

SPROLINK NeoLIVE N5

SPROLINK NeoLIVE N5 Video Streaming Switcher Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your SPROLINK NeoLIVE N5 Video Streaming Switcher. Please read this manual thoroughly before using the device to ensure proper functionality and to prevent damage.

2. SAFETY INFORMATION

Observe the following safety precautions to prevent electric shock, fire, or damage to the unit:

- Do not expose the unit to rain, moisture, or extreme temperatures.
- Ensure proper ventilation; do not block any ventilation openings.
- Use only the power adapter supplied with the unit.
- Do not attempt to disassemble or modify the unit. Refer all servicing to qualified personnel.
- Keep the unit away from strong magnetic fields.

3. PRODUCT OVERVIEW

The SPROLINK NeoLIVE N5 is a compact, all-in-one video streaming switcher designed for live production. It features multiple input channels, a built-in 10.1-inch screen, and integrated streaming capabilities.

3.1. Front View



Image: Front view of the SPROLINK NeoLIVE N5, showing the integrated 10.1-inch display and the control panel with various buttons, knobs, and a T-bar for transitions.



Image: Angled view of the SPROLINK NeoLIVE N5, highlighting the compact laptop-style design and the multi-view display.

3.2. Rear Panel Connections



Image: Rear panel of the SPROLINK NeoLIVE N5, displaying various ports including DC 12V IN, LAN, SD card slot, USB, AUX, PGM, IN1-IN4 (HDMI), and MIC 1/2 audio inputs.

The rear panel provides connectivity for power, network, storage, and all video/audio inputs and outputs.

- **DC 12V IN:** Power input.
- **LAN:** Ethernet port for network connection and NDI input.
- **SD:** SD card slot for recording and media playback.

- **USB:** USB ports for media playback, UVC camera connection, and recording to external drives.
- **AUX:** Auxiliary input.
- **PGM:** Program output (HDMI).
- **IN1-IN4:** HDMI video inputs. HDMI 1 and 2 support 4K input.
- **MIC 1/2:** Microphone audio inputs.

4. SETUP

4.1. Connecting Power

Connect the provided 12V DC power adapter to the 'DC 12V IN' port on the rear panel and then plug it into a power outlet.

4.2. Connecting Video Inputs

The NeoLIVE N5 supports various video input types:

- **HDMI Inputs:** Connect your cameras, computers, or other HDMI sources to the HDMI IN1-IN4 ports. HDMI 1 and 2 support up to 4K resolution.
- **SDI Inputs:** The unit is equipped with 4 x 3G-SDI ports for professional video sources.
- **NDI Input (Optional):** For low-latency video acquisition, connect an NDI source via the Ethernet port.



Image: Diagram illustrating NDI input support, showing a network connection for video acquisition.

4.3. Connecting Video Outputs

The NeoLIVE N5 offers dual HDMI outputs and one SDI output for monitoring and program feed:

- Connect external monitors to the HDMI outputs for PGM (Program) and MV (Multi-View) monitoring.
- Use the SDI output for additional professional monitoring or distribution.

4.4. Connecting Audio

Connect microphones or other external audio sources to the MIC 1/2 inputs. The unit also processes embedded audio from HDMI inputs.

4.5. Network Connection

Connect an Ethernet cable to the LAN port for live streaming and NDI input functionality.

5. OPERATING

5.1. Powering On/Off

Press the power button to turn the unit on. To power off, press and hold the power button until the unit

shuts down.

5.2. Basic Switching

Use the input selection buttons (1-4) on the control panel to select your desired video source. The T-bar or CUT/AUTO buttons can be used for transitions between sources.

5.3. Multiple Transition Effects

The NeoLIVE N5 provides various transition effects such as FADE, WIPE, DIP, and DVE. Use the dedicated buttons and the duration knob to select and adjust transition speed (0.5 to 1.5 seconds).



Image: Graphic illustrating various transition effect icons available on the NeoLIVE N5, including cut, mix, wipe, and DVE options.

5.4. Audio Mixer Operation

The built-in audio mixer supports AFV (Audio-Follow-Video) and MIX audio modes. Adjust audio levels for HDMI embedded audio and external microphone inputs in real-time. A headphone jack is available for audio monitoring.



Image: Screenshot of the NeoLIVE N5's audio mixer interface, showing input levels for PGM, IN1-IN4, Media, Mic 1, Mic 2, and HP (headphone) with AFV and MIX options.

5.5. Media Playback

The integrated media player can play videos and display images (JPG, PNG) directly from connected USB storage devices or SD cards. These media files can be used as input sources.



Image: The NeoLIVE N5's multi-view display showing a media file being played and used as one of the input sources (IN4).

5.6. Lower Third Dynamic Overlay

Utilize the lower-third dynamic overlay feature to add text and graphics to your live production, enhancing visual effects.



Image: Example of a lower third graphic overlay with text 'Catering industry Food publicity' and 'anchor: Name' displayed over a video feed.

5.7. Virtual Chroma Key Algorithm

The NeoLIVE N5 includes a virtual chroma key algorithm for green screen or blue screen effects, useful for news broadcasts or live demonstrations.



Image: A person standing in front of a green screen, with a 'TV NEWS' graphic overlaid, demonstrating the chroma key functionality.

5.8. PTZ Camera Control

Control up to four PTZ (Pan-Tilt-Zoom) cameras directly from the switcher using the joystick, enabling smooth multi-camera switching.



Image: Diagram illustrating the PTZ camera control feature, showing a joystick and control buttons for camera movement and zoom.

5.9. Live Streaming Setup

The built-in hardware streaming engine allows direct streaming to platforms like TikTok, Instagram, YouTube, and Facebook via Ethernet without requiring a separate computer. Access the built-in web server to configure streaming settings and enter your streaming key.

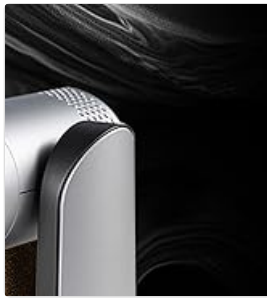


Image: Diagram depicting dual-channel live streaming, showing the NeoLIVE N5 connected via Ethernet to various streaming platforms and a smartphone displaying live stream comments.

5.10. Recording

Record live audio and video directly to a connected USB drive or external hard disk.

6. MAINTENANCE

6.1. Cleaning

Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid or aerosol cleaners. For the screen, use a screen-specific cleaning solution and a microfiber cloth.

6.2. Firmware Updates

Periodically check the SPROLINK official website for firmware updates. Follow the instructions provided with the update package carefully to ensure proper installation.

6.3. Storage

When not in use, store the NeoLIVE N5 in a cool, dry place, away from direct sunlight and extreme temperatures. Consider using a protective case for transport or long-term storage.

- 10.1-inch Flip-up Touch Screen for Easy Operation
- Support SUPER SOURCE Source Output
- Support NDI Input with Low-Latency Video via Ethernet
- N5S Features 4 in 8 optional Input channels
- Support Type-C USB 3.0 Lossless Capture
- Support 4K Input for More Signal Sources Connection
- UVC Camera & Remote Camera Access
- Built-in Media Player for Direct Playback & Serve As Input Sources
- Supports PGM output and variable channel MV output
- Supports USB & HDD Recording
- Built-in Portrait & Landscape Screen Rotation & Switch
- Built-in Web Server for Remote Control
- Support Dual Channel Stream via Ethernet

Image: A grey carrying case designed for the SPROLINK NeoLIVE N5, indicating safe storage and transport.

7. TROUBLESHOOTING

If you encounter issues with your NeoLIVE N5, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Power adapter not connected or faulty.	Ensure power adapter is securely connected and plugged into a working outlet. Test with another outlet if possible.

Problem	Possible Cause	Solution
No video input signal	Cable issue, incorrect input selection, or source device off.	Check video cables (HDMI/SDI) for secure connection. Verify the input source is powered on and outputting video. Select the correct input channel on the NeoLIVE N5.
No audio	Audio levels too low, incorrect audio input selected, or faulty cable.	Adjust audio levels in the mixer. Ensure the correct audio input (embedded HDMI or external MIC) is selected and active. Check audio cables.
Streaming issues	Network connectivity, incorrect streaming settings, or platform issues.	Verify Ethernet connection. Check streaming key and server URL in the web interface. Ensure your internet connection is stable. Consult the streaming platform's support.

If the problem persists after trying these solutions, please contact SPROLINK customer support.

8. SPECIFICATIONS


Below are the technical specifications for the SPROLINK NeoLIVE N5 Video Streaming Switcher:

- **Product Dimensions:** 2.48 x 9.84 x 8.11 inches
- **Item Weight:** 7.04 pounds
- **Model Number:** Neolive N5
- **Batteries:** 1 Lithium Metal battery required (included)
- **Color:** Black
- **Connector Type:** HDMI, SDI
- **Compatible Devices:** Camera, Monitor, Personal Computer
- **Input Interfaces:** 4 x 3G-SDI, 4 x HDMI (HDMI 1 & 2 support 4K), NDI (optional), USB (for media/UVC camera)
- **Output Interfaces:** Dual HDMI (PGM, MV), 1 x SDI
- **Display:** 10.1-inch flip-up touch screen
- **Audio:** Professional audio mixer (AFV, MIX modes), headphone jack
- **Streaming:** Built-in hardware streaming engine (RTMP/SRT)
- **Recording:** Direct to USB drive/external HDD
- **Special Features:** Super Source Output, Media Player, Lower Third Overlay, Virtual Chroma Key, PTZ Camera Control, Web Server for Remote Control

9. WARRANTY AND SUPPORT

The SPROLINK NeoLIVE N5 comes with a 1-year manufacturer's warranty. For technical support, warranty claims, or further assistance, please contact SPROLINK customer service through their official website or the retailer where the product was purchased.

You can visit the [SPROLINK Store on Amazon](#) for more information and support resources.

	<p>SPROLINK NeoLIVE R2 User Manual: Professional Live Streaming Switcher Guide</p> <p>Detailed user manual for the SPROLINK NeoLIVE R2, covering video and audio operations, panel descriptions, connection ports, and quick start guide for professional live streaming.</p>
	<p>SPROLINK NeoLIVE R2 PLUS User Manual: Professional Live Streaming Switcher Guide</p> <p>Explore the SPROLINK NeoLIVE R2 PLUS with this comprehensive user manual. Discover how to utilize its advanced features for professional live streaming, including multi-input support, audio control, PTZ camera integration, and creative transitions.</p>
	<p>SPROLINK NeoLIVE R5PRO Series User Manual & Product Specification</p> <p>This document provides a comprehensive user manual and product specification for the SPROLINK NeoLIVE R5PRO Series live streaming switcher. It details the device's features, local panel operations, menu functions including input/output configuration, effects, audio, media management, PTZ camera control, and system settings, designed for professional live streaming applications.</p>
	<p>NeoLIVE R2 PLUS User Manual</p> <p>User manual for the NeoLIVE R2 PLUS, a professional live streaming switcher with 4 HDMI inputs, 2 external audio inputs, and multiple output options. Learn about its features, operation, and system settings.</p>
	<p>SPROLINK NeoLIVE R5PRO Series User Manual and Product Specification</p> <p>Comprehensive user manual and product specification for the SPROLINK NeoLIVE R5PRO Series live streaming switcher, detailing its features, operations, and system settings.</p>
	<p>SPROLINK NeoLIVE R5SPRO: Professional Multi-Functional Live Streaming Switcher</p> <p>Discover the SPROLINK NeoLIVE R5SPRO, an advanced multi-functional live streaming switcher designed for professional multi-camera productions. It offers 8 input channels (4x SDI, 4x HDMI with 4K support), optional NDI input, dual channel RTMP streaming, robust audio mixing, and built-in recording capabilities.</p>