Sprolink NeoLIVE R2

SPROLINK NeoLIVE R2 Multi-Camera HDMI Mixer Switcher User Manual

Model: NeoLIVE R2

PRODUCT OVERVIEW

The SPROLINK NeoLIVE R2 is a professional video mixer and switcher designed for live streaming and multi-camera productions. It features an integrated 5.5-inch LCD screen with a 10-window multi-view display, allowing comprehensive monitoring of all inputs and outputs.

Equipped with a USB 3.0 port, the NeoLIVE R2 enables seamless streaming to various live platforms and third-party software like OBS in 1080P quality. Its unique scene switching capability allows users to transition between pre-configured setups with ease. Advanced features include Picture-in-Picture (PIP), graphic background layers, chroma keying, and logo overlays, providing broadcast-level functionalities for diverse applications.

The device is built with robust metal casing and features professional, user-friendly buttons and rotary knobs for intuitive control. It supports 4 HDMI inputs and 1 HDMI output, along with dedicated USB ports for streaming and image management. Integrated audio inputs/outputs and a LAN port for remote control further enhance its versatility. A standout feature is its ability to control up to 4 PTZ cameras, allowing users to save and recall complete scenes including camera positions.

Key Features:

- Professional video mixer with 4 HDMI 1080P60 inputs, 1 HDMI output, and USB 3.0 output for streaming.
- Multiple chroma and DSK keys, plus 2 graphic layers for complex scene creation and storage.
- Seamless switching between scenes via cut, dissolve, or wipe effects.
- USB 3.0 output recognized as a single camera by computers, enabling multi-camera setups for platforms like Zoom and YouTube.
- Integrated audio mixer for managing 4 HDMI audio channels, with 2 additional audio inputs for microphones and two audio outputs.
- Multi-layer image construction: graphic background, 2 live video layers, and a logo overlay layer.
- Each live video layer includes a chroma keyer and DVE effects for complex scene building and preset saving.
- Integrated 5.5" LCD screen with a 10-window multi-screen display for inputs, preview, and output.
- Built-in PTZ controller for up to 4 PTZ cameras, allowing easy adjustment and saving of camera positions and zoom as presets.

- Robust metal casing with large, bright professional buttons and a T-bar for intuitive operation.

PACKAGE CONTENTS

Please ensure all the following items are included in your package:

- SPROLINK NeoLIVE R2 Unit
- HDMI Cables
- USB Cables
- Power Adapter
- User Manual (this document)

DEVICE LAYOUT AND CONTROLS

Familiarize yourself with the various components and controls of your NeoLIVE R2 unit.
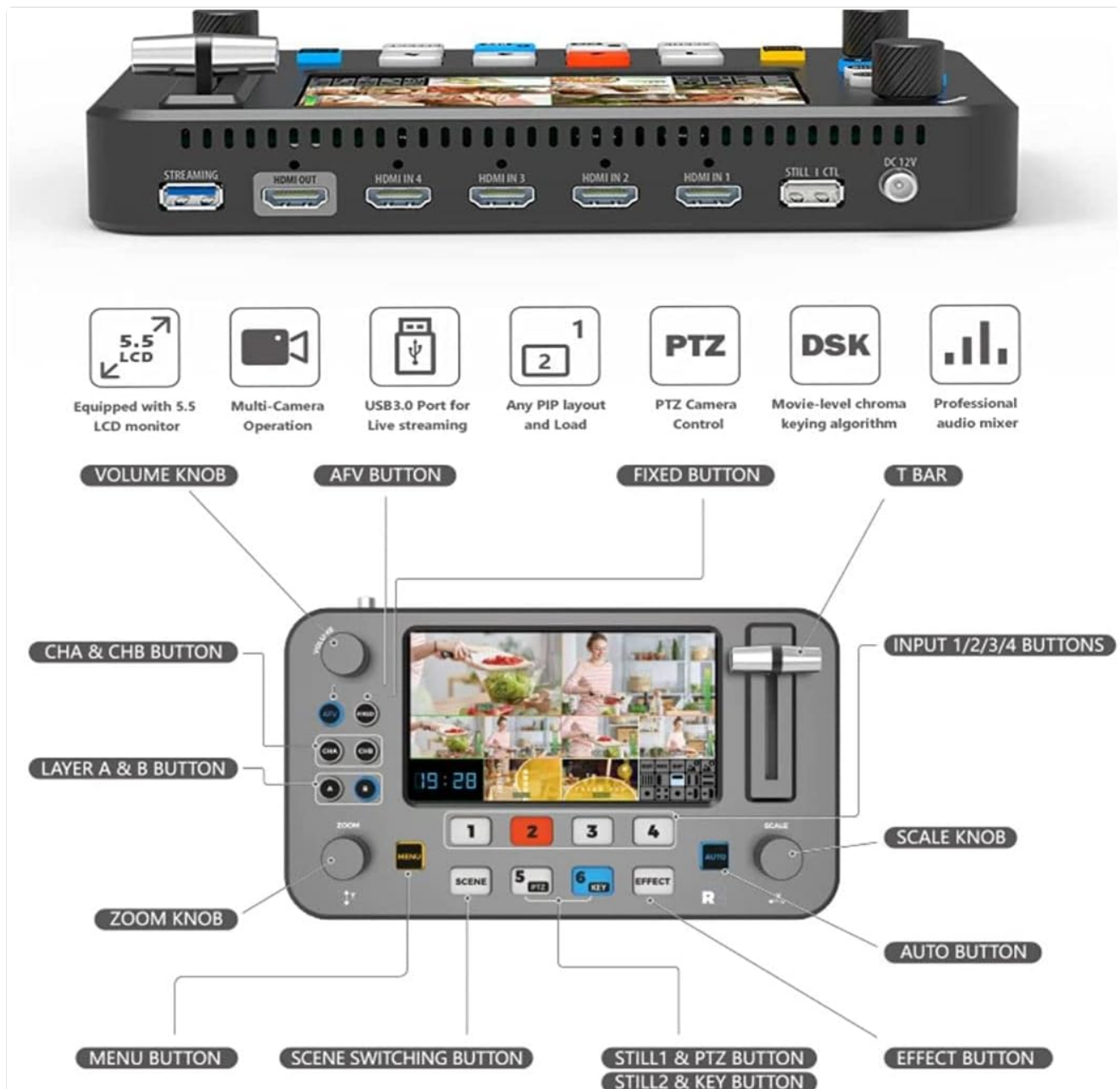

Figure 1: NeoLIVE R2 Control Panel Overview

This image displays the top and rear panels of the NeoLIVE R2, highlighting the integrated 5.5-inch LCD monitor, input selection

buttons (1-4), menu, scene, PTZ, key, effect, and auto buttons. It also shows the volume knob, AFV button, CHA & CHB buttons, layer A & B buttons, zoom knob, scale knob, and the T-bar for transitions. The rear panel reveals the streaming USB 3.0 port, HDMI output, HDMI inputs (1-4), STILL/CTL port, and DC 12V power input. Below the main unit, a detailed diagram labels each control and port for easy identification.

Figure 2: Front View of NeoLIVE R2

This image provides a clear front-angle view of the SPROLINK NeoLIVE R2, showcasing its compact design, the central 5.5-inch LCD multi-view display, and the prominent control buttons and knobs. The T-bar for smooth transitions is also visible on the right side.

HDMI output and USB3.0 Port

NeoLIVE R2 support USB3.0 output, which can help the PC recognize the camera to realize smooth live streaming via the third party live streaming software, to avoid the compatibility problem between different software. User can easily scale and zoom the picture horizontally and vertically by the knob, to make a broadcast level live streaming.

Use professional microphone

NeoLIVE R2 support 2 independent 3.5 stereo audio input, user can connect them to the desktop microphone, clipper microphone, or the music player.
All the audio connected with the mixer has relevant button on board for independent setting. What's more, user can also mix and monitor all the HDMI embedded audio and the 2 x microphone input.

Figure 3: HDMI and USB 3.0 Ports

This close-up image illustrates the HDMI output and USB 3.0 port on the NeoLIVE R2, with cables connected, emphasizing their role in live streaming and video output. The text highlights that the USB 3.0 output allows the PC to recognize the device as a camera for smooth live streaming via third-party software, avoiding compatibility issues.

Central control several cameras

NeoLIVE R2 can remote control the PTZ camera, such as move horizontally or vertically, zoom and so on, so photographer can just focused on the shoot.

Figure 4: Audio Input Ports

This image shows a professional microphone next to the NeoLIVE R2, highlighting the device's support for 2 independent 3.5mm stereo audio inputs (Mic/Line In). It also mentions the ability to mix and monitor HDMI embedded audio and the two microphone inputs.

SETUP GUIDE

Connecting Your Devices

1. **Power Connection:** Connect the provided power adapter to the DC 12V input port on the rear of the NeoLIVE R2 and plug it into a power outlet.

2. **HDMI Inputs:** Connect your HDMI source devices (e.g., cameras, game consoles, computers) to the HDMI IN 1-4 ports on the rear panel.

3. **HDMI Output:** Connect a monitor or display to the HDMI OUT port to view the program output or multi-view display.

4. **USB 3.0 for Streaming:** Connect a USB 3.0 cable from the STREAMING port on the NeoLIVE R2 to your computer for live streaming. Your computer will recognize the NeoLIVE R2 as a webcam.

5. **USB 2.0 for Image/Upgrade:** Use the USB 2.0 port (often labeled STILL/CTL or similar) for uploading images for graphic overlays or for firmware upgrades.

6. **Audio Connections:** Connect external microphones or audio sources to the 3.5mm audio input jacks (Mic/Line In). Connect headphones or speakers to the audio output jacks (Phones/Line Out) for monitoring.

7. **LAN Connection:** Connect an Ethernet cable to the LAN port for remote control capabilities, if supported by your setup.

Powering On

Once all connections are secure, press the power button (if available, otherwise it powers on automatically when connected to power) to turn on the NeoLIVE R2. The integrated LCD screen will light up, displaying the multi-view interface.

OPERATING INSTRUCTIONS

Basic Operation

- **Input Selection:** Use the numbered buttons (1-4) to select the desired HDMI input source for your program output.

- **Scene Switching:** The NeoLIVE R2 allows switching between two pre-configured scenes (Preview and Program). Use the T-bar or the CUT/AUTO buttons for transitions.

- **Multi-View Display:** The 5.5-inch LCD screen provides a multi-view display of all input channels, the preview output, and the program output.

Advanced Features

- **Picture-in-Picture (PIP):** The NeoLIVE R2 supports PIP functionality, allowing you to overlay one video source onto another. Adjust size and position using the dedicated controls.

- **Chroma Key and DSK:** Utilize the independent chroma keyers and Downstream Key (DSK) functions to remove backgrounds (green screen) and overlay graphics or text.

- **Graphic Layers:** Construct your output with multiple layers: a graphic background layer, two live video layers

(with scaling and chroma key), and a logo overlay layer.

- **PTZ Camera Control:**

Figure 5: PTZ Camera Control Capability

This image shows the NeoLIVE R2's capability to control up to 4 PTZ cameras, allowing users to adjust camera angles and zoom for dynamic live productions. The text emphasizes that users can connect up to 4 PTZ cameras to get different angle views and that NeoLIVE R2 will centrally control all inputs for a better presentation.

Live Talk Show Application

NeoLIVE R2 is ideal for live talk show program, with 4x camera inputs, it can easily switch between the close up view and wide angle view, and its mini and compact design make the operation easy and simple.

Education and Training Application

With the compact and portable design, NeoLIVE R2 is ideal for online education and training. User can easily bring them to different location to have a online training, and when connect with PC, it supports logo overlay and various transition effect.

Live E-Commercial Business

User can use NeoLIVE R2 to set a virtual studio for live e-commercial sales easily with one camera for product close up showing, one for commendation. When connecting to PC, it will show PPT presentation and recording via live streaming software and then send to different live stream platforms, like Tiktok, YouTube, Facebook and so on.

E-sport media live streaming

As long as connect with several game machines and one camera for commentation, users can go live streaming on different game platform. NeoLIVE R2 support live stream at 60hz/second, and users can use PIP function to do live streaming commentation.

Business presentation via Skype

NeoLIVE R2 can help Skype recognize it as a web-camera, so during the business presentation, user can set one camera as a close-up view, and one as the wide angle camera, and one more camera as PPT presentation to realize professional business online meeting or presentation.

Figure 6: Remote PTZ Control

This diagram visually represents the NeoLIVE R2's remote PTZ camera control feature, indicating that photographers can focus on shooting while the mixer handles camera movement (horizontal, vertical, zoom). The PTZ button (labeled 5) on the device is highlighted.

The integrated PTZ controller allows you to control up to 4 PTZ cameras. Adjust camera position (pan, tilt) and zoom directly from the NeoLIVE R2. Save and recall specific camera positions as presets for quick access during live events.

- **Audio Mixer:** Manage audio from your HDMI inputs and external microphone inputs. Control volume, mix audio channels, and apply audio follow video (AFV) or audio lock settings.

- **Live Streaming via USB 3.0:**

1080P 60Hz HD Live Streaming without Any Signal Lossless by USB 3.0 port

The NeoLIVE R2 supports USB3.0 port which can stream any of the 4xHDMI inputs to any live broadcasting flatform like YouTube, Facebook or Twitter via NeoLIVE software or the third-party software like OBS. What's more, it can also connect with PC to live stream the PPT content, website content or the real time live video gaming with seamless switching.

Figure 7: Live Streaming Setup

This image demonstrates the NeoLIVE R2's 1080P 60Hz HD live streaming capability via its USB 3.0 port. It shows the device connected to a computer and highlights compatibility with popular platforms such as YouTube, Facebook Live, Twitch, Zoom, and Microsoft Teams, indicating its use for streaming PPT content, website content, or real-time video gaming with seamless switching.

Connect the NeoLIVE R2 to your computer via the USB 3.0 port. The device will be recognized as a webcam, allowing you to use it with various streaming software (e.g., OBS, Zoom, YouTube Live) for high-quality live broadcasts.

Saving and Recalling Presets

The NeoLIVE R2 allows you to save complex scenes, including camera positions, layer configurations, and effects, as presets. Refer to the on-screen menu or specific buttons (e.g., SCENE) for saving and recalling these presets quickly during your production.

Application Scenarios

Figure 8: Diverse Application Examples

This image showcases the versatility of the NeoLIVE R2 across different professional settings. It illustrates its use in live talk shows, educational and training applications, live e-commerce businesses, e-sport media live streaming, and business presentations via platforms like Skype. Each scenario demonstrates how the compact design and multi-camera inputs facilitate easy operation and high-quality production.

MAINTENANCE

- **Cleaning:** Regularly wipe the unit with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials. Ensure no dust or debris accumulates in the ports or ventilation areas.

- **Firmware Updates:** Periodically check the Sprolink official website for firmware updates. Updates can be installed via the USB 2.0 port (often labeled STILL/CTL or similar) following the instructions provided with the update package.

- **Storage:** When not in use for extended periods, store the NeoLIVE R2 in a cool, dry place, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

If you encounter any issues with your SPROLINK NeoLIVE R2, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power	Power adapter not connected or faulty; power outlet issue.	Ensure power adapter is securely connected. Try a different power outlet. Check power adapter for damage.
No video signal on output	Incorrect HDMI input selected; faulty HDMI cable; display issue.	Verify the correct input is selected on the NeoLIVE R2. Check HDMI cable connections. Try a different HDMI cable or display.

Problem	Possible Cause	Solution
No audio output	Audio levels too low; incorrect audio input selected; faulty audio cable.	Adjust volume knobs. Ensure correct audio input is active. Check audio cable connections.
Computer not recognizing device for streaming	Incorrect USB port used; driver issue; USB cable issue.	Ensure USB 3.0 STREAMING port is used. Try a different USB 3.0 port on your computer. Restart computer and NeoLIVE R2. Check for necessary drivers (usually plug-and-play).
PTZ camera control not working	Incorrect PTZ camera connection; camera not in PTZ mode; network issue.	Verify PTZ camera is properly connected and configured. Ensure camera is in a compatible PTZ mode. Check network connection if controlling via LAN.

If the problem persists after trying these solutions, please contact Sprolink customer support for further assistance.

SPECIFICATIONS

Feature	Detail
Brand	Sprolink
Model Name	NeoLIVE R2
Item Model Number	SC-PTZ -12X
Product Type	Compact
Screen Size	5.5 inches LCD
Video Resolution	1080p
Video Recording Resolution	1080p
Connectivity Technology	Ethernet, USB, HDMI, Mini Jack
Compatible Devices	Tablet, Smartphone, Laptop, Personal Computer
Package Dimensions (L x W x H)	24 x 17 x 17 centimeters
Package Weight	2 Kilograms
Image Stabilization	No
Included Components	HDMI cables, USB cables, power adapter, user manual
Max Focal Length	110
Min Focal Length	5.5
Model Year	2022
Water Resistance Level	Not waterproof

Feature	Detail
Zoom Type	Optical
Focus Type	Manual Focus
Spare Parts Availability	Information unavailable on spare parts
Software Updates Guaranteed Until	Information not available
Flash Memory Type	Internal flash memory
Video Capture Format	MP4
Supported Audio Format	AAC, MP3, PCM
Camcorder Type	Video Camera
Date First Available on Amazon.com.be	March 10, 2023
Manufacturer	Sprolink

WARRANTY AND SUPPORT

The SPROLINK NeoLIVE R2 comes with a standard manufacturer's warranty. For detailed information regarding warranty terms, duration, and conditions, please refer to the warranty card included with your product or visit the official Sprolink website.

For technical support, troubleshooting assistance beyond this manual, or inquiries about spare parts and software updates, please contact Sprolink customer service through their official channels. Contact information can typically be found on their website or in the product packaging.

Related Documents - NeoLIVE R2

SPROLINK NeoLIVE R2 PLUS User Manual: Professional Live Streaming Switcher Guide
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.

NeoLIVE R2 PLUS User Manual V 1.0 Creative Video Revolution	**[NeoLIVE R2 PLUS User Manual](#)** 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.
NeoLIVE R5PRO Series User Manual PRODUCT SPECIFICATION V 1.0 www.sprolink.com	**[SPROLINK NeoLIVE R5PRO Series User Manual & Product Specification](#)** 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.
NeoLIVE R2 User Manual	**[SPROLINK NeoLIVE R2 User Manual: Professional Live Streaming Switcher Guide](#)** 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.
NeoLIVE R5PRO Series User Manual PRODUCT SPECIFICATION V 1.0 www.sprolink.com	**[SPROLINK NeoLIVE R5PRO Series User Manual and Product Specification](#)** Comprehensive user manual and product specification for the SPROLINK NeoLIVE R5PRO Series live streaming switcher, detailing its features, operations, and system settings.
NeoLIVE R5SPRO FULLY UPGRADED MULTI-FUNCTIONAL LIVE STREAMING SWITCHER	**[SPROLINK NeoLIVE R5SPRO: Professional Multi-Functional Live Streaming Switcher](#)** 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.