Up to 2160P (4K) at 60FPS
Video Output Resolution	1080P at 60FPS (HDMI Out)
Color	Black
Date First Available	June 20, 2024

8. WARRANTY AND SUPPORT

Osee provides comprehensive customer support and warranty services for the GoStream M2 capture card.

- **Warranty:** The product includes a 1-year warranty from the date of purchase.
- **Technical Support:** Lifetime technical support is available for all Osee GoStream M2 users.
- **Customer Service:** A professional multilingual customer service team is available 24/7 to assist with any after-sales inquiries or technical issues. Support channels include live chat, call center, and online email.

For assistance, please contact Osee customer service through their official website or the contact information provided in your product packaging.



Image: Icons representing 24/7 customer support options: Live Chat, Calls Center, and Online Email, indicating available support channels.



Image: Icons representing warranty and support benefits: 1 Year Warranty, Lifetime Tech Support, 24/7 Live Chat, and Professional Aid Group.