

## FEELWORLD L4

# FEELWORLD L4 10.1-inch Touch Screen Video Switcher User Manual

Model: L4

## 1. INTRODUCTION

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The FEELWORLD L4 is a compact and versatile 10.1-inch touch screen video switcher designed for multi-camera live streaming and video production. It integrates multiple functions including video switching, audio mixing, chroma key, and various transition effects, making it suitable for professional and semi-professional applications. This manual provides detailed instructions for its setup, operation, and maintenance.



Image 1.1: Front view of the FEELWORLD L4 Video Switcher, showcasing its 10.1-inch touch screen and control buttons.

## 2. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 × FEELWORLD L4 Video Switcher
- 1 × Power Adapter (3A)
- 1 × USB3.0 Cable
- 1 × Quick Start Manual



Image 2.1: Contents of the FEELWORLD L4 package, including the switcher, power adapter, USB3.0 cable, and manual.

### 3. PRODUCT OVERVIEW

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#### 3.1 Front Panel Controls

The front panel features a 10.1-inch touch screen for intuitive control, along with physical buttons and a T-bar for precise operation.



Image 3.1: Detailed view of the L4 front panel, highlighting the 10.1-inch touchscreen, 1-5 signal buttons, quick function buttons, knob, main menu button, and T-bar.

#### 3.2 Rear Panel Interfaces

The rear panel provides all necessary input and output ports for connecting cameras, audio devices, and external monitors.



Image 3.2: Rear panel of the L4, showing Audio In, LAN, USB Control, HDMI Inputs (1-4), PGM Out, SDI Output, and DC In ports.

## 4. SETUP

Follow these steps to set up your FEELWORLD L4 Video Switcher:

1. **Power Connection:** Connect the provided power adapter to the DC IN port on the rear panel and plug it into a power outlet.
2. **Input Sources:** Connect your HDMI and SDI cameras or other video sources to the HDMI INPUT (1-4) and SDI INPUT ports.
3. **Output Monitors:** Connect your program (PGM) and preview (PVW) monitors to the HDMI OUT and SDI OUT ports.
4. **Audio Input:** If using external audio, connect your microphone or audio mixer to the AUDIO IN port.
5. **USB Connection for Streaming:** Connect the USB3.0 cable from the L4 to your computer for live streaming.
6. **Network Connection:** For remote control via PC/APP, connect the LAN port to your network switch.



Image 4.1: Diagram illustrating a basic setup with DSLR, camcorder, PC, and microphone connected to the L4 for streaming.



Image 4.2: Diagram showing a setup with multiple PTZ cameras and a PTZ controller connected to the L4.

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Video 4.1: A short video demonstrating the initial setup and connections of the FEELWORLD L4.

## 5. OPERATION

### 5.1 Basic Switching

Use the 10.1-inch touch screen or the physical buttons (1-5) to select input sources for preview (PVW) and program (PGM). The T-bar allows for smooth transitions between sources.

### 5.2 Multi-camera Live Streaming

The L4 supports real-time multi-camera live streaming via its USB3.0 output. Connect the L4 to your computer and use compatible streaming software (e.g., OBS, vMix) to broadcast to various social media platforms.



Image 5.1: Diagram showing the L4 connected to a PC for USB3.0 live streaming, integrating various input sources.

### 5.3 Chroma Key and Logo Overlay

Utilize the chroma key function for green or blue screen effects, allowing you to replace backgrounds with

virtual sets or other video sources. The logo overlay feature enables you to add custom graphics or branding to your output.

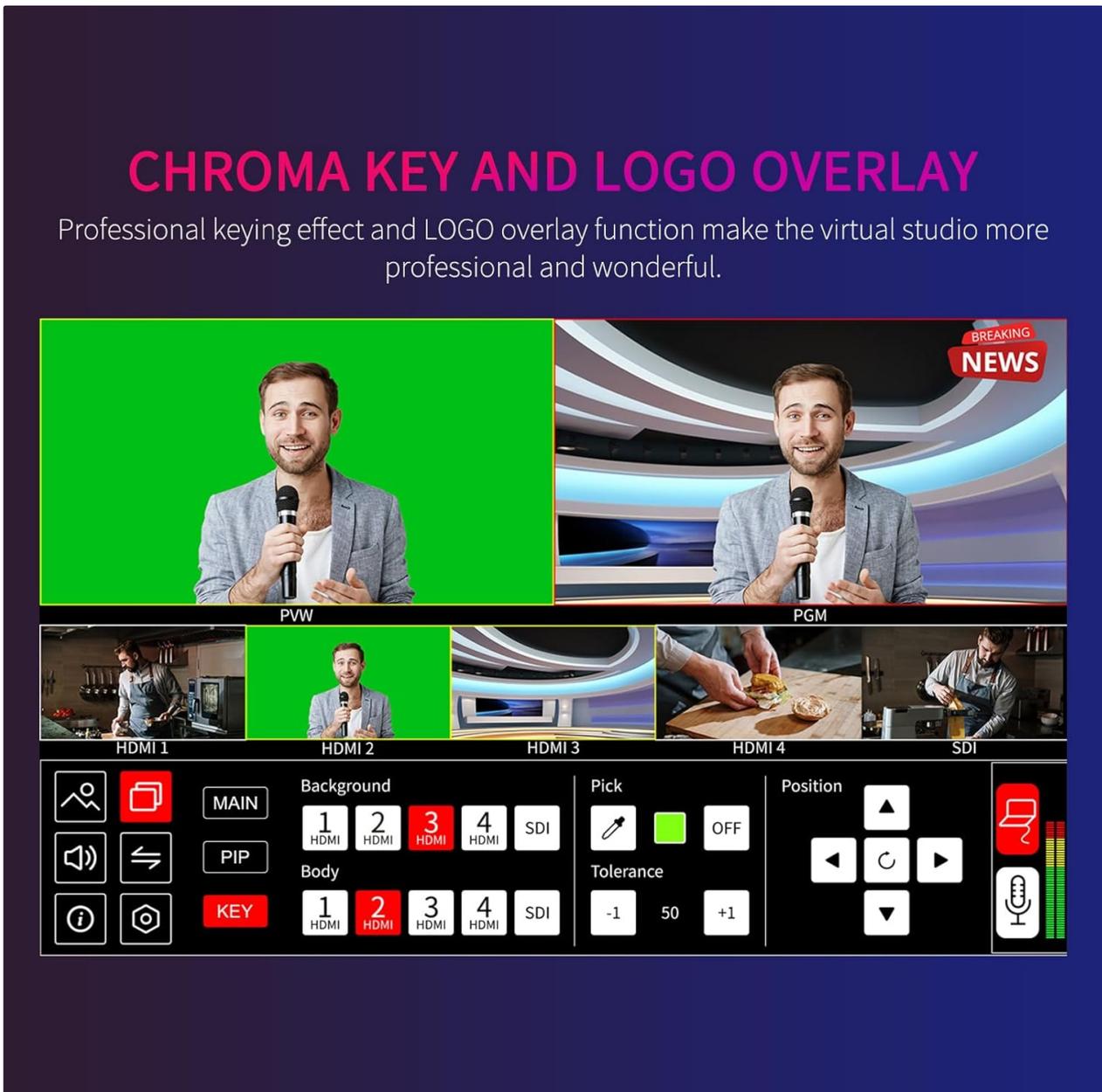


Image 5.2: Example of chroma key in action, showing a presenter against a green screen being replaced with a virtual background.



Image 5.3: Touchscreen interface for adjusting chroma key settings, including background selection and tolerance.

## 5.4 Audio Mixing

The L4 features a built-in audio mixer, allowing you to mix embedded audio from HDMI/SDI inputs with an external audio source. Adjust levels and monitor audio directly on the device.

# MULTIFUNCTIONAL

## Dramatically Better Quality Images

L4 supports HDMI, SDI, embedded audio, and external audio mixing for recording or live streaming. You can quickly switch between four high-quality video camera inputs to obtain higher quality images.



Image 5.4: Touchscreen display showing the audio mixing interface with controls for main and mix audio, volume, and earphone output.



Image 5.5: Close-up of the audio input ports on the L4, including Audio In and LAN connections.

### 5.5 Picture-in-Picture (PIP)

Display two video inputs simultaneously using the Picture-in-Picture function. Select from various PIP modes and positions to suit your production needs.



Image 5.6: Touchscreen interface for configuring Picture-in-Picture settings, including position and size.

## 5.6 Transition Effects

The L4 offers a range of professional broadcast-quality transition effects. Use the T-bar to execute transitions smoothly, with adjustable durations from 0.5 to 5 seconds.



Image 5.7: Visual representation of various transition effects available on the L4.

## 5.7 Remote Control

Control the L4 remotely using a PC or a dedicated mobile application. This allows for flexible operation, separating the control room from the performance area.



## REMOTE CONTROL

Support PC and phone APP controlling, accomplish the control room be separated away from the performance.



Image 5.8: Examples of remote control interfaces on a smartphone and a laptop, showing the L4's control panel.

### 5.8 Brightness Histogram

The integrated brightness histogram provides real-time exposure monitoring, aiding in accurate exposure settings and reducing post-production time.



Image 5.9: Display showing the brightness histogram for both preview (PVW) and program (PGM) outputs.

## Operation Video Guides

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Video 5.1: A brief demonstration of key operational features of the L4.

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Video 5.2: A more detailed tutorial on specific functions and settings of the L4.

## 6. SPECIFICATIONS

Feature	Specification
Brand	FEELWORLD
Model Number	L4
Display	10.1-inch Touch Screen

HDMI Input	4x HDMI (SMPTE 720p/1080i/1080p/2160p, VESA up to 3840x2160@30)
SDI Input	1x SDI (720p/1080i/1080p)
HDMI Output	1x HDMI (SMPTE 720p/1080p, VESA up to 1920x1080@60)
SDI Output	1x SDI (720p/1080i/1080p)
USB Output	1x USB3.0 (720p50/60, 1080p25/30/50/60)
Audio Input	Yes
Chroma Key	Supported
Logo Overlay	Supported
Picture-in-Picture (PIP)	Supported
Transition Effects	Supported (0.5s to 5s adjustable)
Remote Control	PC/APP Control
Item Weight	4.33 pounds
Package Dimensions	16.26 x 8.94 x 3.27 inches

## 7. TROUBLESHOOTING

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This section addresses common issues you might encounter with your FEELWORLD L4 Video Switcher.

- **No Video Output:**

- Ensure all HDMI/SDI cables are securely connected.
- Verify that input sources are powered on and outputting a signal.
- Check the input format compatibility with the L4 specifications.
- Confirm that the correct input source is selected on the L4.

- **No Audio:**

- Check audio input connections and ensure external audio devices are powered.
- Verify audio levels on the L4's audio mixer interface.
- Ensure embedded audio is enabled for the selected HDMI/SDI input if applicable.

- **Live Stream Not Detected by PC:**

- Ensure the USB3.0 cable is correctly connected to a USB3.0 port on your PC.
- Restart the streaming software (e.g., OBS) and check its input device settings.
- For Mac users, ensure the L4 driver is recognized via a USB3.0 port of a Type-C Hub if using a Mac Book.

- **Touch Screen Unresponsive:**

- Restart the device by powering it off and on.
- Ensure the screen is clean and free from debris.

## 8. MAINTENANCE

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Proper maintenance ensures the longevity and optimal performance of your L4 Video Switcher.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. For the touch screen, use a screen-specific cleaning solution and a microfiber cloth. Avoid abrasive cleaners or solvents.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures. When not in use for extended periods, disconnect the power adapter.
- **Ventilation:** Ensure proper ventilation around the device to prevent overheating. Do not block ventilation openings.
- **Cable Management:** Organize cables neatly to prevent damage and ensure secure connections.

## 9. WARRANTY AND SUPPORT

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FEELWORLD products are designed for reliability and performance. For warranty information and technical support, please refer to the official FEELWORLD website or contact your local distributor.

- **Manufacturer:** FEELWORLD
- **Official Website:** [www.feelworld.cn](http://www.feelworld.cn) (Please check for the most current support information)