

SL73

SL88

SL88 GT

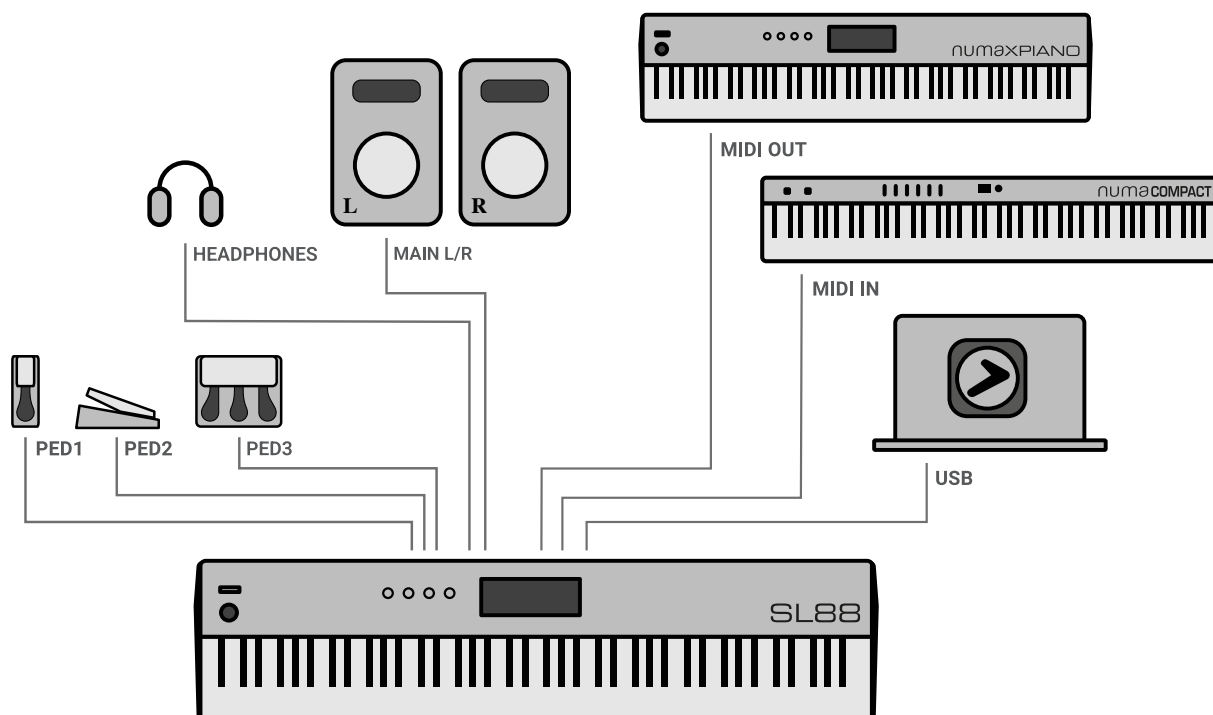
User manual

Introduction

Thank you for choosing SL MK2, a new chapter in keyboard controllers. Housed in a stylish and robust cabinet, it is based on a completely new technology and innovative UX Logic user interface derived from Numa X Piano.

The keyboard features Aftertouch control and, together with the programmable Sticks and transport controls, provides total control over the musical performance.

Seamless integration with Numa Player, a built-in pro audio interface and high-definition MIDI 2.0 protocol make this controller unique.



The example above shows how SL MK2 can be used in a typical studio setup.

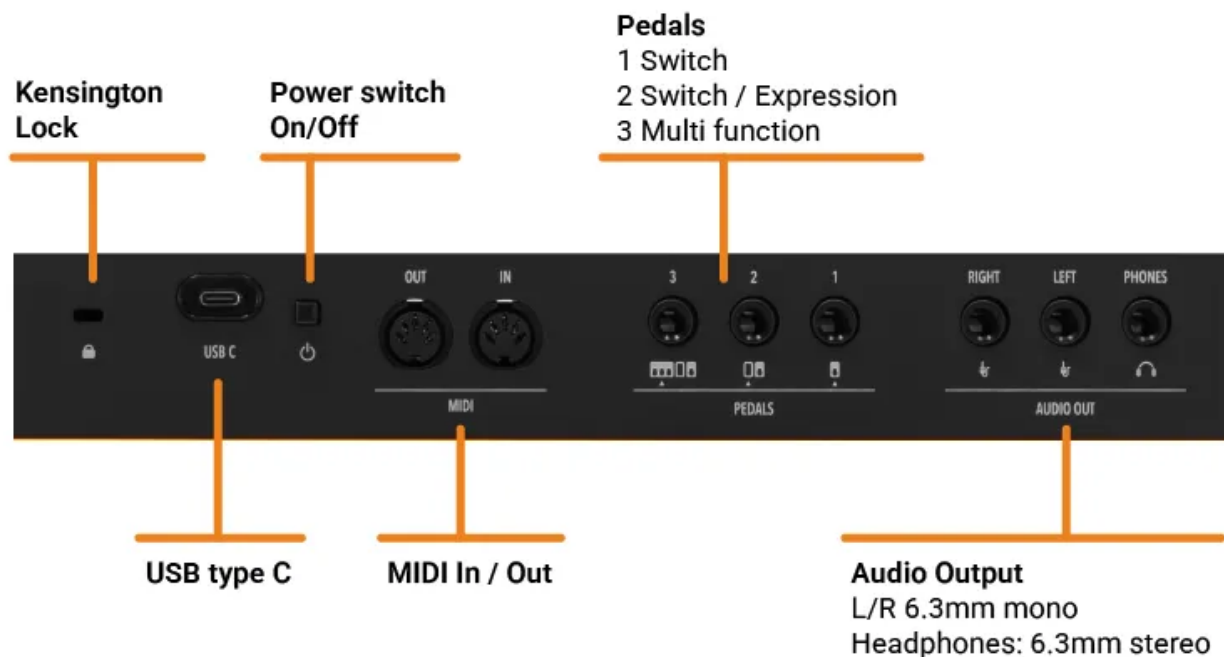
The connections:

- **USB-C port** connected to a computer running a DAW or a standalone software.
- **MIDI In/Out** connected to external devices.
- **L/R** audio outputs connected to active stereo speakers.
- **Phones output** connected to headphones.
- **Pedals 1, 2, 3** connected to switch, switch or expression, and multi-function pedals.

In this setup, the USB connection allows MIDI recording to the computer and audio playback of the virtual instrument to the speakers.

Power and connection

1. Connect the USB-C port to a power source using the supplied power adapter.
2. Switch on the SL using the power button next to the power plug.



USB Power

The instrument can also be powered by a connected device, using the supplied cable or a shielded quality certified USB cable.

[Read more about USB connection](#)

Make sure the computer or the mobile device can provide enough power. When possible, avoid using USB hub and adapters.

USB data

The instrument implements 4 different MIDI ports and 1 *Audio over USB* port:

1. **SL CTRL** (Mac) **SL** (Win) for standard MIDI in/out controls.
2. **SL MIDI 2.0** (Mac only) that enables the new MIDI protocol.

CTRL and *MIDI 2.0* ports work in parallel. Select only one of them

to avoid doubled notes in your MIDI tracks. You can also disable the MIDI 2.0 Port in [Global settings](#).

3. **SL DAW** (Mac) **MIDIIN2-MIDIOUT2** (Win) for DAW transport buttons (see [DAW mode](#)).

Disable this port in standard MIDI inputs in your tracks to avoid listening to MIDI notes when SL is configured as Control Surface and you press transport buttons (Mackie protocol adopts some MIDI note messages for transport controls).

4. **SL LINK** (Mac) **MIDIIN3-MIDIOUT3** (Win) to enable advanced features with Numa Player and other compatible Apps (see [App Mode](#)).
5. **SL AUDIO** (Mac & Win) to work as Digital Audio Interface with 48 kHz/16 bit output.

Disable this feature to avoid conflicts with other Audio software when you use an external Digital Audio Interface working with different Sampling rate and resolution.

Pedals

Connect the pedals to the corresponding sockets, labelled as *PED1*, *PED2* and *PED3*:

- **PED1**: You can connect a switch pedal.
- **PED2**: You can connect either a single switch pedal or a volume/expression pedal.
- **PED3**: You can connect a switch, volume/expression or a [Studiologic SLP3-D](#), as explained in the related chapter.

[Read more about pedal compatibility.](#)

Audio Output

If you wish to use external amplification systems, or record the instrument sounds, connect the Left and Right audio outputs to the inputs of your mixer or amplifier, or to the inputs of your computer audio board, using suitable cables.

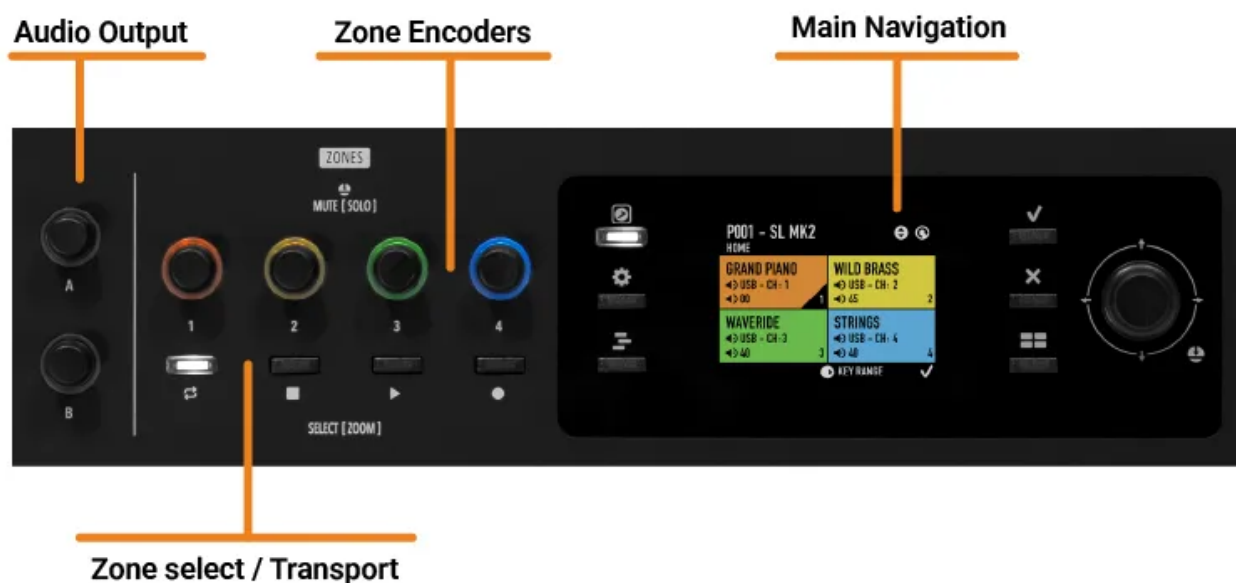
Please note that SL is a controller keyboard, so it doesn't have any internal sounds.

However, thanks to the Audio over USB feature, you can route audio data from your computer or other compatible digital device to analog audio output.

Headphones

The Headphones output can be used with an headphones set or as an additional stereo audio output.

Panel - display and navigation

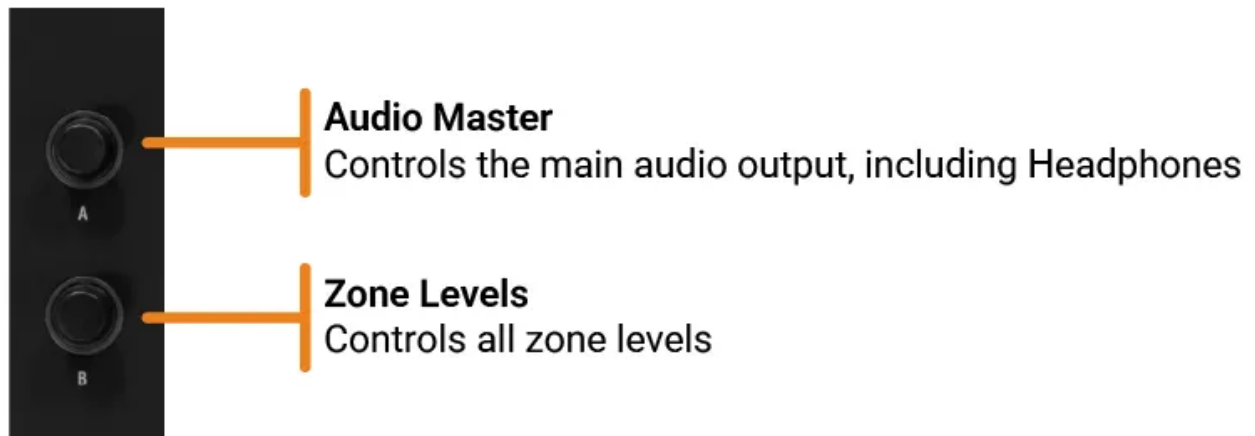


A Knob

Rotate the A knob to adjust or quickly disable the analog audio output of your SL.

B Knob

The B knob is similar to a *Master MIDI Volume*. If you are using more than one Zone, you use this knob to control the volume of all active Zones.



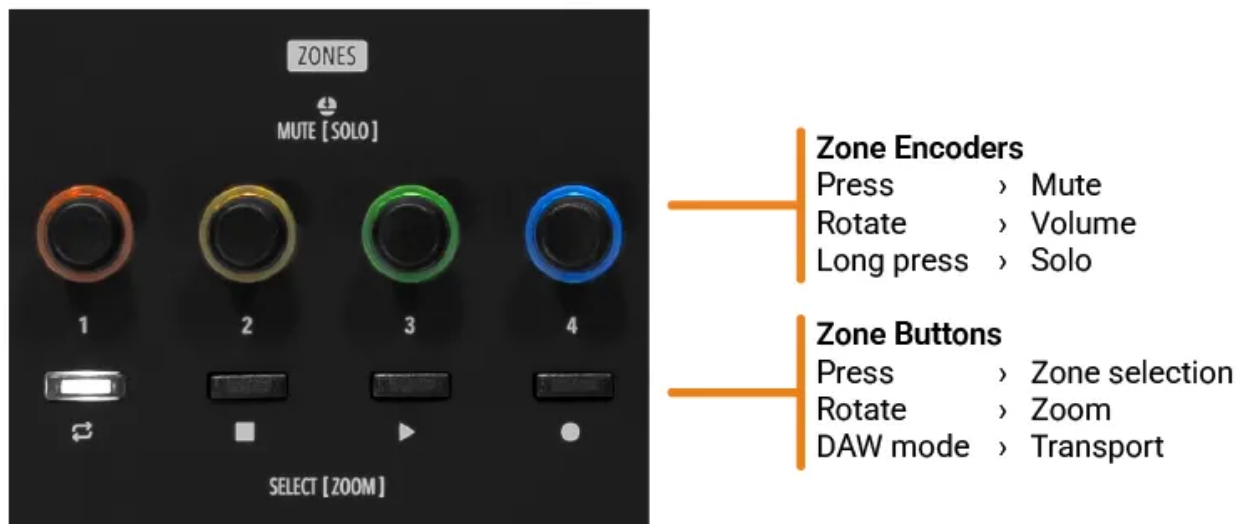
Zone controls

Encoders

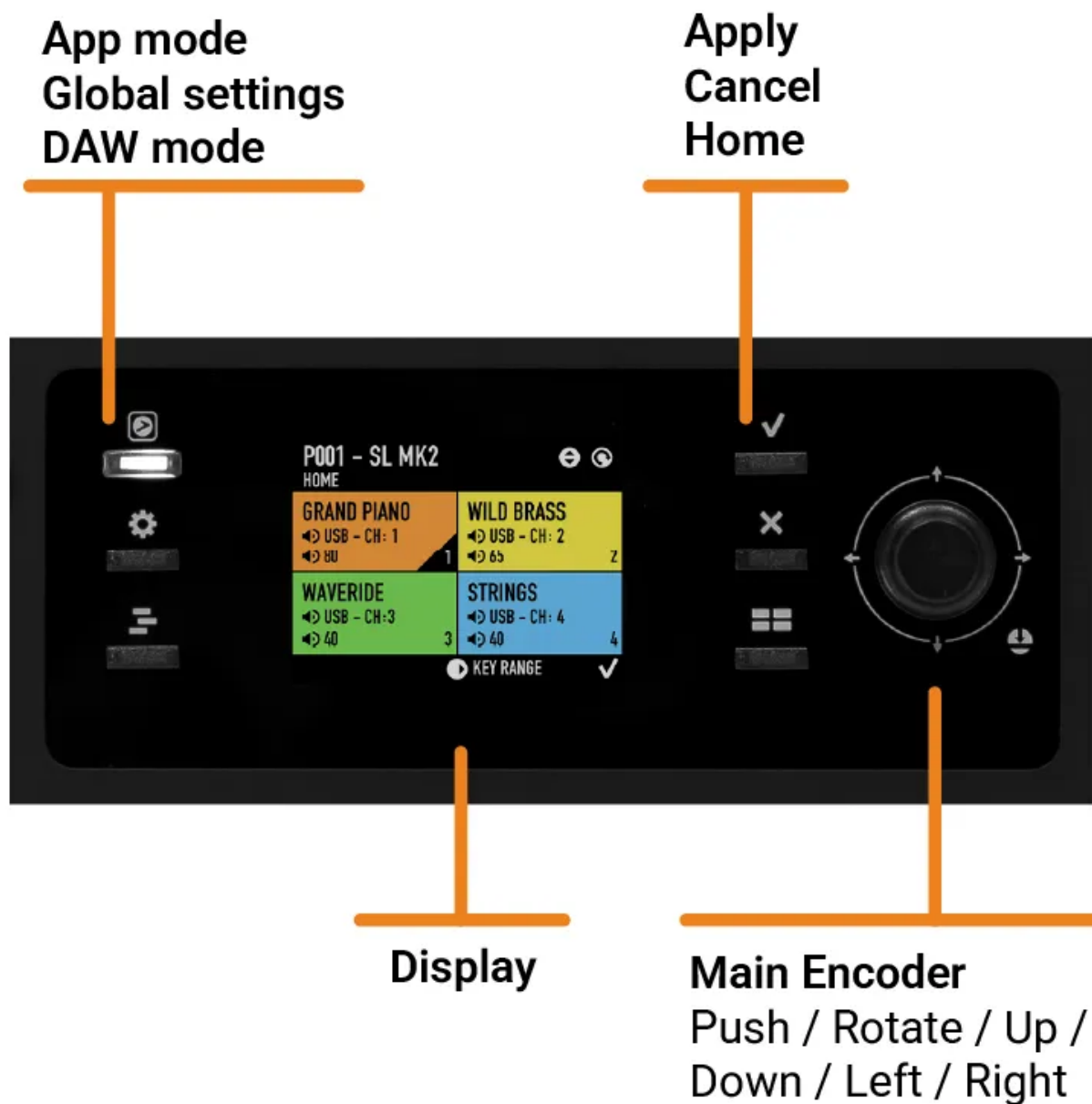
- Rotate the zone knobs to adjust the volume of the corresponding zone.
- Press a knob to mute the corresponding zone.

Buttons

- Press the buttons to select the corresponding zone.
- Long press the button to enter in Zoom mode and adjust the associated parameters.
- In DAW mode, you can control your DAW: *Select Buttons* become *Transport Buttons*.



System navigation



Programs

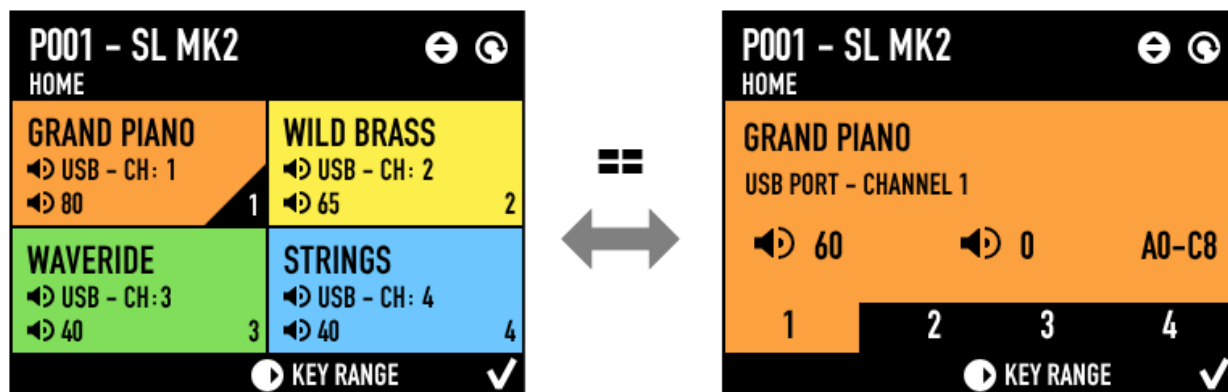
SL MK2 is organized in Programs. A Program is based on 4 Zones. Each Program stores all Zone parameters and settings.

A Zone can have 3 different status:

- ON (colored)
- OFF (black)

- MUTE (gray)

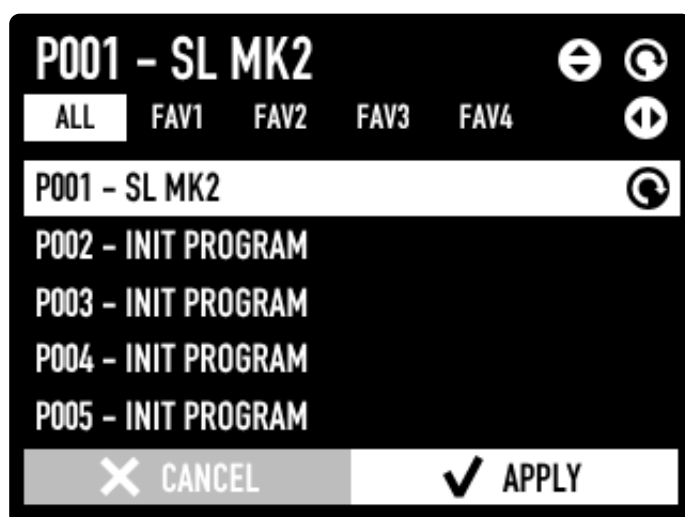
The Home screen displays the current Port, Channel and Volume of each Zone. Press the **Home** button to change the current view to **Zoom mode**. The Zoom mode shows a more detailed view of the current Zone.



Program selection

There are two ways to select Programs with the Main Encoder:

- **Rotate** to change in sequence.
- Press **up/down** to show the list and jump to the desired Program.



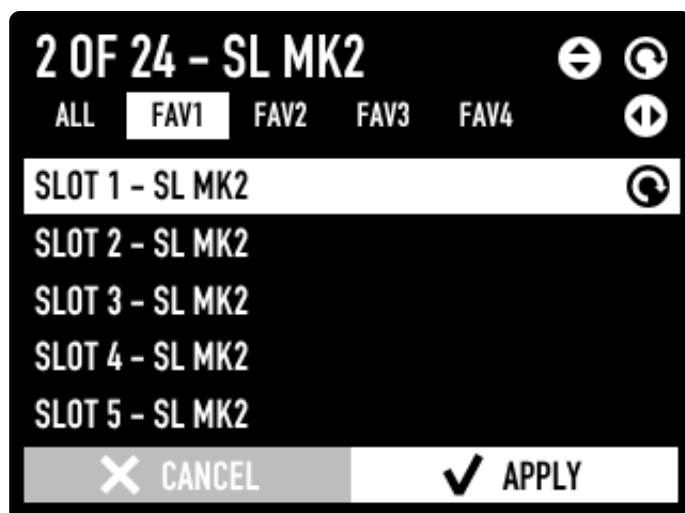
In the same way, you can select the Programs assigned to a Favorite (see next paragraph).

Favorites

A Favorite is a collection of Programs in a desired order, like a set list.

The purpose of Favorites is to provide a quick way to get the right sound during a live performance.

You can store up to 24 Programs in each of the 8 Favorites.



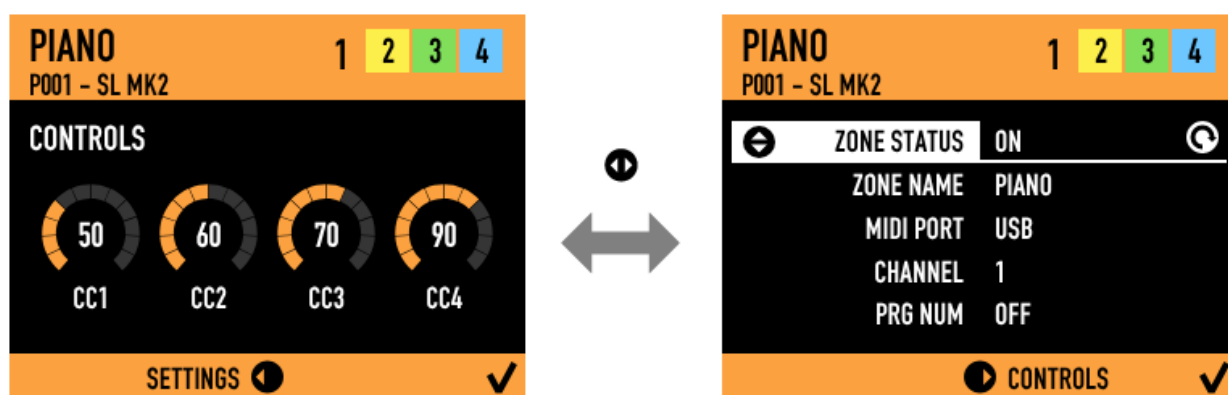
Save the changes

1. Press **Apply** to display the save menu.
2. Choose the *DESTINATION* location (P001–P100) and optionally assign a custom *NAME*.
3. Press **Apply** again to confirm.



Zone edit

1. Long Press on a **Zone button** to edit that zone.
2. Press the Main Encoder **left** or **right** to toggle between:
 - **CONTROLS** page, which displays the controls currently assigned to the four encoders.
 - **SETTINGS** page, where you can edit all of the zone parameters.



Move the Main Encoder **up and down** to select the parameter and **rotate** to change the value.

Zone parameters	Possible values
<i>ZONE STATUS</i>	Off , On , Mute
<i>ZONE NAME</i>	Type the value
<i>MIDI PORT</i>	USB , DIN
<i>CHANNEL</i>	1-16
<i>BANK MSB</i>	OFF , 0-127
<i>BANK LSB</i>	OFF , 0-127
<i>PROGRAM CHANGE</i>	OFF , 1-128
<i>VOLUME</i>	OFF , 0-127
<i>OCTAVE SHIFT</i>	±4
<i>TRANPOSE</i>	Global , ±12 semitones
<i>VELOCITY CURVE</i>	Global , Normal , Hard , Soft , Fixed
<i>FIXED VELOCITY</i>	0-127
<i>AFTERTOUCH</i>	Global , Off , On
<i>PEDAL 1 FUNCTION</i>	Global , OFF , CC1-119
<i>PEDAL 2 FUNCTION</i>	Global , OFF , CC1-119
<i>PEDAL 2 MIN/MAX</i>	Global , 0-127
<i>PEDAL 3 FUNCTION</i>	Global , OFF , CC1-119
<i>PEDAL 3 MIN/MAX</i>	Global , 0-127
<i>STICK 1 FUNCTION</i>	Global , Off , On
<i>STICK 2 FUNCTION</i>	Global , OFF , CC1-119
<i>KNOB 1 CONTROL</i>	OFF , CC1-119
<i>KNOB 2 CONTROL</i>	OFF , CC1-119
<i>KNOB 3 CONTROL</i>	OFF , CC1-119
<i>KNOB 4 CONTROL</i>	OFF , CC1-119
<i>INITIALIZE</i>	

DAW Mode

SL MK2 lets you control your DAW directly from the panel.

Press the **DAW button** to change the behavior of the *Zone Select Buttons* to *Transport Buttons*:

- *Loop (Cycle)*
- *Stop*
- *Play*
- *Record*

It works with the major DAWs and with all Mackie Protocol compliant apps.

Some DAWs require the [installation of an additional component](#).

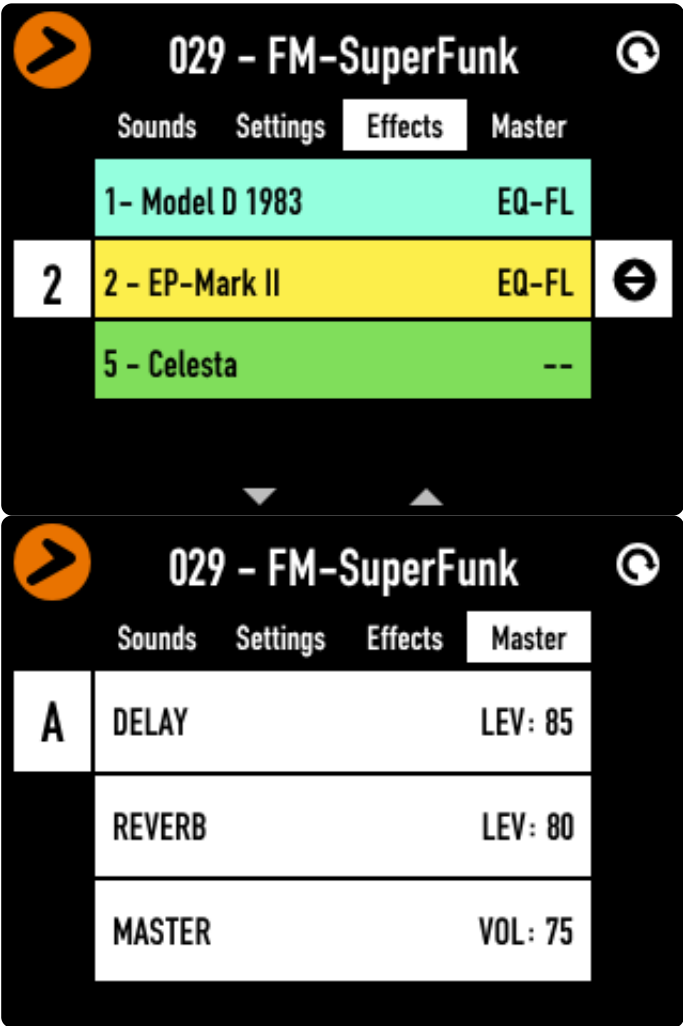
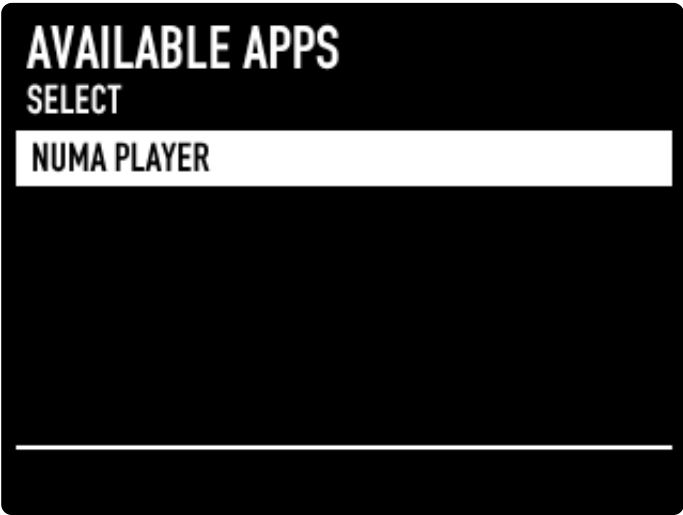
App Mode

Press the **App Mode button** to control third-party apps directly from the SL.

Studiologic has developed a completely new protocol called *SL LINK* to manage all the functions of connected compatible apps. The first public compatible app is [Studiologic Numa Player](#).

Available operations with Numa Player:

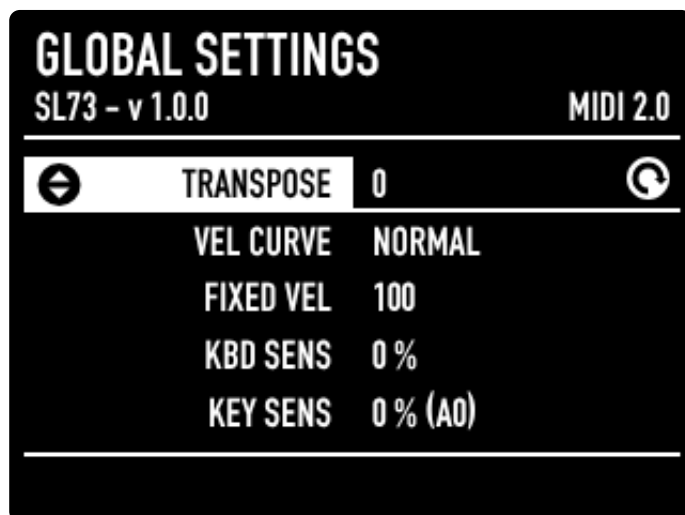
- Open a specific program with the Main Encoder.
- Select a specific part with the zone buttons.
- Mute and unmute a part.
- Navigate through the app sections (*parameters, settings, effects, master*) by long pressing the zone buttons.



Global settings

Press the **Global Setting button** to enter or exit from the Global Settings page.

Global settings are automatically saved and are not linked to Programs.



Firmware version

The page subtitle indicates the installed firmware version.

[Firmware release notes and update procedure](#)

MIDI version

The right side of the screen shows the current MIDI version. SL MK2 automatically sets the MIDI protocol version based on the compatibility with the connected device.

MIDI 2.0 is the latest evolution of the Musical Instrument Digital Interface (MIDI) protocol, designed to provide more expressive and flexible communication between digital musical instruments, software, and other devices. Building on the foundational MIDI 1.0 standard that has been in use since 1984, MIDI 2.0 introduces a number of improvements, including higher velocity resolution, increased control capacity, and better integration with modern technology. It allows for more nuanced performances and supports

new features such as MIDI Capability Inquiry (MIDI-CI), Property Exchange and Universal MIDI Packet (UMP). Backward compatibility with MIDI 1.0 devices is guaranteed, making it a significant step forward in music production and performance.

Setting list

Use the Main Encoder **up/down** to scroll through the parameters and **rotate** to change the value.

Global parameter	Description	Possible values
<i>TRANPOSE</i>	Transpose the instrument to any other key.	±12 semitones
<i>VELOCITY CURVE</i>	You can select different velocity curves, according to your taste and playing technique.	SOFT , NORMAL , HARD , FIXED
<i>VELOCITY FIXED</i>	Set the value when <i>VELOCITY CURVE</i> is set to FIXED .	1-127
<i>KBD SENSITIVITY</i>	You can adjust the sensitivity, relatively to the current curve.	-25% (heavier) / +25% (lighter)
<i>KEY SENSITIVITY</i>	Press a key on the keyboard and adjust the sensitivity.	-30% (heavier) / +30% (lighter)
<i>KBD B/W BALANCE</i>	Change the balance between black and white keys of the built-in keyboard.	±15%
<i>AFTERTOUCH</i>	Enable or disable the Aftertouch on the built-in keyboard.	OFF, ON
<i>AFTERTOUCH SENSITIVITY</i>	Adjust the Aftertouch sensitivity on the built-in keyboard.	-32% (heavier) / +32% (lighter)
	Set the pedal type for <i>PED 1</i>	

<i>PEDAL 1 TYPE</i>	connection.	SWITCH A , SWITCH B
<i>PEDAL 1 FUNC</i>	Assign a function to Pedal 1.	OFF , CC1-119
<i>PEDAL 2 TYPE</i>	Set the pedal type for <i>PED 2</i> connection.	SWITCH A , SWITCH B , CONTINUOUS A , CONTINUOUS B
<i>PEDAL 2 FUNC</i>	Assign a function to Pedal 2.	OFF , CC1-119
<i>PEDAL 2 MIN/MAX</i>	Set a range to Pedal 2.	0-127
<i>PEDAL 3 TYPE</i>	Set the pedal type for <i>PED 3</i> connection.	SWITCH A , SWITCH B , CONTINUOUS A , CONTINUOUS B , SLP3-D
<i>PEDAL 3 FUNC</i>	Assign a function to Pedal 3. Available values change according to <i>PEDAL 3 TYPE</i> .	OFF , PIANO PEDALS , P+ P- HOLD , OFF , CC1-119,
<i>PEDAL 3 MIN/MAX</i>	Set a range to Pedal 3.	0-127
<i>STICK 1</i>		ON , OFF
<i>STICK 2 FUNC</i>	Assigning a MIDI control to the Stick 2.	OFF , CC1-119
<i>COMMON CHANNEL</i>	Set the USB MIDI to Single Channel mode. Using the Common Channel you can send/receive MIDI parameters (notes, controllers, etc...) in your DAW.	OFF , 1-16
<i>UI LAYOUT</i>	Set the <i>HOME</i> view (see related paragraph)	CLASSIC , ZOOM
<i>MERGE IN</i>	Merge MIDI messages coming from MIDI IN Port (DIN) to a MIDI output.	OFF , USB , MIDI OUT (DIN) , USB + MIDI OUT (DIN)
<i>USB MIDI MODE</i>	Set MIDI 2.0 LOW RES to disable high-resolution MIDI or MIDI 1.0 to disable MIDI 2.0 port entirely. This can be useful if you connect devices that are not	MIDI 2.0 , MIDI 2.0 LOW RES , MIDI 1.0

	compatible with MIDI 2.0 messages or to avoid double MIDI messages.	
<i>USB AUDIO</i>	Set OFF to disable USB audio feature.	OFF , ON
<i>LCD DIMMER</i>	Adjust the display brightness.	0-100% in steps of 5
<i>FACTORY RESTORE</i>	Restore all factory settings. Push the Main Encoder and the press Apply to confirm.	

Precautions

Always follow the basic precautions listed below to avoid the possibility of serious injury or even death from electrical shock, short-circuiting, damages, fire, or other hazards.

Power supply

Do not place the product near heat sources such as heaters or radiators. Use only the correct voltage specified for the product and the supplied power cord/plug.

Do not disassemble

This product contains no user-serviceable parts. Do not attempt to disassemble the internal parts or modify them in any way.

Humidity

Do not expose the unit to rain or moisture. Never place containers with liquid on the unit. Do not use the unit near water, a swimming pool, a bathtub, or a wet basement. If the unit is moved from a cold place to a warm room, condensation may occur inside. To avoid damage, please allow the unit to reach room temperature before switching it on. Never insert or remove a power plug with

wet hands.

Installation

Always use a stable rack to place the product on. Please be aware of its size and weight.

Do not place the product in an unstable position or a location with excessive vibration.

Do not place other objects on top of the product.

Handling

Using near devices that emit radio signals may generate noise.

Do not expose the product to excessive dust, vibrations, or extreme cold or heat, such as direct sunlight, near a heater, or in a car during the day.

Cleaning / Maintenance

Never use any abrasive detergent, which may damage the surface. We recommend a slightly moist microfiber cloth.

Packaging

Please keep all packaging, and use it to protect the product when transporting or if servicing is required.

Declarations

Warranty

Every product from Studiologic by Fatar has been carefully manufactured, calibrated and tested, and carries a warranty. Damage caused by incorrect transport, mounting or handling is not covered by this warranty. Compensation amounting to more than the price of the device is excluded. For any further informations please refer exclusively to your dealer and/or local distributor. This is based on general terms and condition of the local distributor / FATAR srl, Italy.

CE-Conformity

FATAR srl

Zona Ind.le Squartabue

62019 Recanati MC Italy

declares that this product complies with the European Directives:

2004/108//EC: EMC Directive

DIN EN 55013: EMC radio disturbance of sound, TV and associated equipment

DIN EN 55020: EMC immunity of sound, TV and associated equipment

Recanati, 11. 04. 2025 Marco Ragni, Chief Executive Officer

This declaration becomes invalid if the device is modified without approval.

RoHS-Conformity

This product is manufactured according to the 2002/95/EC directive.

Disposal / WEEE

The purpose of this EC Directive 2003/108/EC is, as a first priority, the prevention of waste electrical and electronic equipment (WEEE), and in addition, the reuse, recycling and other forms of recovery of such wastes so as to reduce the disposal of waste. Please help to keep our environment clean.

State of the art

To ensure maximum quality all Studiologic by Fatar devices are always engineered to be state-of-the-art products, therefore updates, modifications and improvements are made without prior notice. Technical specification and product appearance may vary from this manual.

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