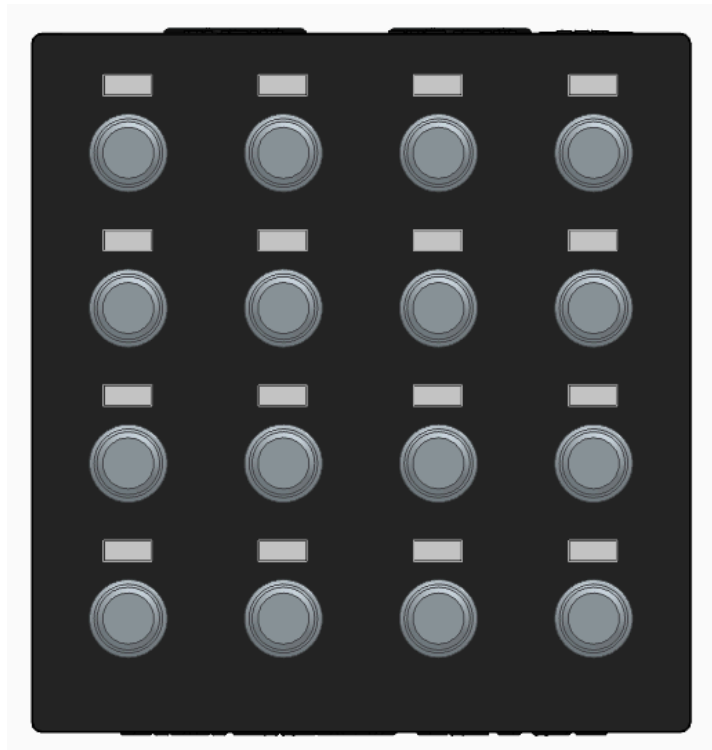


User Manual

LC16E MIDI CONTROLLER



LIVIDEXX

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Thank you for choosing Lividexx!

This manual covers the features and operation of Lividexx's LC16E midi controller.

Introduction

Dear Musician,

Thank you for choosing Lividexx! The fact that you're reading this manual means you've done your research and have joined our community of creative artists. We're thrilled that you recognized the power, flexibility, and sheer fun of the Lividexx device you now own. We are certain you are about to begin a journey that will lead to the production of some amazing music.

This manual will help you make the most of your Lividexx hardware. You'll discover the full potential of your device as you explore its features and capabilities, including many innovative functions that will inspire your creativity and enhance your musical expression.

Be sure to visit www.lividexx.com for information about all of our great hardware instruments. Our products have proven time and again to be the go-to solutions for musicians around the world.

We can't wait to hear the incredible music you'll create with your new Lividexx device.

Musically yours, The Lividexx team

LIVIDEXX	1
Thank you for choosing Lividexx!	3
Safety warnings and guidelines	6
Features	7
5 pin DIN MIDI.....	7
Package contents	8
Product overview	9
Top panel.....	9
Back panel.....	9
Power Supply	10
How to connect to a DJ setup	10
How to connect for learning parameters over 5 pin MIDI	10
Fixed button combinations	11
Navigation between pages.....	11
Save all settings.....	11
Enter learning mode.....	11
Leave learning mode.....	11
Firmware Update Mode.....	11
Zoom in to sequence mode.....	11
Activate Sequence Mode.....	12
Deactivate Sequence Mode.....	12
Recording sequence mode.....	12
Deactivate all sequences.....	12
Standard mapping	13
Buttons.....	13
Using the editor:	14
Connecting the device and starting the editor:.....	14
Communication settings:.....	14
Settings:.....	15
Select page to edit:.....	15
Load presets:.....	16
Settings page layout:.....	18
Transfer settings to the device:.....	19
Download settings file to your computer:.....	20
Upload settings from your computer to the editor:.....	21
Individual knob settings:.....	22
Type / channel:.....	22
CC settings (absolute mode):.....	22
CC settings (encoder mode):.....	23
NRPN Settings:.....	23

Macro Settings:.....24

Safety warnings and guidelines

Please read this entire manual before using this device, paying extra attention to these safety warnings and guidelines. Please keep this manual in a safe place for future reference.

- This device is intended for indoor use only.
- Do not expose this device to water or moisture of any kind. Do not place drinks or other containers with moisture on or near the device. If moisture does get in or on the device, immediately unplug it from the power source and allow it to fully dry before reapplying power.
- Do not touch the device, the power cord, or any other connected cables with wet hands.
- Do not expose this device to excessive vibration.
- Do not subject the product to extreme force, shock, or fluctuations in temperature or humidity.
- Do not expose this device to excessively high temperatures. Do not place it in, on, or near a heat source, such as a fireplace, stove, radiator, etc. Do not leave it in direct sunlight.
- Clean using a soft, dry cloth only. Do not use chemical cleaners, solvents, or detergents. For stubborn deposits, moisten the cloth with warm water.
- This device has no user serviceable parts. Do not attempt to open, service, or modify this device

Features

- 16 fully assignable endless rotary encoders
- Macro functionality for encoders
- Pushbutton functionality on the rotary encoders
- Multi color feedback
- USB interface for computer control
- Powered using the USB interface
- Class compliant USB-C MIDI connection
 - MIDI IN
 - Update LED status
 - MIDI OUT
 - Sending CC messages
 - Pass through clock from midi in
 - Sending NRPN messages
 - Sending Note messages
- USB Firmware updates
 - Drag and drop functionality for updates

5 pin DIN MIDI

- 5 pin MIDI IN connection
 - Learning parameters
 - Received clock goes to midi output
 - Update LED status
- 5 pin MIDI OUT connection
 - Sending CC messages
 - Pass through clock from midi in
 - Sending NRPN messages
 - Sending Note messages

Package contents

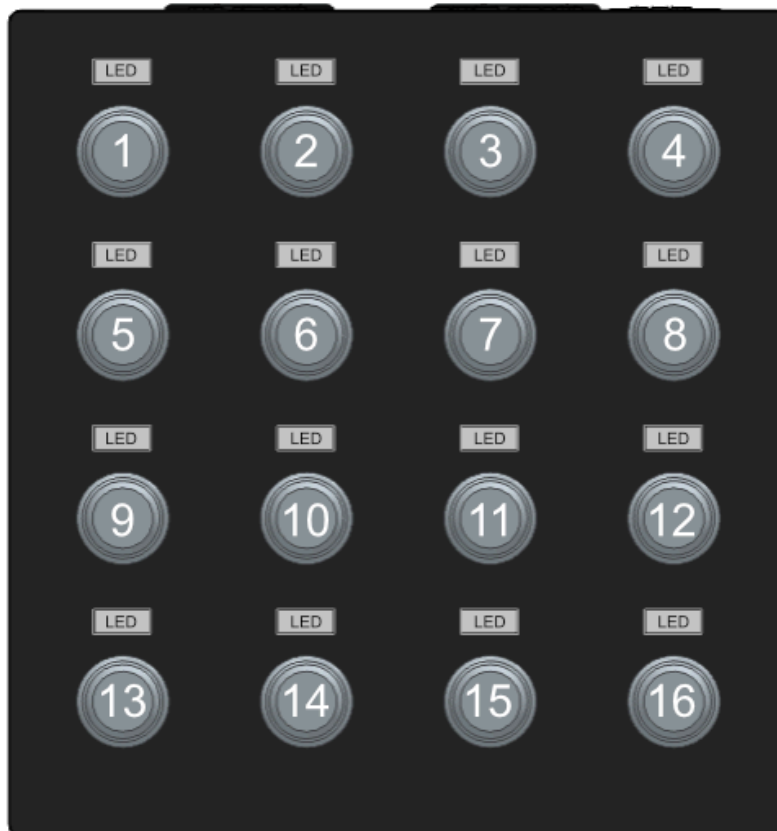
Please take inventory of the package contents to ensure you have all the items listed below. If anything is missing please contact Lividexx customer service for a replacement.

- 1 LC16E Midi Controller
- 1 USB Data Cable(USB-C to USB-A)

Product overview

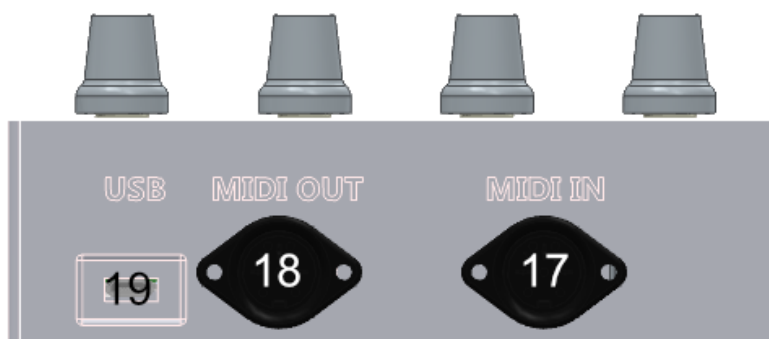
Top panel

1 - 16 Rotary encoders with pushbutton function
LED display status and/or value



Back panel

17 5 pin MIDI IN port
18 5 pin MIDI OUT port
19 USB C connection



Power Supply

The device is powered by USB, connect it to a computer or usb power source (usb adapter or usb power bank)

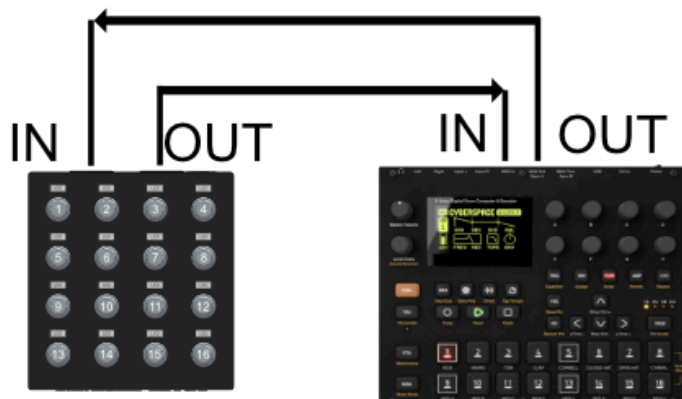
How to connect to a DJ setup

Connection to a computer can be by USB-C or by 5-pin MIDI.



How to connect for learning parameters over 5 pin MIDI

Connect the usb for power, connect MIDI IN to MIDI OUT and vice versa.



Fixed button combinations

Navigation between pages

Push and hold button 16, the led above the current page is blinking green. Push the corresponding button to go to the according page. Release the selected button and then release button 16.

Save all settings

Push and hold button 5 and then push button 8, all leds light up in blue. Release both buttons.

Enter learning mode

Push and hold button 1, then push button 4. All leds light up in white. Push the button you want to learn, the selected led is blinking white. When the command is successfully learned the led will stop blinking.

Leave learning mode

Push both button 2 and button 3, the device goes into normal operation again

Firmware Update Mode

Push and hold button 13 and push and hold button 16, all leds start blinking, after about 5 seconds the buttons stop blinking and the device loads as a USB drive on the computer.

Zoom in to sequence mode

Push and hold the button you want to zoom in to, then push button 16. (Note: the parameter on button 16 is not able to zoom in).

Release button 16 before releasing the other button. Whenever you want to check where you are located, hold button 16. The current page LED is blinking green, the current zoomed in LED is blinking white.



Activate Sequence Mode

Push and hold button 13 and 14, then push button 15. If the device receives a clock signal there will be a Red Led indicating the current step.

Deactivate Sequence Mode

Push and hold button 13 and 14, then push button 15. The red led will not be visible anymore.

Recording sequence mode

While in recording mode, Push and hold button 13 and 9, then push button 5. The red led indicating the current step will turn to white. Rotate knob 16 to record your changes in the pattern. Pushing down button 16 while rotating will make the values increase/decrease in bigger steps.

Deactivate all sequences

Push button 9, 10, 11 and 12 at the same time to stop all sequences.

Standard mapping

Buttons

cc-mode:

When pushed down the resolution changes to allow quick value changes

encoder-mode:

The buttons note messages are linked to the CC-mapping.

Cc0 => note 0 note on when pushed down, note 0 note off when released.

Using the editor:

Connecting the device and starting the editor:

First connect the device to the computer and make sure no other applications are using the midi inputs and outputs (close your DAW or DJ Software)

Visit <https://lc16e.lividexx.com> to access the editor:

Upon successful connection the following screen is visible:



Communication settings:

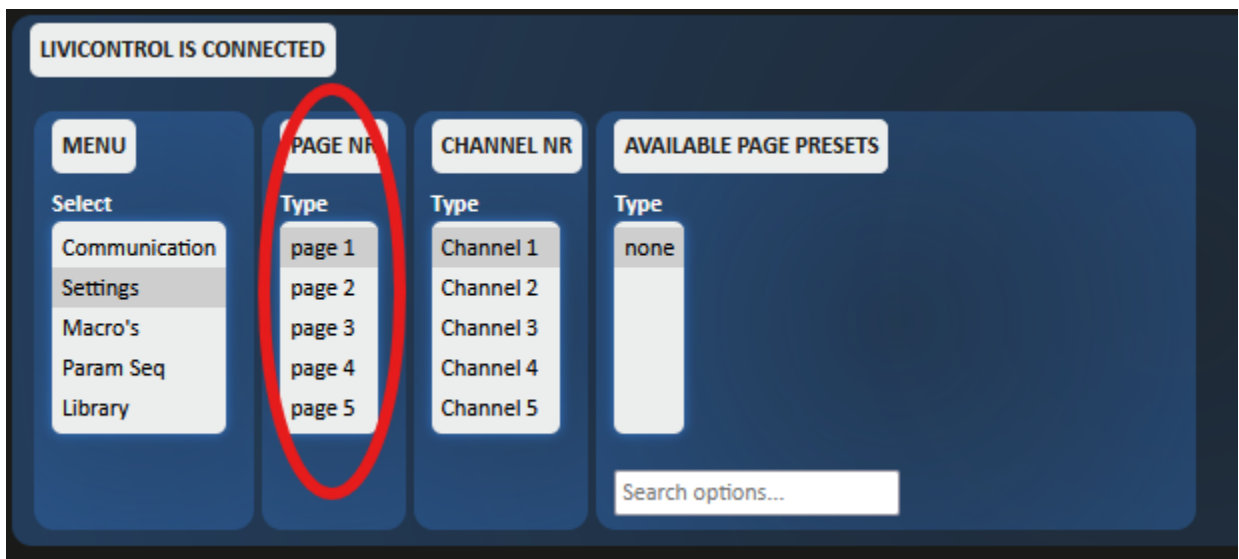


It is possible to select alternative MIDI interfaces if available to connect the livicontrol via 5 pin MIDI DIN connectors.

Settings:



Select page to edit:



Change MIDI channel for the current page:



Load presets:

This list updates automatically when selecting a page. When a preset is clicked the settings are transferred to the editor automatically.



Dynamic filter options are available here to search for presets:

LIVICONTROL IS CONNECTED

MENU

Select

- Communication
- Settings
- Macro's
- Param Seq
- Library

PAGE NR

Type

- page 1
- page 2
- page 3
- page 4
- page 5

CHANNEL NR

Type

- Channel 1
- Channel 2
- Channel 3
- Channel 4
- Channel 5

AVAILABLE PAGE PRESETS

Type

- CC 0 - 15
- CC 16 - 31
- CC 32 - 47
- CC 48 - 63
- CC 64 - 79

Search options...

Settings page layout:

LIVECONTROL IS CONNECTED

MENU

Select

- Communication
- Settings
- Macro's
- Param Seq
- Library

PAGE NR

Type

- page 1
- page 2
- page 3
- page 4
- page 5

CHANNEL NR

Type

- Channel 1
- Channel 2
- Channel 3
- Channel 4
- Channel 5

AVAILABLE PAGE PRESETS

Type

- CC 0 - 15
- CC 16 - 31
- CC 32 - 47
- CC 48 - 63
- CC 64 - 79

Search options...

PAGE 1
SEND PAGE VALUES
UPLOAD PAGE SETTINGS
DOWNLOAD PAGE SETTINGS TO PC FROM EDITOR

KNOB 1

SEND CONFIG

Type / Channel

CC 01
NRPN 02

CC number
1

Min/Max Value
0
127

Encoder

KNOB 2

SEND CONFIG

Type / Channel

CC 01
NRPN 02

CC number
2

Min/Max Value
0
127

Encoder

KNOB 3

SEND CONFIG

Type / Channel

CC 01
NRPN 02

CC number
3

Min/Max Value
0
127

Encoder

KNOB 4

SEND CONFIG

Type / Channel

CC 01
NRPN 02

CC number
4

Min/Max Value
0
127

Encoder

KNOB 5

SEND CONFIG

Type / Channel

CC 01
NRPN 02

CC number
5

Min/Max Value
0
127

Encoder

KNOB 6

SEND CONFIG

Type / Channel

CC 01
NRPN 02

CC number
6

Min/Max Value
0
127

Encoder

KNOB 7

SEND CONFIG

Type / Channel

CC 01
NRPN 02

CC number
7

Min/Max Value
0
127

Encoder

KNOB 8

SEND CONFIG

Type / Channel

CC 01
NRPN 02

CC number
8

Min/Max Value
0
127

Encoder

KNOB 9

SEND CONFIG

Type / Channel

CC 01
NRPN 02

CC number
9

Min/Max Value
0
127

Encoder

KNOB 10

SEND CONFIG

Type / Channel

CC 01
NRPN 02

CC number
10

Min/Max Value
0
127

Encoder

KNOB 11

SEND CONFIG

Type / Channel

CC 01
NRPN 02

CC number
11

Min/Max Value
0
127

Encoder

KNOB 12

SEND CONFIG

Type / Channel

CC 01
NRPN 02

CC number
12

Min/Max Value
0
127

Encoder

KNOB 13

SEND CONFIG

Type / Channel

CC 01
NRPN 02

CC number
13

Min/Max Value
0
127

Encoder

KNOB 14

SEND CONFIG

Type / Channel

CC 01
NRPN 02

CC number
14

Min/Max Value
0
127

Encoder

KNOB 15

SEND CONFIG

Type / Channel

CC 01
NRPN 02

CC number
15

Min/Max Value
0
127

Encoder

KNOB 16

SEND CONFIG

Type / Channel

CC 01
NRPN 02

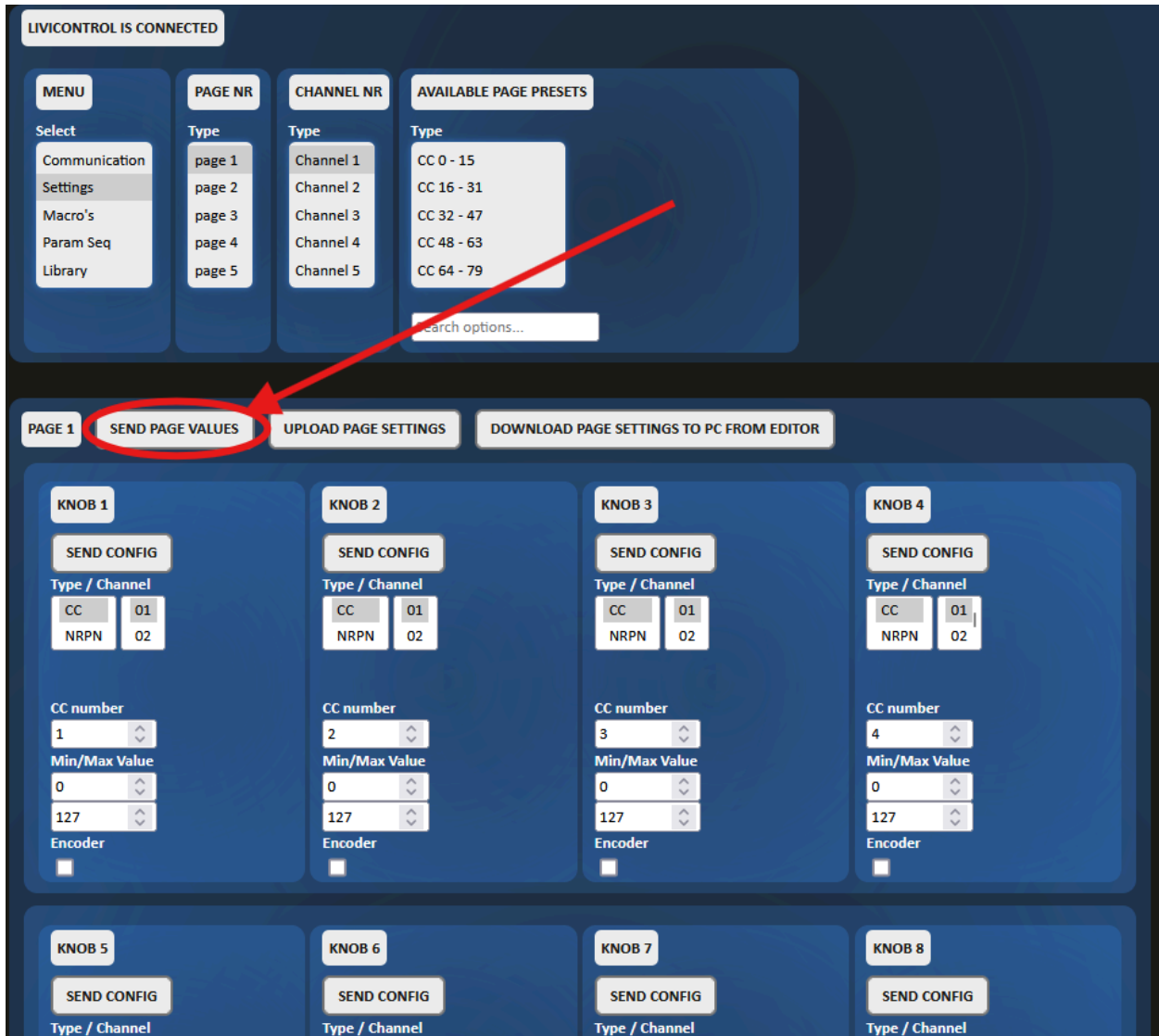
CC number
16

Min/Max Value
0
127

Encoder

Transfer settings to the device:

You can send settings to the device using this button:



Download settings file to your computer:

The screenshot displays a control panel interface with a dark blue background. At the top, a status bar reads "LIVICONTROL IS CONNECTED". Below this, there are four main menu sections: "MENU", "PAGE NR", "CHANNEL NR", and "AVAILABLE PAGE PRESETS".

- MENU:** Includes options for "Communication", "Settings", "Macro's", "Param Seq", and "Library".
- PAGE NR:** Lists "page 1" through "page 5".
- CHANNEL NR:** Lists "Channel 1" through "Channel 5".
- AVAILABLE PAGE PRESETS:** Lists "CC 0 - 15", "CC 16 - 31", "CC 32 - 47", "CC 48 - 63", and "CC 64 - 79". A search bar labeled "Search options..." is located below this list.

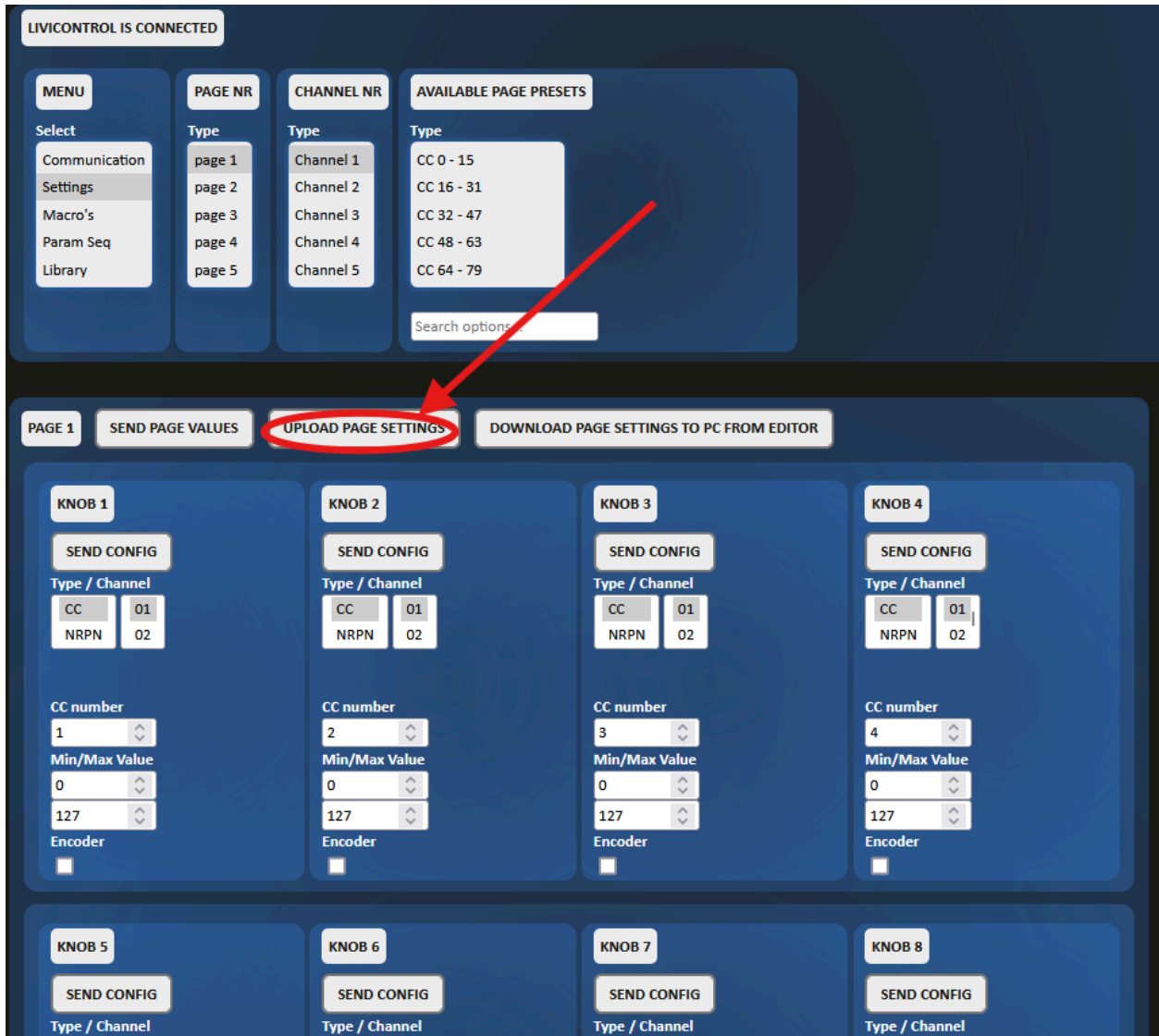
Below the menu sections, a horizontal bar contains several buttons: "PAGE 1", "SEND PAGE VALUES", "UPLOAD PAGE SETTINGS", and "DOWNLOAD PAGE SETTINGS TO PC FROM EDITOR". The "DOWNLOAD PAGE SETTINGS TO PC FROM EDITOR" button is circled in red, and a red arrow points from the "AVAILABLE PAGE PRESETS" section to it.

The main area of the interface is divided into two rows of "KNOB" configuration panels, labeled "KNOB 1" through "KNOB 8". Each knob panel includes a "SEND CONFIG" button and the following settings:

- Type / Channel:** Two dropdown menus for "CC" and "NRPN".
- CC number:** A numeric input field with a dropdown arrow.
- Min/Max Value:** Two numeric input fields with dropdown arrows.
- Encoder:** A checkbox.

For example, KNOB 1 is configured with CC 01, NRPN 02, CC number 1, Min/Max Value 0-127, and the Encoder checkbox is unchecked.

Upload settings from your computer to the editor:



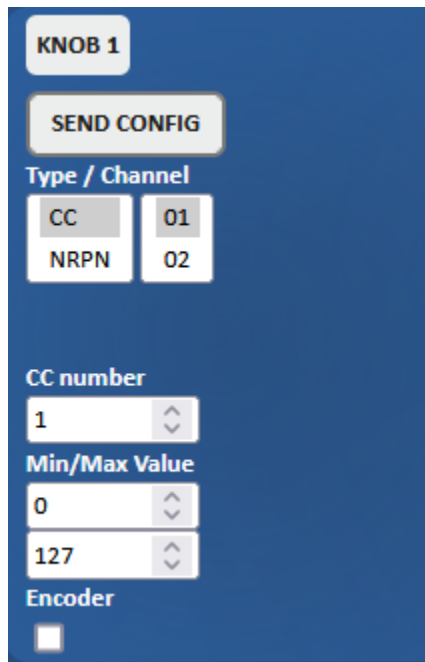
Individual knob settings:

Type / channel:

Possible options are:

- CC (absolute values or as encoder) scaling the value is possible here.
- NRPN

CC settings (absolute mode):



KNOB 1

SEND CONFIG

Type / Channel

CC	01
NRPN	02

CC number

1

Min/Max Value

0

127

Encoder

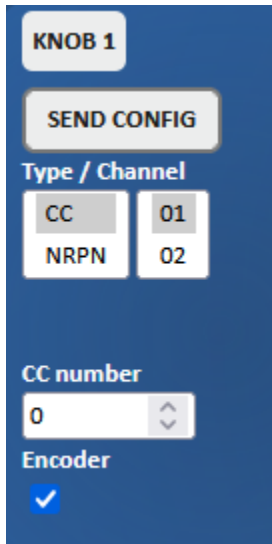
The “Send config” button sends the configuration of that button to the device.

Min/Max Value scales the limits of the value, Min value can be bigger than the max value to invert the direction (useful for crossfade in combination with macro settings)

Pushing down the knob speeds up the value changes to around one rotation for the full range.

Pushing down in CC absolute mode does not send a midi message.

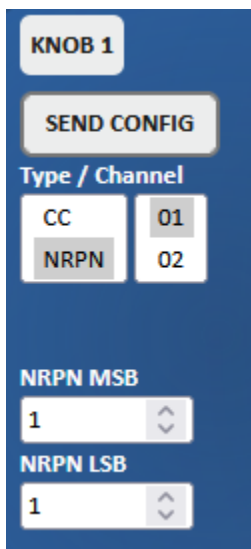
CC settings (encoder mode):



The screenshot shows a control panel for 'KNOB 1'. At the top is a 'SEND CONFIG' button. Below it is a 'Type / Channel' section with two columns of buttons: 'CC' and 'NRPN' in the first column, and '01' and '02' in the second. The 'CC' button is highlighted. Below this is a 'CC number' dropdown menu set to '0'. At the bottom, there is an 'Encoder' section with a checked checkbox.

Pushing down in CC absolute mode sends a midi note on message, releasing sends a note off message, the note value is the same as the cc number.

NRPN Settings:



The screenshot shows the same 'KNOB 1' control panel. The 'NRPN' button in the 'Type / Channel' section is highlighted. Below the 'NRPN' section are two dropdown menus: 'NRPN MSB' set to '1' and 'NRPN LSB' set to '1'.

Macro Settings:

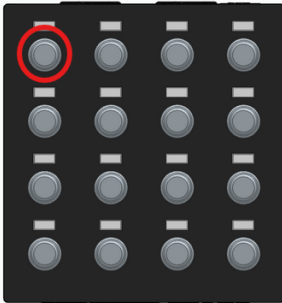
There are 32 macro settings available, these can be used to link knobs together.

Macro settings only work on CC absolute mode.

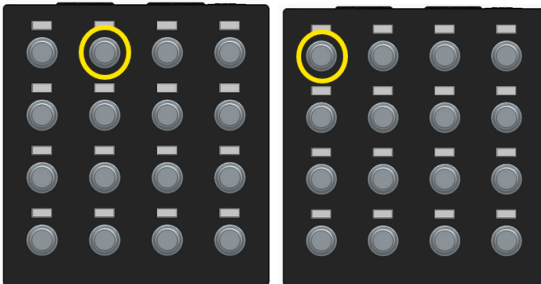
This means that if you adjust the source knob the other will follow it, even if they use different settings.



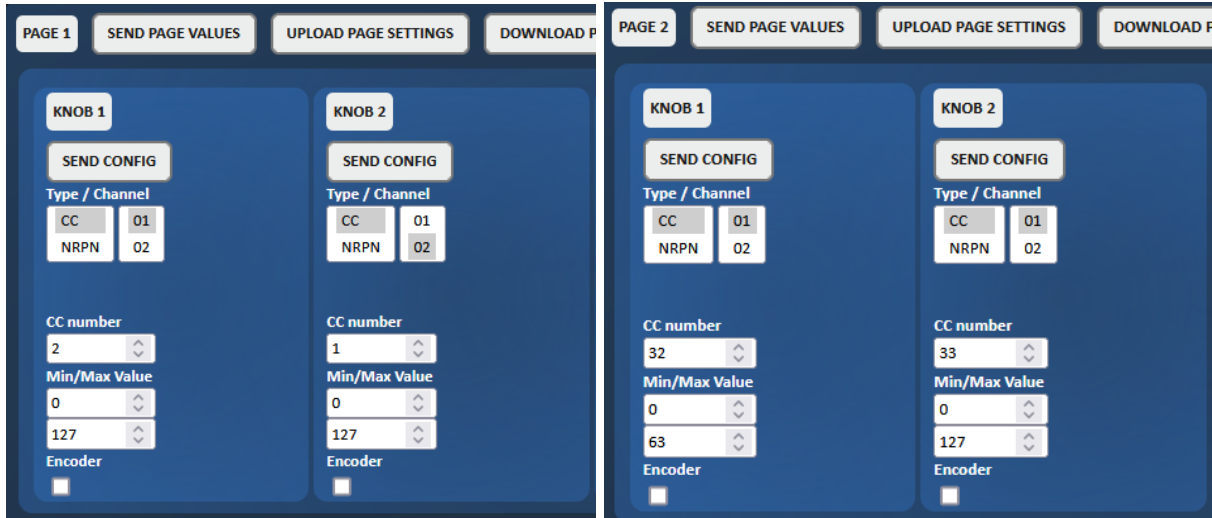
In the above example the source is set as page 1, element 1:



Destination are set as page 1, element 2 and page 2 element 1:



Every rotation of knob 1 in page 1 is copied to knob 2 in page 1 and knob 1 in page 2.



Scaling for knob 1 on page 2 has also been entered in the settings.

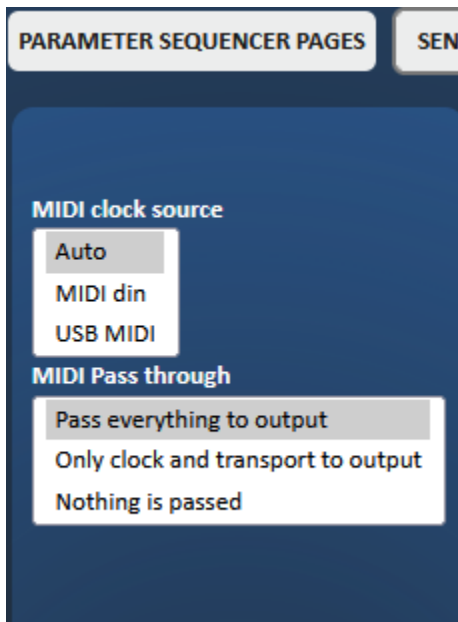
If you turn knob 1 on page 1 completely to the right following messages are sent out:

- CC2 channel 1 value 127
- CC1 channel 2 value 127
- CC32 channel 1 value 63

Turn knob1 on page 1 to value 100 the following is sent out:

- CC2 channel 1 value 100
- CC1 channel 2 value 100
- CC32 channel 1 value 50

Parameter sequencing:



Select the clock source:

Auto chooses the interface where it first sees a midi clock

MIDI pass through:

- Pass everything to output: all data received on the input port is sent to the output port.
- Only clock and transport to output: only clock and transport from the midi input port is forwarded to the output port.
- Nothing is passed: No data incoming is passed to the output port.