

osee GoStream Duet 8 ISO

Osee GoStream Duet 8 ISO User Manual

Model: GoStream Duet 8 ISO

1. INTRODUCTION

The Osee GoStream Duet 8 ISO is an advanced 8-channel video switcher designed for professional live production, streaming, and recording. It offers versatile input options, comprehensive audio control, and powerful graphic overlay capabilities, making it suitable for various applications including broadcasting, podcasting, and online meetings.



Figure 1: Osee GoStream Duet 8 ISO Video Switcher, front view.

2. KEY FEATURES

- **Flexible 8 Input Channels:** Supports 4x SDI, 4x 4K-HDMI, 2x USB-3.0 Webcams, 4x NDI-HX, 2x MP4 Player, 4x SRT or RTMP. Also supports web browser and PNG/JPG images.
- **PGM and 8-Channels ISO Recording:** Records all video inputs, program output, and audio files to SSD in MP4 H.264 & H.265. Includes 2 built-in video players.
- **Professional Audio:** Two XLR microphone inputs with 48V phantom power and studio-grade preamp (up to 75 dB gain) for dynamic and condenser microphones.
- **Advanced Layout and Graphics Overlay:** MultiSource with four configurable video windows, background/graphics overlay. Features two downstream keyers for logos/lower-thirds and one upstream keyer for green screen, chroma key, PIP, and Pattern. Web browser support for dynamic overlays.
- **Automated Switching:** Auto-switching for seamless transitions without manual control.
- **Comprehensive Control:** Hard panel with PVW/PGM bus/T-Bar/Macros, and PC/Mac software control.
- **Multiple Outputs:** Includes 2x HDMI and 1x SDI outputs.
- **High-Quality Streaming:** USB 3.0 output for high-quality video to software like Zoom, OBS, StreamYard, MS Teams, Restream, Streamlabs, Xsplit, vMix. Multi-platform streaming to up to 3 platforms simultaneously.

3. SETUP GUIDE

3.1 Connecting Inputs

The GoStream Duet 8 ISO offers a wide range of input options. Ensure all cables are securely connected to their respective ports.

- Connect up to 4 SDI sources to the SDI input ports.
- Connect up to 4 4K-HDMI sources to the HDMI input ports.
- USB-3.0 Webcams can be connected for additional video inputs.
- NDI-HX, SRT, or RTMP sources can be configured via network connections.
- MP4 video files can be played from an inserted SSD card.

SIMULTANEOUSLY 4 SDI + 4 HDMI



Figure 2: Simultaneous 4 SDI + 4 HDMI input connections.

CONNECT SOURCES WITHOUT CONVERSION

Using 4K HDMI, 3G-SDI, webcam, NDI HX, SRT/RT-MP, video file, and web browser as inputs.

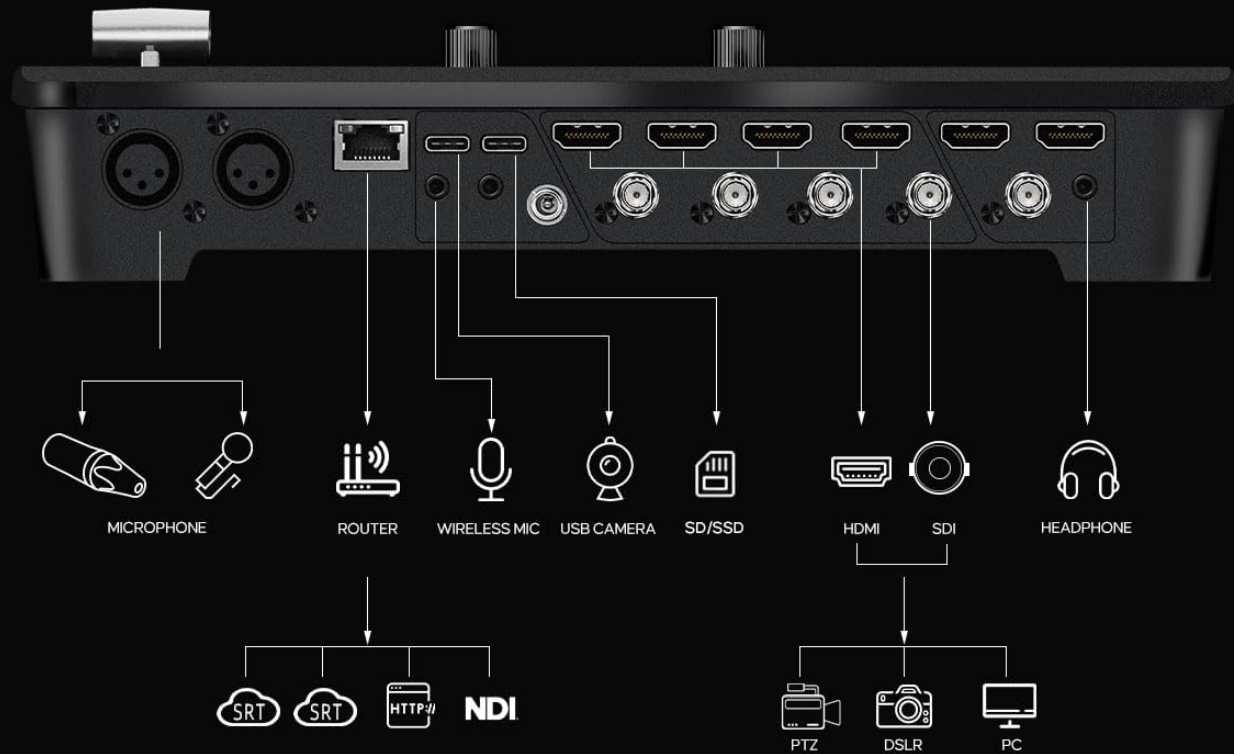


Figure 3: Connection diagram for various sources including microphones, router, wireless mic, USB camera, SD/SSD, HDMI, and SDI.

3.2 Audio Connections

For professional audio, connect dynamic or condenser microphones to the two XLR inputs. The unit provides 48V phantom power for condenser microphones.

2 XLR MICROPHONE

High-end dynamic and condenser microphones make your vocal exceptionally clear and warm.



Figure 4: XLR microphone input for high-quality audio.

3.3 Output Connections

Connect your display monitors or streaming devices to the available outputs:

- 2x HDMI outputs for program or multiview monitoring.
- 1x SDI output for professional video distribution.
- USB 3.0 for direct connection to a computer for high-quality streaming via software like OBS or Zoom.

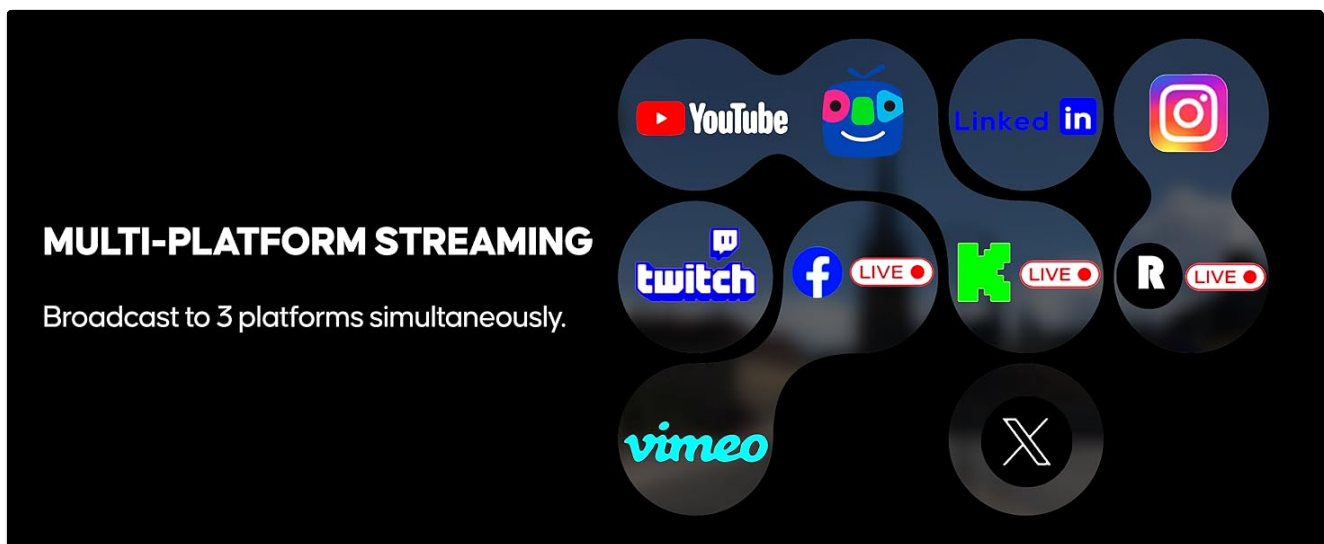
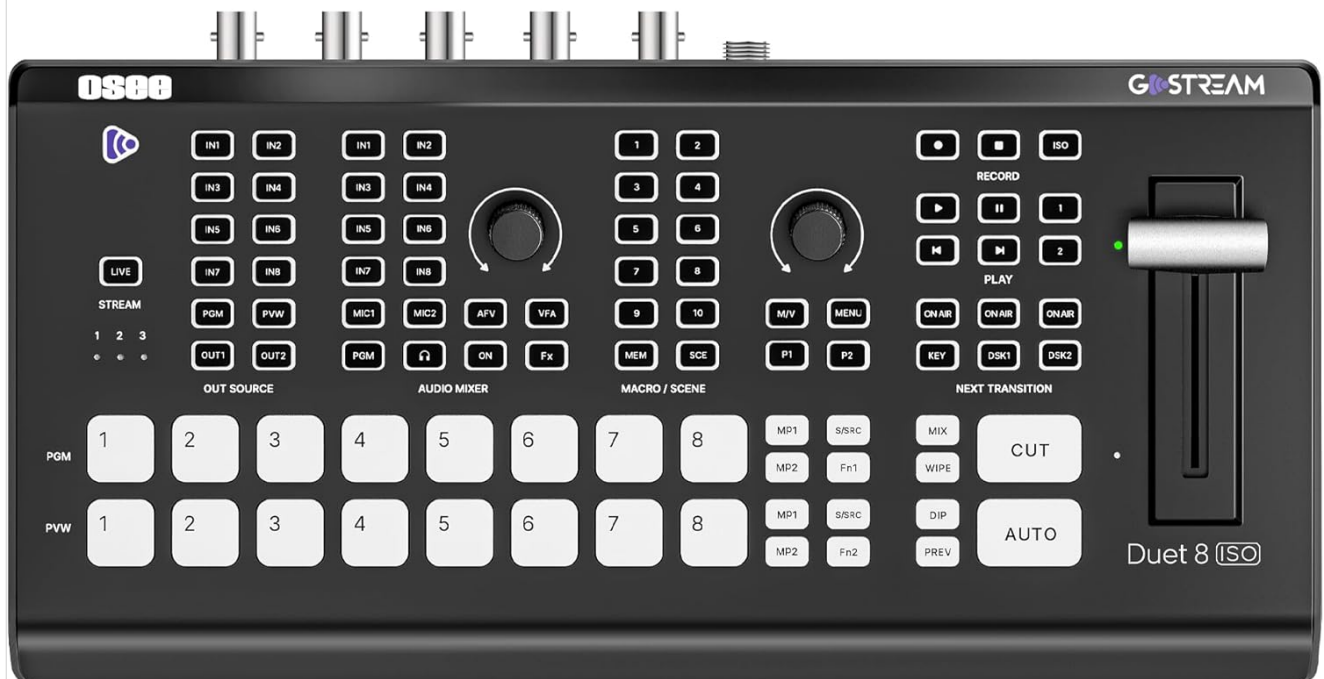


Figure 5: Connecting to multiview, PGM, and video wall via 3 outputs.

3.4 Firmware Update

It is highly recommended to upgrade to the newest firmware version to enable simultaneous 8-channel inputs from 4 SDI and 4 HDMI, and to ensure optimal performance and access to the latest features.

Please upgrade to the newest firmware



to enable simultaneous
8-channel inputs from 4 SDI + 4 HDMI

4. OPERATING INSTRUCTIONS

4.1 Input Management and Switching

The GoStream Duet 8 ISO allows for seamless switching between its 8 flexible input channels. Use the dedicated buttons on the control panel or the PC/Mac software for input selection.

Your browser does not support the video tag.

Video 1: GoStream Duet 8 ISO Introduction - Demonstrates input capabilities, control, and key features of the switcher.

4.2 ISO and Program Recording

The unit supports isolated recording of all 8 input channels, as well as the program output. Recordings are saved to an SSD card, facilitating post-production and content repurposing.

- Insert a compatible SSD card into the designated slot.
- Initiate ISO recording to capture individual input feeds.
- Program recording captures the final switched output.

ISO RECORDING

The 8-channel ISO and PGM recording keeps all the clips for post-editing and reposting



Figure 7: The 8-channel ISO and PGM recording keeps all clips for post-editing and reposting.

4.3 Audio Mixing

Utilize the audio controls on the panel to manage levels for connected XLR microphones and other audio sources. Adjust volume and enable/disable inputs as needed.

4.4 Layouts and Graphics Overlay

Create professional-looking broadcasts with MultiSource, allowing up to four configurable video windows. Apply graphics overlays, logos, and lower-thirds using the downstream keyers. The upstream keyer supports chroma key (green screen), luma key, Picture-in-Picture (PIP), and various patterns for dynamic visual effects.

4 WINDOWS MultiSource

Professional-looking layouts for news broadcasts, online conferences, or panel discussions.



Figure 8: Professional-looking layouts with 4 Windows MultiSource for news broadcasts, online conferences, or panel discussions.



Figure 9: Design professional and customizable overlays instantly using web-powered dynamic overlay features.



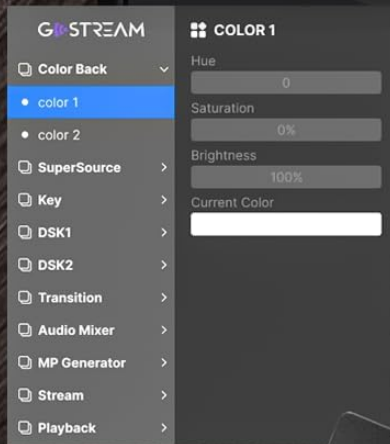
Figure 10: The 8-layer composition engine for complex visual arrangements.

4.5 Control Options

Control the GoStream Duet 8 ISO using its intuitive hardware panel or the dedicated PC/Mac software. The hardware panel provides direct access to key functions, while the software offers a more detailed interface for advanced configurations.

VERSATILE CONTROL

Convenient and quick access to various functions for professional production flow.



BUILT-IN MENU



Figure 11: Versatile control via the hardware panel and PC control software.

4.6 Streaming and Remote Guests

Leverage SRT/RTMP support to invite remote guests from anywhere in the world. The USB 3.0 output ensures high-quality video for various streaming software, and the unit supports multi-platform streaming to up to three platforms simultaneously.

SRT/RTMP

Invite remote guests worldwide



Figure 12: SRT/RTMP functionality for inviting remote guests worldwide.

AUTO SWITCHING

Switch camera angles without manual control.



Figure 13: USB 3.0 output for high-quality video to popular streaming software.

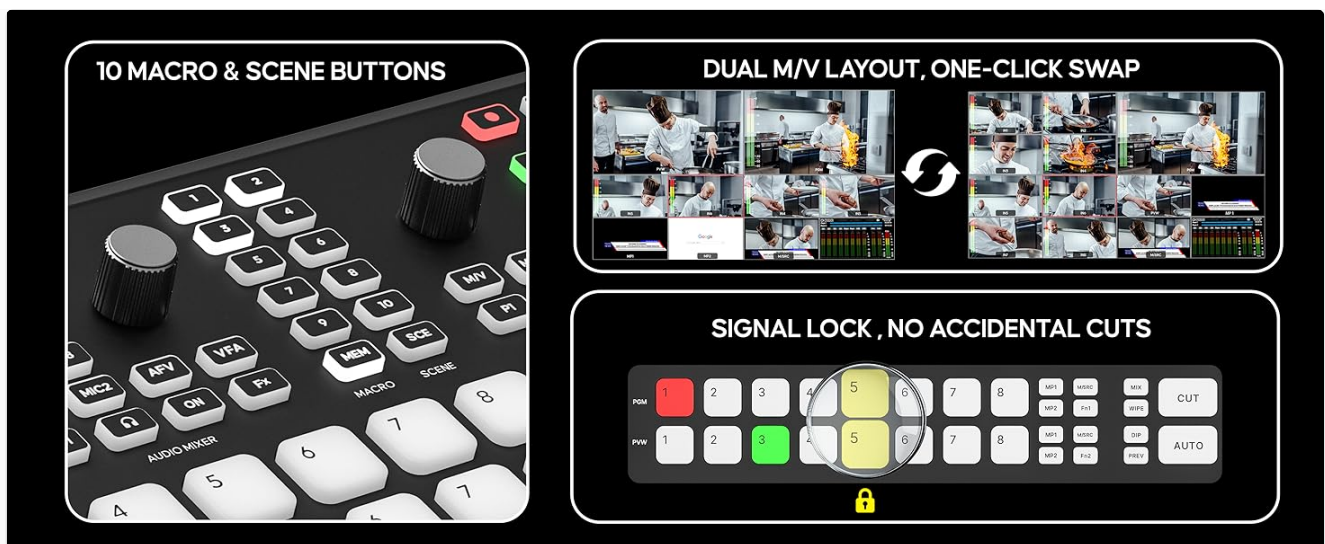


Figure 14: Multi-platform streaming to broadcast to up to 3 platforms simultaneously.

4.7 Auto Switching

For dynamic productions like podcasts, enable auto-switching to automatically switch camera angles, ensuring a smooth and engaging presentation without constant manual intervention.

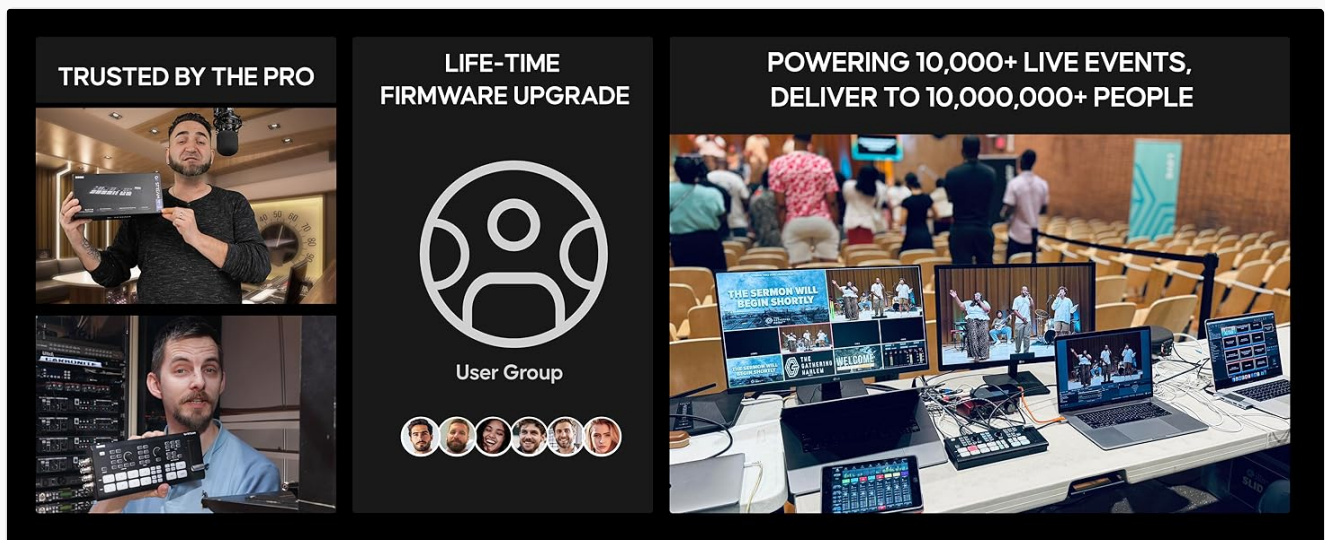


Figure 15: Auto switching feature to switch camera angles without manual control.

5. MAINTENANCE

To ensure the longevity and optimal performance of your Osee GoStream Duet 8 ISO, follow these general maintenance guidelines:

- Keep the device clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the unit to extreme temperatures, humidity, or direct sunlight.
- Ensure proper ventilation around the device to prevent overheating.
- Regularly check cable connections for secure fit and wear.
- Store the device in a safe, dry place when not in use.

6. TROUBLESHOOTING

If you encounter issues with your GoStream Duet 8 ISO, consider the following common troubleshooting steps:

- **No Power:** Ensure the power adapter is securely connected to the unit and a working power outlet.
- **No Video Input:** Verify that input sources are properly connected and powered on. Check cable integrity (HDMI, SDI). Ensure the correct input channel is selected on the switcher.
- **No Audio:** Check microphone connections and ensure phantom power is enabled if required. Verify audio levels on the mixer.
- **Streaming Issues:** Confirm network connectivity. Check streaming software settings and ensure correct output selection.
- **Firmware Related Issues:** Ensure the latest firmware is installed. Refer to the Osee website for firmware update instructions and release notes.

For persistent issues, please refer to the official Osee support resources or contact customer service.

7. SPECIFICATIONS

Feature	Detail
Model Number	GoStream Duet 8 ISO
Input Channels	8 (Configurable: 4x SDI, 4x 4K-HDMI, 2x USB-3.0 Webcams, 4x NDI-HX, 2x MP4 Player, 4x SRT or RTMP)
Recording	PGM and 8-Channels ISO recording (MP4 H.264 & H.265 to SSD)
Audio Inputs	2x XLR (Dynamic/Condenser, 48V Phantom Power)
Keyers	1x Upstream, 2x Downstream (Chroma Key, Luma Key, PIP, Pattern)
Outputs	2x HDMI, 1x SDI, USB 3.0
Max Input Resolution	4K 60fps (HDMI)
Max Output Resolution	1080p 60fps (Recording/Streaming)
Dimensions	12.17 x 8.43 x 3.43 inches
Item Weight	2.95 pounds
Manufacturer	osee

8. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the documentation included with your product or visit the official

Osee website. Osee provides professional multilingual customer service to assist with any after-sales inquiries or technical support needs.

You can typically find support contact information on the manufacturer's website:www.osee.com