



# L3 PRO

## Professional Multi Format Video Switcher



## User Manual

Thank you for choosing our product!

This User Manual is designed to show you how to use this video switcher quickly and make use of all the features. Please read all directions and instructions carefully before using this product.

## **Safety Instruction**

The general safety information in this summary is for operating personnel.

1. There are no user-serviceable parts within the unit. Removal of the top cover will expose dangerous voltages. To avoid personal injury, do not remove the top cover. Do not operate the unit without the cover installed.
2. Please do not use chemical solutions to clean this product. Please wipe the switcher with a clean soft cloth to maintain the brightness of the surface.
3. This product comes with standard 12V/3A power adapter, please use the power supply correctly.
4. To avoid explosion, do not operate this product in an explosive atmosphere.

## **Installation Safety Summary**

### **Safety Precautions**

For all product installation procedures, please observe the following important safety and handling rules to avoid damage to yourself and the equipment. To protect users from electric shock, ensure that the chassis connects to earth via the ground wire provided in the AC power Cord. The AC Socket-outlet should be installed near the equipment and be easily accessible.

### **Unpacking and Inspection**

Before opening product shipping box, inspect it for damage. If you find any damage, notify the shipping carrier immediately for all claims adjustments. As you open the box, compare its contents against the packing slip. If you find any shortages, contact your sales representative. Once you have removed all the components from their packaging and checked that all the listed components are present, visually inspect the system to ensure there was no damage during shipping. If there is damage, notify the shipping carrier immediately for all claims adjustments.

### **Site Preparation**

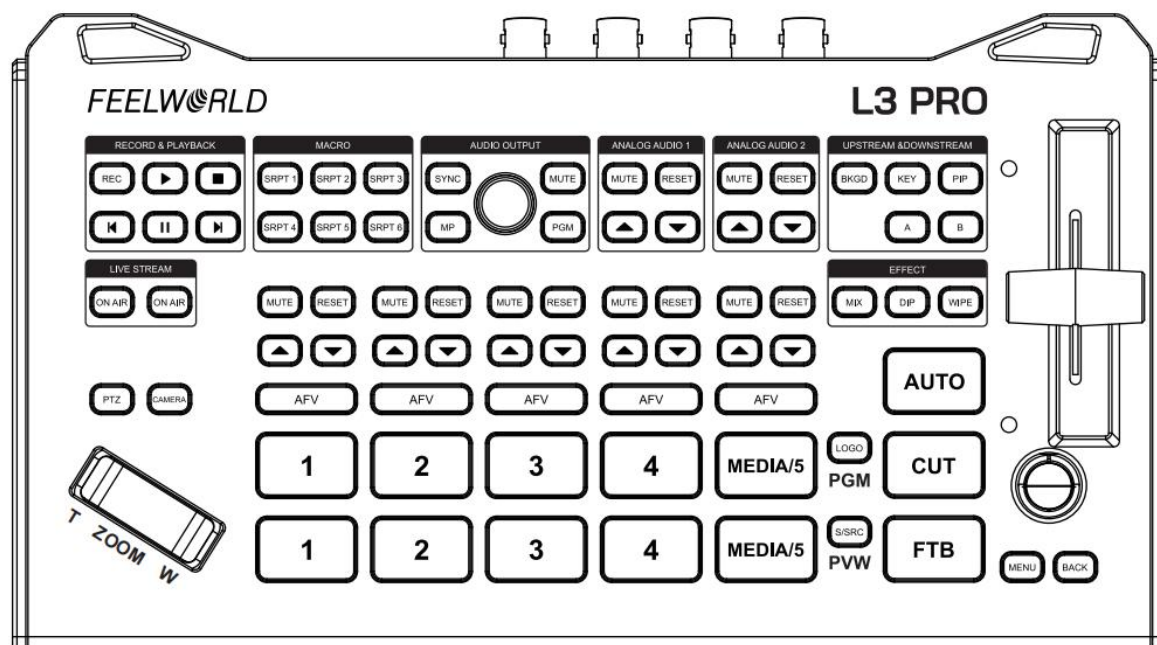
The environment in which you install your product should be clean, properly lit, free from static, and have adequate power, ventilation, and space for all components.

## Key Features


- ◆ Supports 9+1 input sources (4\*3G-SDI + 4\*HDMI + USB--extend UVC camera, playback/media library)
- ◆ 2\*HDMI outputs easy to connect external display for PGM and PVW monitoring
- ◆ T-Bar easily switch the transition effects and signal sources, up to 16 transition effects
- ◆ USB2.0 real-time recording and supports playback
- ◆ USB-C or RTMP (S) fast to live streaming
- ◆ Joystick and Zoom key for effortless PTZ control
- ◆ Embedded & Insert Audio with Sync
- ◆ Up to 7-channel audio mixing
- ◆ Chrome key + Logo overlay creating an exciting studio
- ◆ 8 PIP modes, support size/position custom adjustment, scale & crop
- ◆ Real-time view saving and fast call out
- ◆ Supports UVC input, compatible with such as DJI Osmo Action 5, Osmo Action 4, Osmo Pocket 3, DJI Pocket 2, Logitech C series/Brio series, Feelworld USB webcam etc, Blackmagic ATEM mini series, OBS tiny series/meet series, Yealink UVC86, Insta360 X3/link UHD 4K AI WEBCAM
- ◆ PC/Phone remote control via APP


# Chapter 1 Your Product

## 1.1 Front Panel Instruction

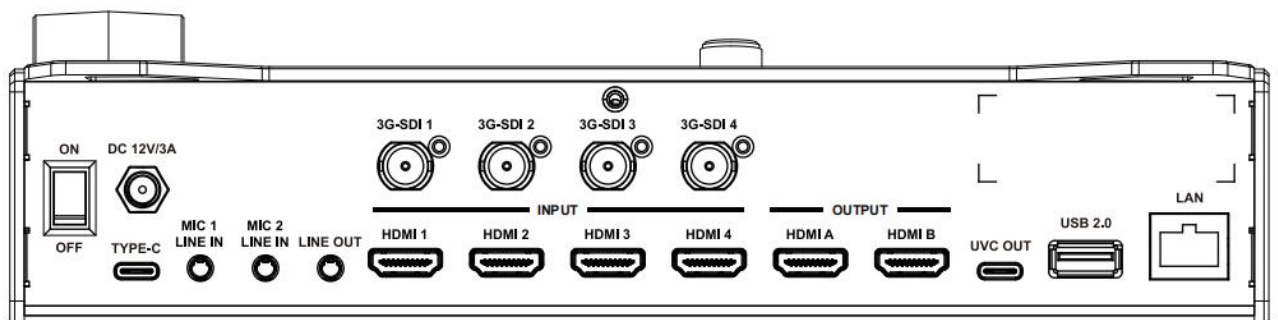



Area	Button	Instruction
Record & Playback	REC	Recording Key
	▶	Play Key
	■	Stop Key
	◀	Play Previous Video
	⏸	Pause Key
	▶	Play Next Video
MACRO	SRPT1~SRPT6	You can pre-store the settings of buttons and menus as 6 groups, and quickly call the saved settings with one click
AUDIO OUTPUT	◯	Adjust the Volume
	SYNC	Control the volume of MP and PGM simultaneously
	MUTE	Mute Key
	MP	When SYNC is turned off, select MP and set the volume of MP

	<b>PGM</b>	When SYNC is turned off, select PGM and set the volume of PGM
<b>ANALOG AUDIO</b>	<b>MUTE</b>	Mute Key
	<b>RESET</b>	Restore system default audio settings
	▲	Increasing the audio level (will not active when at the highest level)
	▼	Decreasing the audio level(will not active when at the lowest level)
<b>UPSTREAM &amp; DOWNSTREAM</b>	<b>BKGD</b>	Background Signal Source Selection
	<b>KEY</b>	KEY ON/OFF
	<b>PIP</b>	PIP ON/OFF
	<b>A</b>	After enabling the KEY/PIP function, you can select layer A to make it adjustable and switchable
	<b>B</b>	After enabling the KEY/PIP function, you can select layer B to make it adjustable and switchable
<b>LIVE STREAM</b>	<b>ON AIR</b>	When the device imported RTMP streaming address, press it to live stream.(the two ON AIR buttons on the panel correspond to 1,2 ON AIR in the menu)
<b>AUDIO INPUT CONTROL</b>	<b>MUTE</b>	Mute ON/OFF
	<b>RESET</b>	Restore system default audio settings
	▲	Increasing the audio level (will not active when at the highest level)
	▼	Decreasing the audio level(will not active when at the lowest level)
	<b>AFV</b>	Audio follow video switching
<b>EFFECT</b>	<b>MIX</b>	Mix transition
	<b>DIP</b>	Dip transition
	<b>WIPE</b>	Wipe transition
<b>PTZ +ZOOM</b>	<b>PTZ</b>	Press it to enter PTZ control
	<b>CAMERA</b>	Press it to enter camera control
	<b>T--ZOOM--W</b>	PTZ zoom in/out
		<b>5-Direction Joystick</b> 1. left-right-up- down 4 directions adjust the zoom and rotate direction of PTZ 2. left-right-up- down 4 directions adjust the zoom and viewfinder selection of camera

		3. Press middle to confirm auto focus
	1~5	PGM output signals
	1~5	1~5 PVW preview signals
	<b>LOGO PGM</b>	Logo overlay
	<b>S/SRC PVW</b>	When in the PVW , one key access to the View function
	<b>AUTO</b>	Auto transition
	<b>CUT</b>	Press it to switch the signal from PVW to PGM directly
	<b>FTB</b>	Fade to Black
	<b>T-BAR</b>	Manual switch signal and transition, push to top end or bottom end to switch signal to PGM. T-Bar is not at end position input switch will fail
<b>MENU OPERATION</b>	<b>MENU</b>	Main menu
	<b>BACK</b>	Menu return
		<b>5-Direction Joystick</b> left-right-up- down 4 directions menu selection Press middle to confirm auto focus

## 1.2 Interface Panel Instruction



Interface	Instruction
	Power ON/OFF
<b>DC 12V/3A</b>	DC power input, you can use the standard 12V/3A power adapter

<b>TYPE-C</b>	USB-C power input,, connect to PD power adapter
<b>MIC1 LINE IN</b>	Connect to microphone, smartphone, computer or audio console
<b>MIC2 LINE IN</b>	Connect to microphone, smartphone, computer or audio console
<b>LINE OUT</b>	Audio out, connect to speaker/headphone
<b>3G-SDI 1~3G-SDI 4</b>	3G-SDI signal inputs
<b>HDMI 1~HDMI 2</b>	4K HDMI signal inputs
<b>HDMI 3~HDMI 4</b>	2K HDMI signal inputs
<b>HDMI A~HDMI B</b>	HDMI signal outputs HDMI A is for multi-view operation interface HDMI B is for PGM output
<b>UVC OUT</b>	USB-C streaming port
<b>USB 2.0</b>	1. Recording 2. Connect the expanding device such as PTZ 3. Media file
<b>LAN</b>	Communication Port

## ***Chapter 2 Install Your Product***

### **2.1 Plug in Power**

2.1.1. L3 PRO is packaged with a 12V/3A power adapter, can be connect to the DC 12V/3A power jack of L3 PRO. Please check the power supply standard used in your country/region.

2.1.2. L3 PRO also provides a Type-C power input, you can use a USB (PD)3.0 12V/2.5A power adapter to supply.

## Product Parameters

Connections	Input	HDMI In	2× 4K HDMI 2x 2K HDMI
		3G-SDI In	4x 3G-SDI
	Out	HDMI Out	2xHDMI
		UVC Out	1×USB-C
	Audio	MIC/Line IN	2x 3.5mm mini-Jack
		Line OUT	2x 3.5mm mini-Jack
	Communication	LAN	1×RJ45
	Power	DC	1×DC Jack
		TYPE-C	1 x USB-C Port
	Other Interface	USB 2.0	1.Recording 2. connect the expanding device such as PTZ 3.Media file
Performance	Input Resolutions	HDMI 1280×720@50/59.94/60   1024×768@60   1280×768@60   1280×800@60   1280×1024@60   1360×768@60   1366×768@60   1440×900@60   1600×1200@60   1680×1050@60   1920×1200@60   1920×1080i@50/59.94/60   1920×1080p@23.98/24/25/29.97/30/50/59.94/60   3840×2160p@30/50/60   4096x2160@30/50/60	
		SDI 720p@50/60 1080i@50/59.94/60 1080p@23.98/24/25/29.97/30/50/59.94/60	
	Output Resolutions	HDMI 1280×720@50/60 1920×1080@24/25/30/50/60	
		USB 1080p/60	
	Supported Standards	HDMI2.0/ 1.3	
		USB 3.0	
		ITU-T H. 265/ ISO/IEC 23008-2	
Power	Input Voltage	DC 12V/3A	
		USB (PD) 3.0 12V/2.5A	
	Max Power	30W	
Environment	Temperature	0℃～45℃	



	Humidity	10%~85%
Physical	Weight	About 1kg
	Dimension	261x144x70.69mm