

HXR Jam for Ableton Live 11

Maschine JAM MIDI Remote script

29.4.2021 - Haxor www.haxorroxor.com

**Please Note that this script is not provided
by Native Instruments and users use it
with their own risk.**

...but it still works. :)

Installation

Installation 1/4

Overview of files

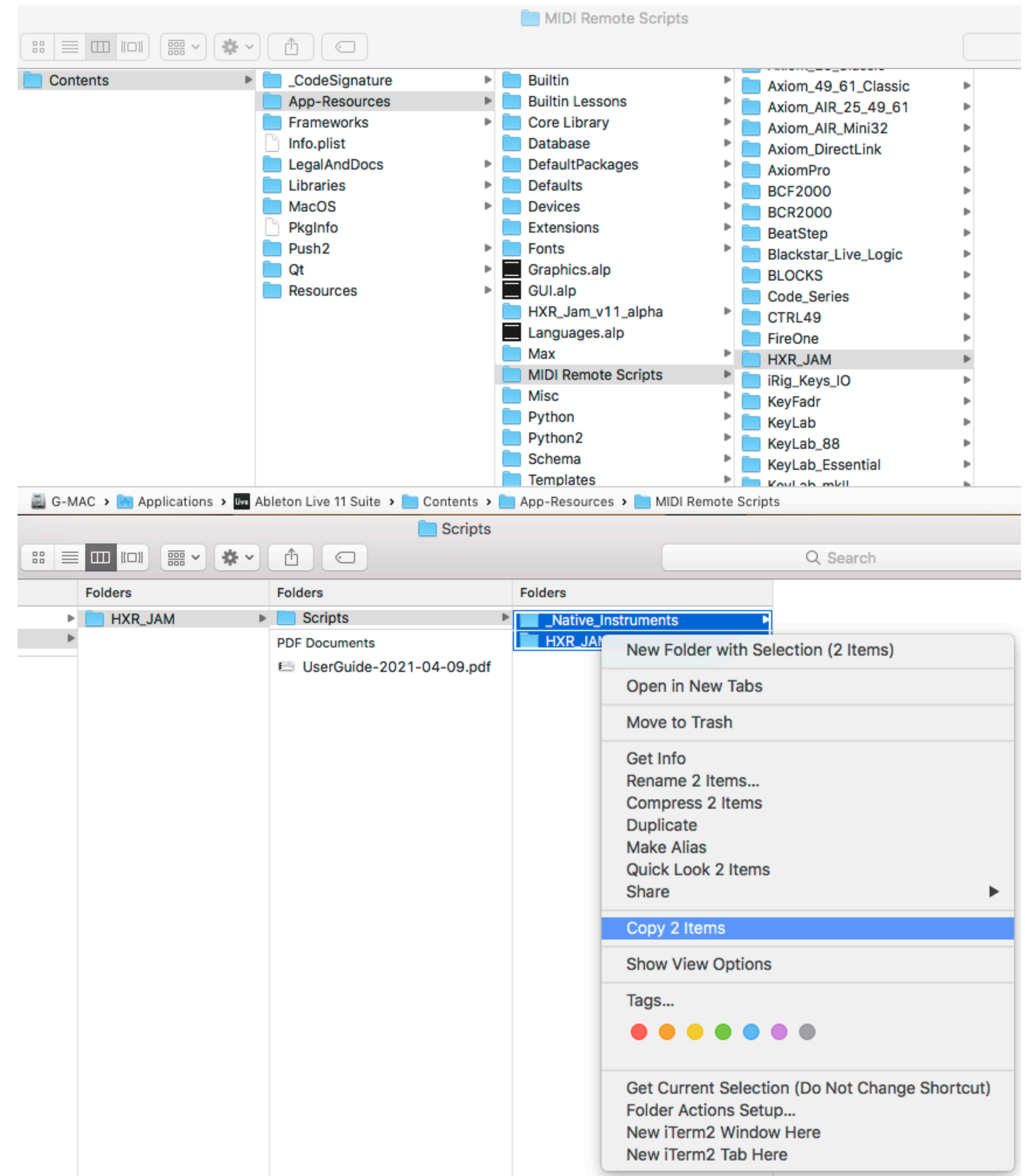
- HXR_JAM/UserGuide-DATE.pdf User Guide you are just reading
- HXR_JAM/Scripts/HXR_JAM JAM Controller scripts
- HXR_JAM/Scripts/_Native_Instruments Support files for controller scripts

Folders	Folders	Developer
▶ Scripts	▶ _Native_Instruments	▶ _init_.py
PDF Documents	▶ HXR_JAM	DrumMode.py
UserGuide-2021-04-09.pdf		DrumStepMod
		EncoderComp
		EncoderHandle
		ExtraButtonCo
		JamButtonMat
		JamClipSlotCo
		JamModes.py
		JamSceneCom
		JamSessionCo
		LoadMode.py
		MainEncoderC
		MaschineJam.i
		MaschineMode
		Max4LiveCom
		MidiMap.py
		ModifierComp
		PadColorButto
		PadMode.py
		PadScale.py
		ParameterUtil.i
		SceneButtonCi
		SessionMode.i
		SongMode.py
		StateButton.py
		StepMode.py
		TouchStripSlid
		TrackButtonHa
		TrackControlC
		UserMode.py
		UserPluginCon

Installation 2/4

Put files under Live 11 application

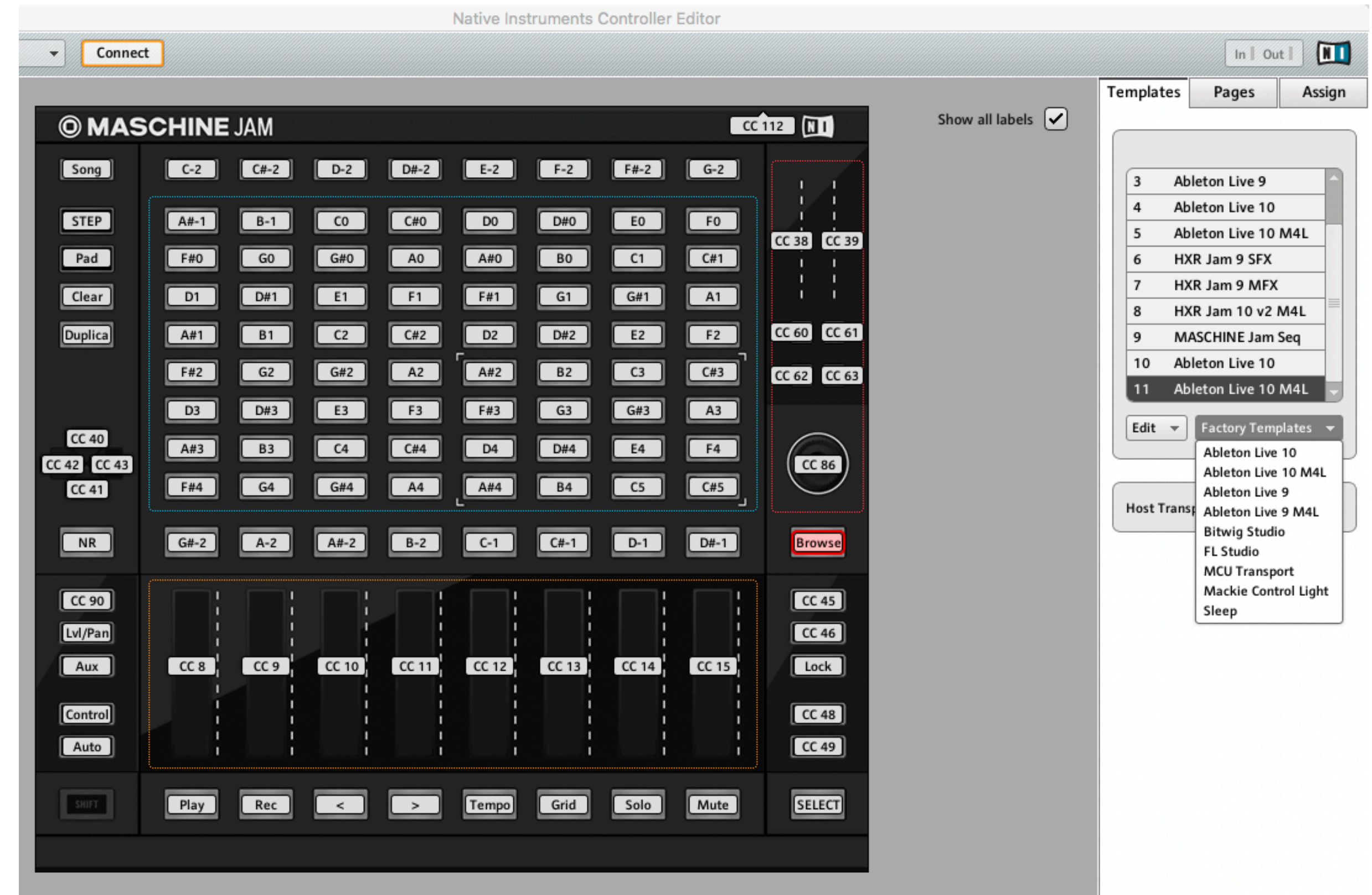
- 1: Extract ZIP file
- 2: Copy Scripts/* into your Ableton MIDI Remote Scripts folder
- OSX:
/Applications/Ableton Live 11 Suite/Contents/App-Resources/MIDI Remote Scripts/
- WINDOWS:
C:\ProgramData\Ableton\Live 11 Suite\Resources\MIDI Remote Scripts\
- 3: (re-)Start Live



Installation 3/4

Select Controller Template

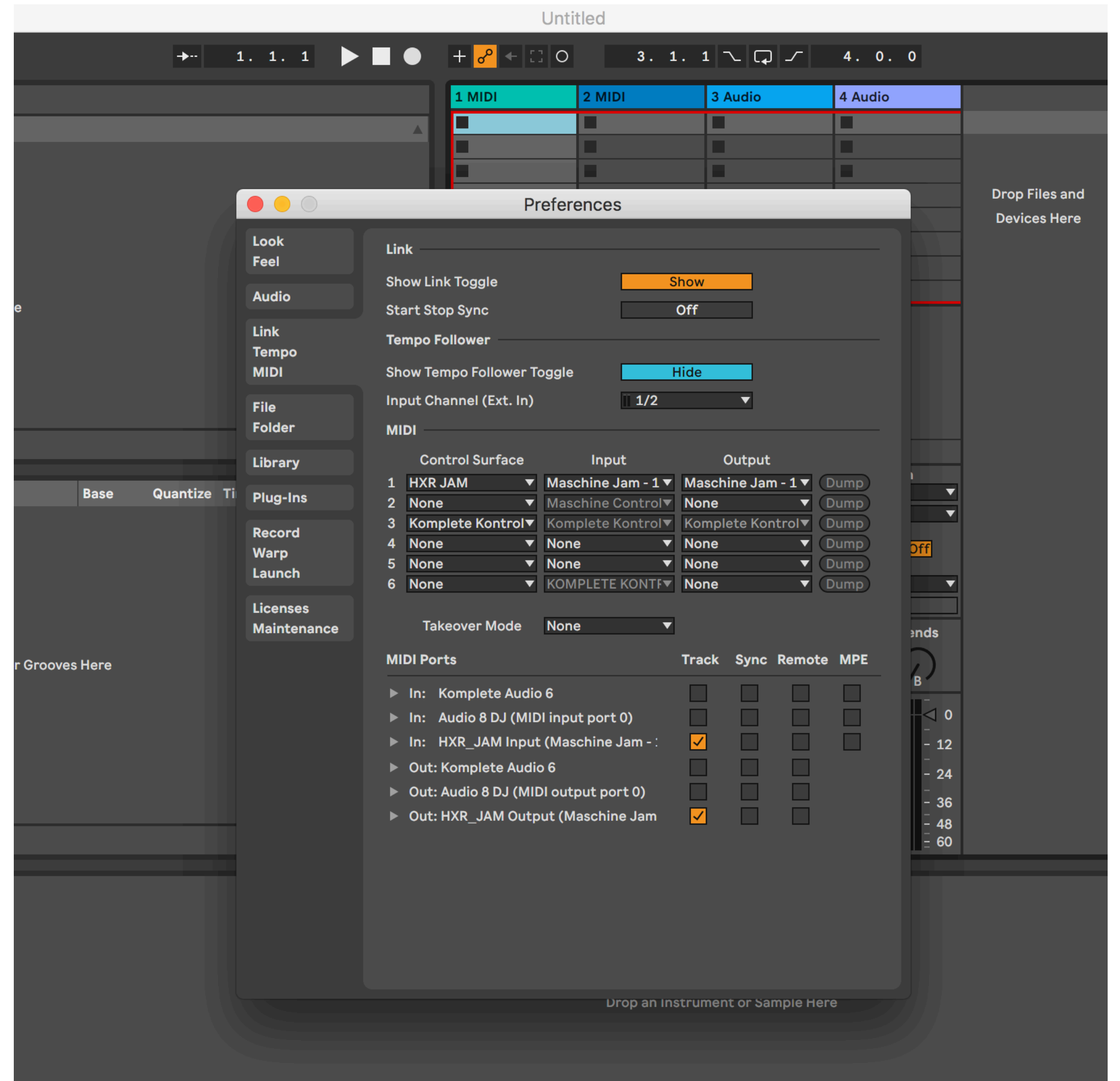
- 1: Open Controller Editor application
- 2: Select **Ableton Live 10 M4L**
- 3: Or if you don't have then press Factory Templates button and add from there.



Installation 3/4

Select HXR_JAM to be active

- 1: Open Ableton Live's Preferences
- 2: Select MIDI Settings
- 3: Select HXR_JAM together with corresponding Input & Output ports

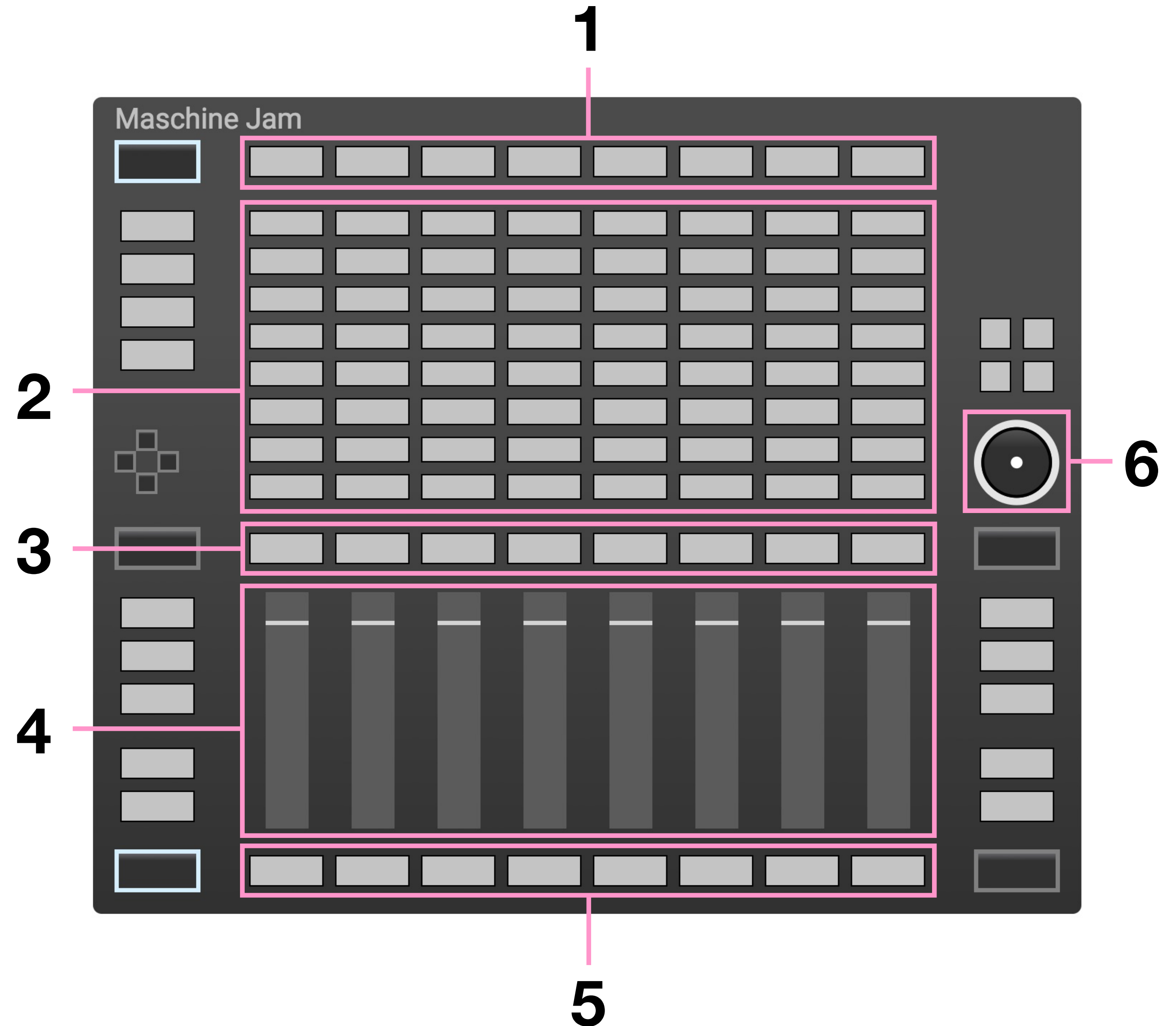


Overview

Overview 1/4

Overall layout

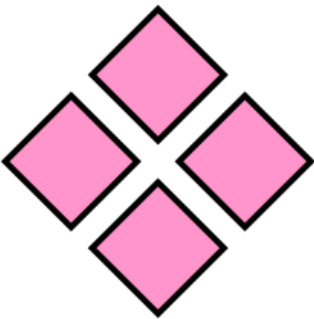
- 1: Scene Buttons
- 2: ClipSlot Buttons
- 3: Track Select Buttons
- 4: TouchStrips
- 5: Transport etc Buttons
- 6: Main Knob
- + buttons for various actions



Overview 2/4

Buttons explained

- SONG** Toggle between 'ArrangementMode' and 'SessionMode'.
- 1 - 8** Scene buttons.
- STEP** Toggle to enter 'StepMode' or 'DrumStepMode'.
- PAD MODE** Enable 'PadMode' for selected track & scene.
- CLEAR** Clear modifier button
- DUPLICATE** Duplicate modifier button



Up / Down / Left / Right: action depends on selected mode and possible modifier combination.

- NOTE REPEAT** Enable 'NoteRepeat' mode.
- MST** Control Live sets Master Volume with MAIN KNOB
- GRP** Control selected tracks Volume with MAIN KNOB
- IN1** Control selected tracks Color with MAIN KNOB
- CUE** Control Live sets Preview Volume with MAIN KNOB
- A - H** Track Selection buttons

Overview 3/4

Buttons explained

MACRO Not Used

LEVEL Select to control Track Volumes with TouchStrips

AUX Select to control Track Sends with TouchStrips

CONTROL Select to control the Device Parameters for selected track.

AUTO Enable/Disable Automation Arm setting in Live

SHIFT Shift modifier button.

BROWSE Stop clip modifier button.

PERFORM Not Used

NOTES Capture MIDI feature. Press to capture previously played notes to new clip.

LOCK Limited Use

TUNE Limited Use

SWING Limited Use

SHIFT **SWING** Press **SHIFT** + **SWING** to enter/exit LoadMode.

Overview 4/4

Buttons explained

PLAY Play/Pause

SHIFT **PLAY** Press **SHIFT** + **PLAY** to restart playback

REC Record

SHIFT **REC** Press **SHIFT** + **REC** to have count-in before playback

SHIFT **<** Press **SHIFT** + **<** to Enable/Disable metronome.

SHIFT **>** Press **SHIFT** + **>** to Enable/Disable Loop.

TEMPO Control Live sets Tempo with the **MAIN KNOB**

SHIFT **TEMPO** Press **SHIFT** + **TEMPO** to Tap the tempo.

GRID Control Clip Quantize value with **MAIN KNOB**

SHIFT **GRID** Press **SHIFT** + **GRID** to select tracks to be Armed with **Track buttons A–H**.

SOLO Solo - depends on used mode.

SHIFT **SOLO** Press **SHIFT** + **SOLO** to change the selected patterns length with **MAIN KNOB**

MUTE Mute - depends on used mode.

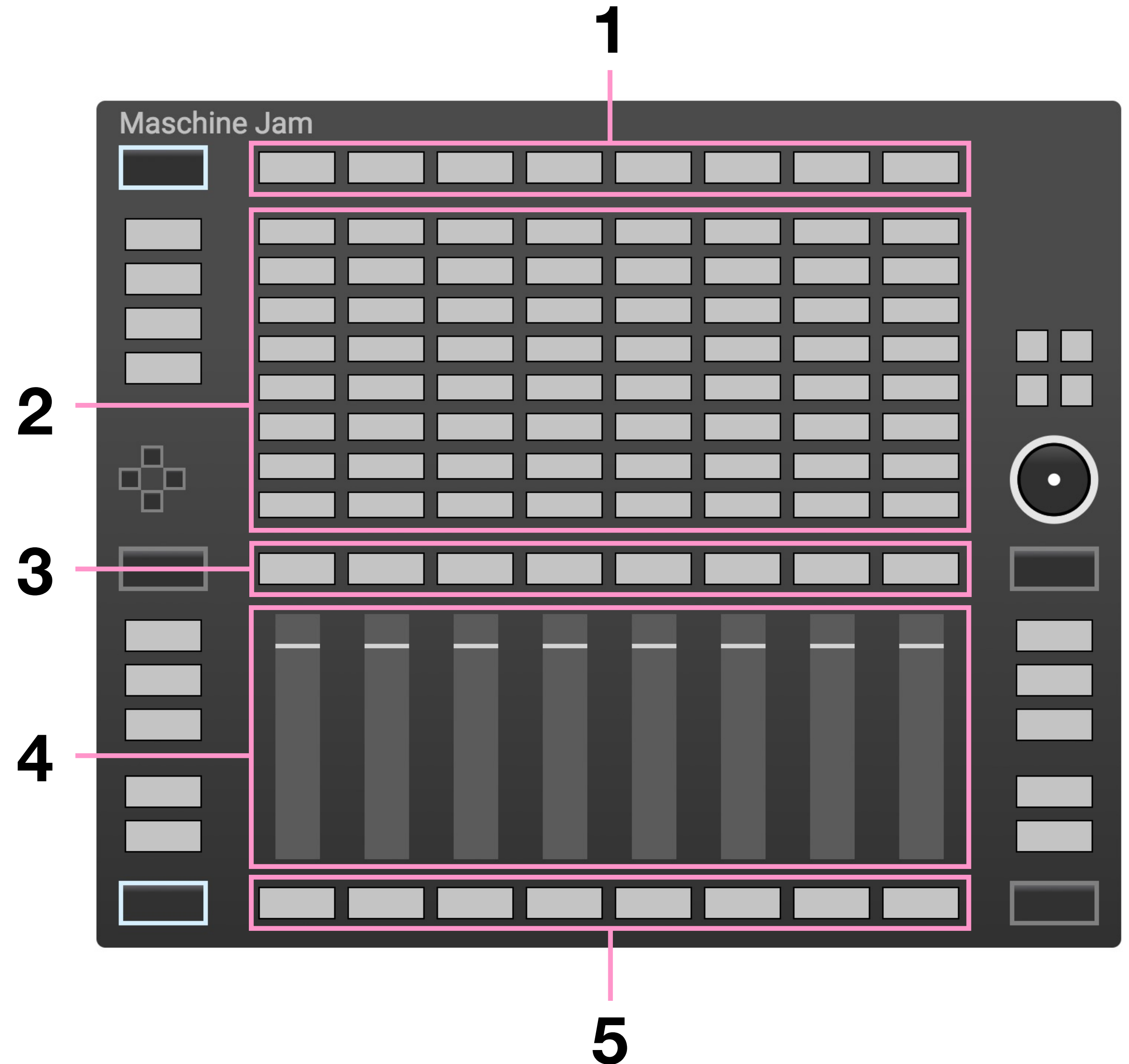
SELECT Select modifier button.

Usage

SessionMode 1/2

Overall layout

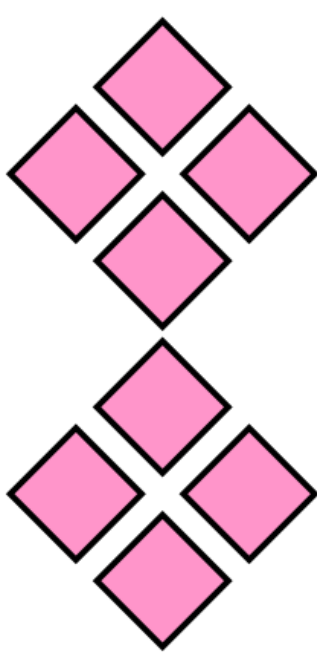
- 1: Trigger Scenes
- 2: Trigger Clips
- 3: Select Tracks
- 4: Control Parameters
- 5: Global Controls



SessionMode 2/2

Buttons explained

SHIFT



Move focus area UP / DOWN / LEFT / RIGHT by 8 steps.

Press SHIFT + UP / DOWN / LEFT / RIGHT to move focus area by 1 step.

1 - 8

Trigger Scenes in current Session based on focus area

A - H

Select Track based on focus area.

If track is empty - new MIDI track will be created.

SHIFT

A - H

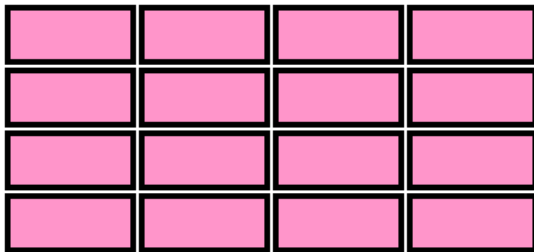
Pressing SHIFT + empty track will create new Audio track.

SELECT

A - H

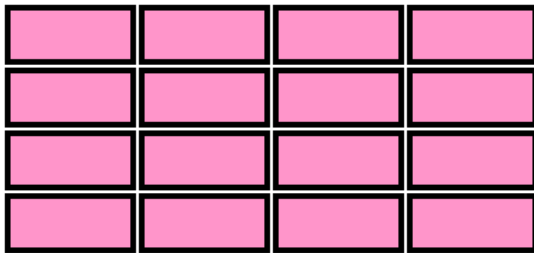
Press SELECT + [Track A-H] to Fold/Unfold group of Tracks

SELECT



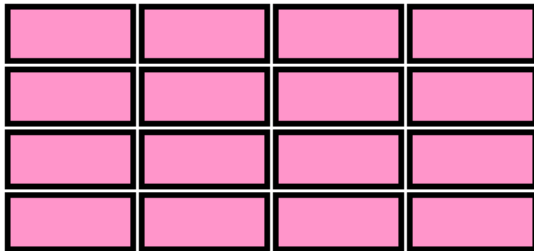
Press SELECT + [clip slot] to select clip without triggering it

CLEAR



Delete clip from selected slot.

DUPLICATE



Duplicate selected clip to slot below.

SHIFT

CLEAR

Clear all Automation from selected clip.

SHIFT

DUPLICATE

Double the selected clip.

SHIFT

GRID

Press SHIFT + GRID to select tracks to be Armed with Track buttons A-H.

SOLO

Select tracks to be Soloed with Track Buttons A-H.

MUTE

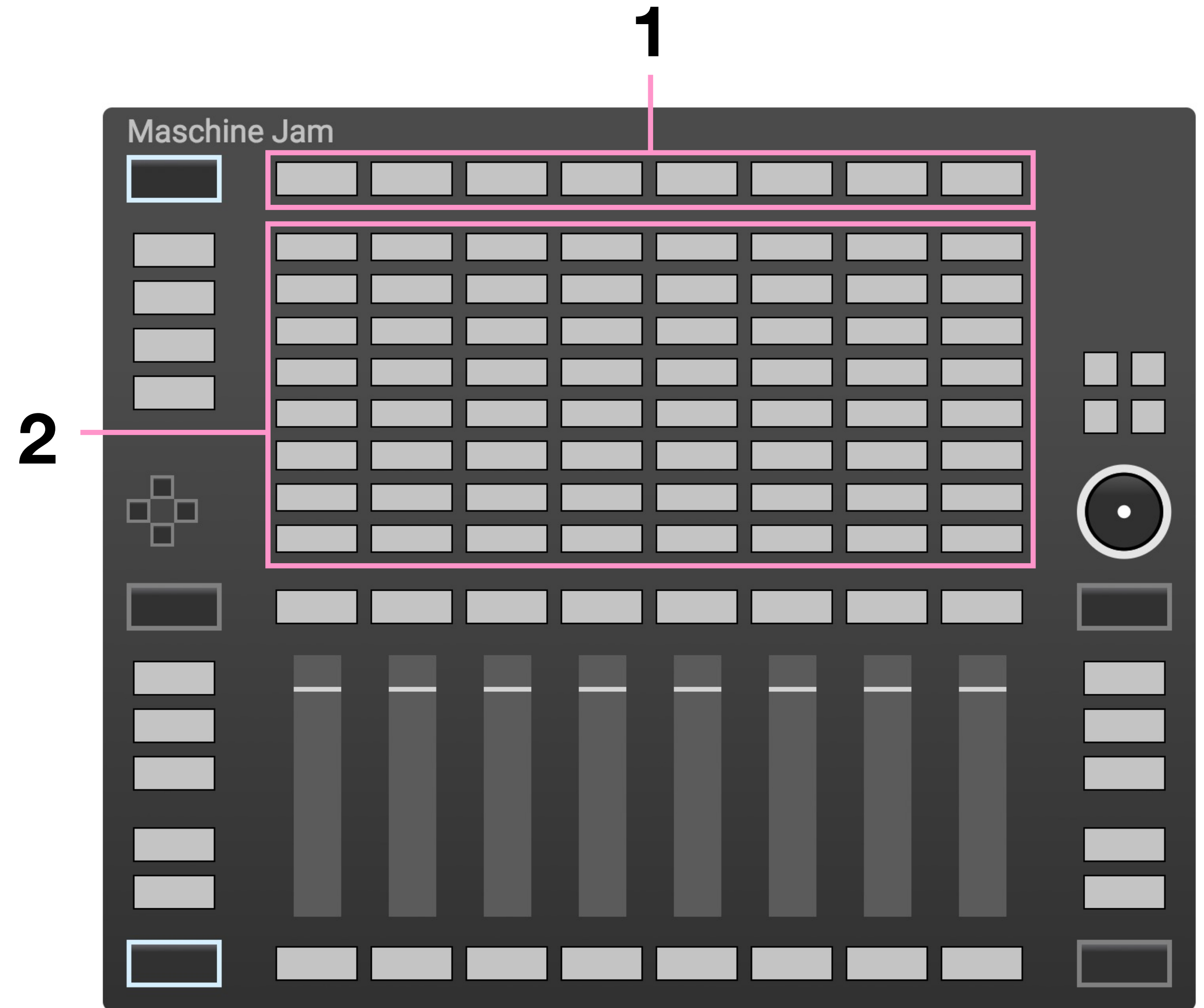
Select tracks to be Muted with Track Buttons A-H

SongMode 1/2

Overall layout

- 1: Trigger CuePoints
- 2: Clip Markers for Tracks

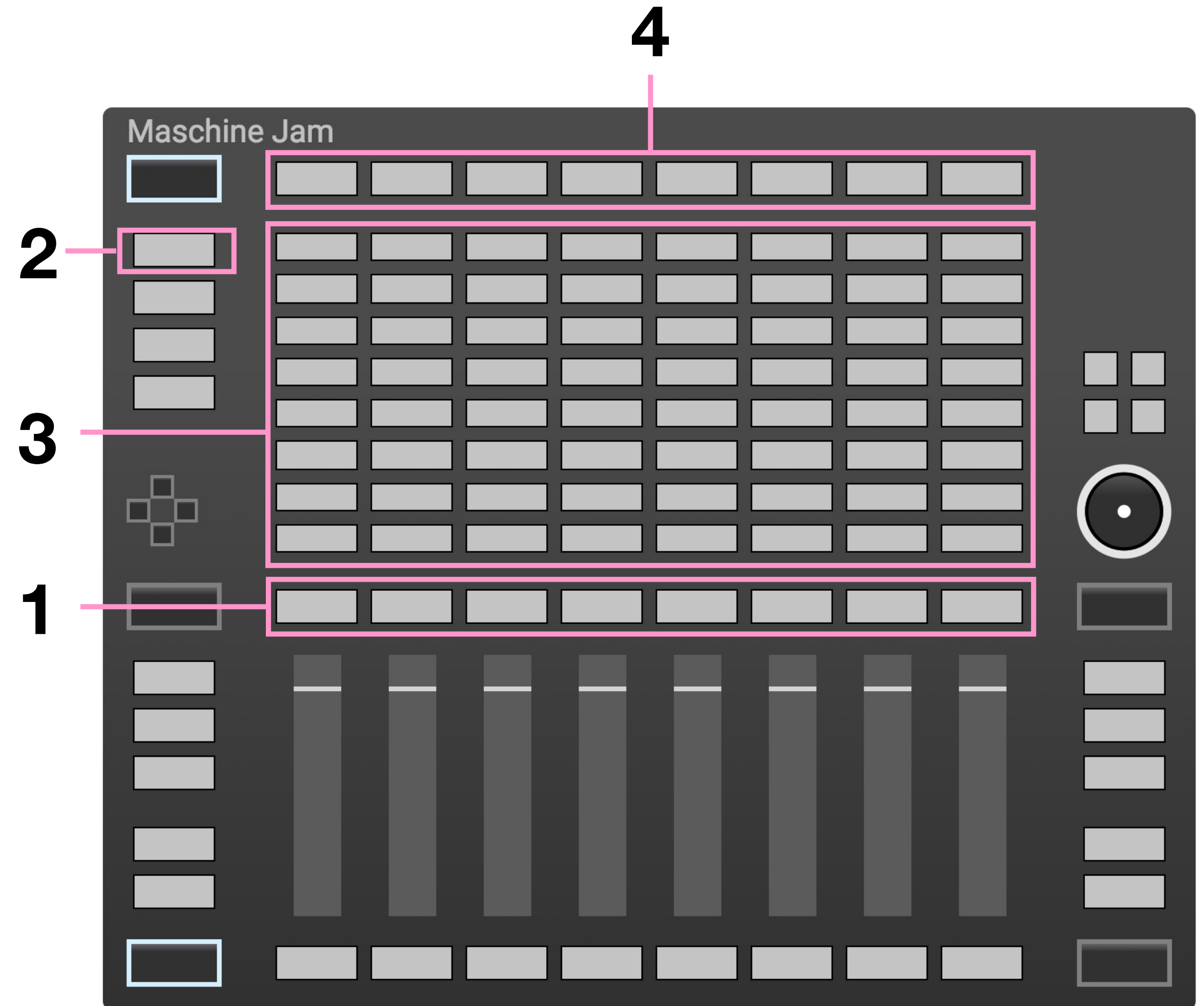
Song Mode is currently only visual reference for clips in different tracks and to trigger CuePoints in Arrangement timeline.



StepMode 1/2

Overall layout

- 1: Select Track
- 2: Enable StepMode
- 3: Enter/Remove Notes
- 4: Move Between Pages

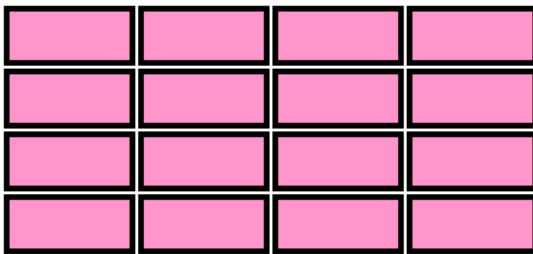


StepMode 2/2

Buttons explained

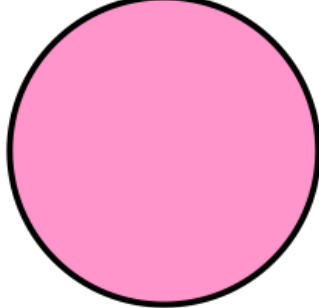
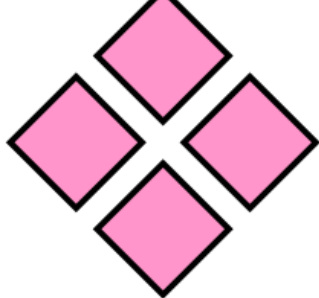
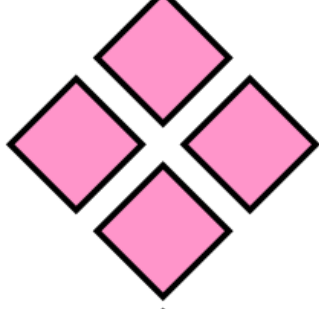
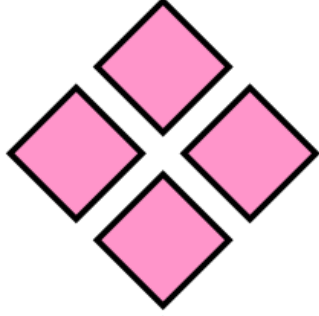
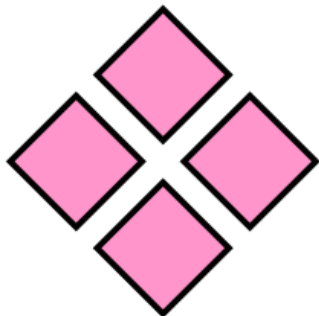
STEP Enter/Exit StepMode

1 - 8 Select between pages in current clip - based on current grid size setting.

 Enter/Remove Notes by pressing the notes on 8x8 grid.

SHIFT

SHIFT



Press UP / DOWN to change Root Note semitone Up/Down

Press SHIFT + UP / DOWN to change Root Note octave Up/Down

Press LEFT / RIGHT to change used Key Scale.

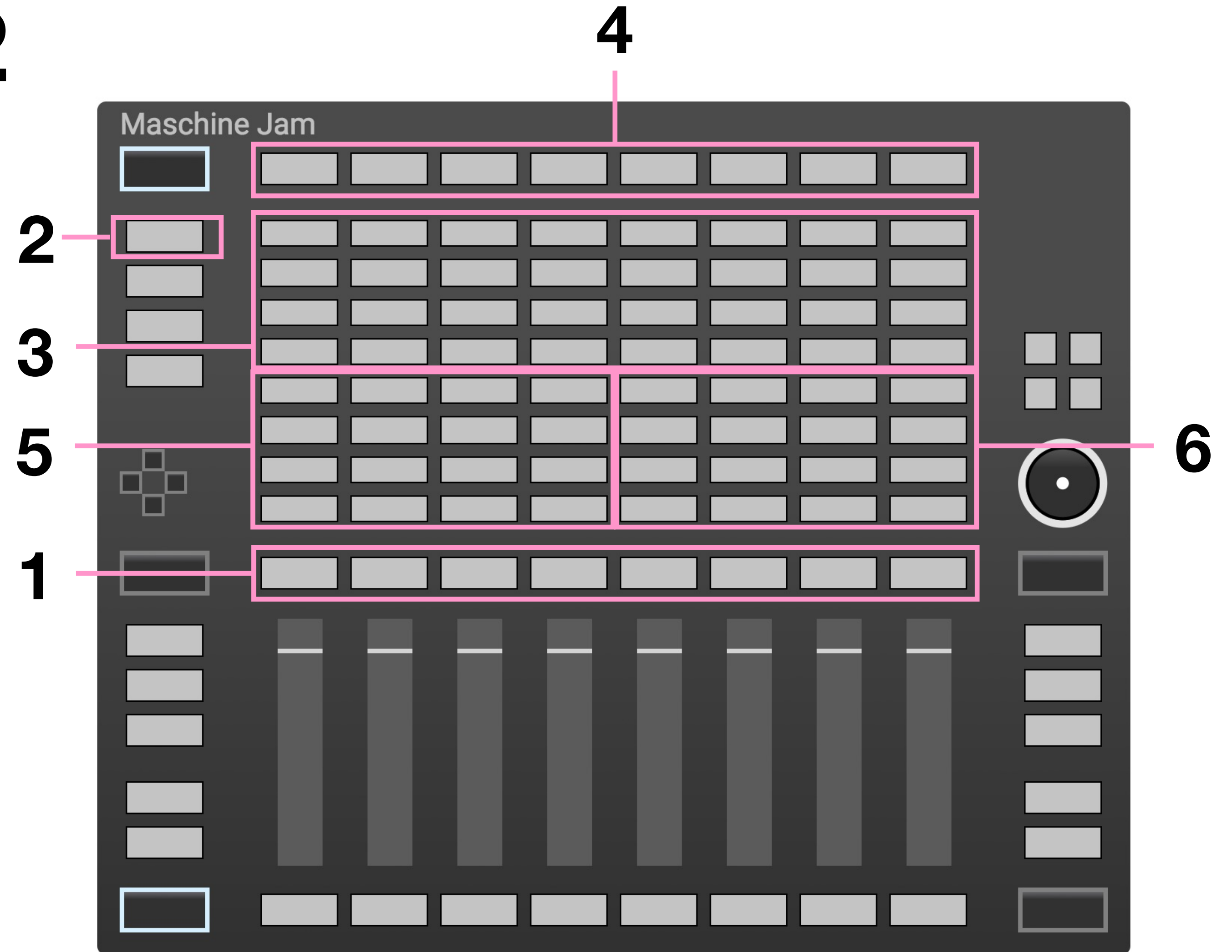
Press SHIFT + LEFT / RIGHT to change note grid scale.

Rotate Main Knob to change step length setting.

DrumStepMode 1/2

Overall layout

- 1: Select Track
- 2: Enable StepMode
- 3: Enter/Remove Notes
- 4: Move Between Pages
- 5: Change Note Velocity
- 6: Change Drum Pad

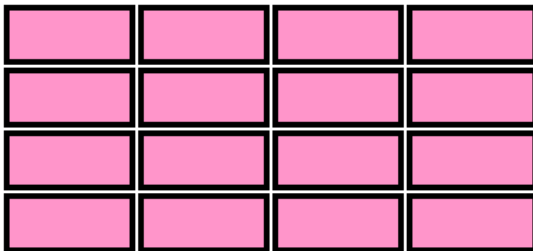


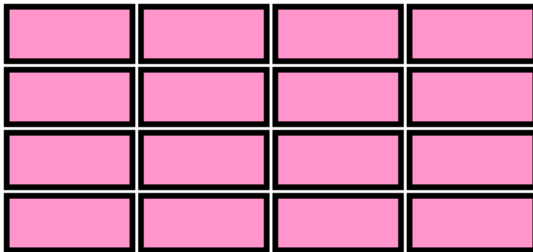
DrumStepMode 2/2

Buttons explained

STEP Enter/Exit StepMode

1 - 8 Select between pages in current clip - based on current grid size setting.

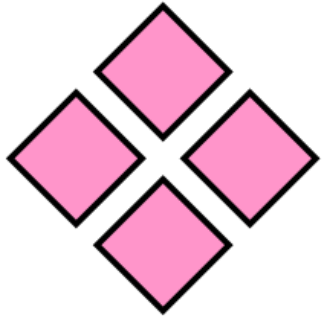
 Select Note Velocity setting by pressing the lower left 4x4 buttons. Setting will affect only notes entered after setting Velocity Level.

 Select Drum Pad by pressing lower right 4x4 buttons.

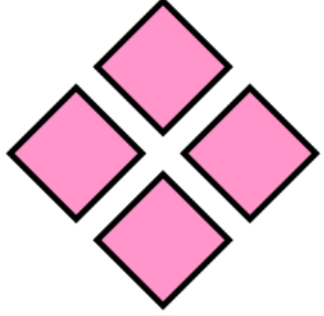
SOLO Toggle SOLO mode for Drum Pads.

MUTE Toggle MUTE mode for Drum Pads.

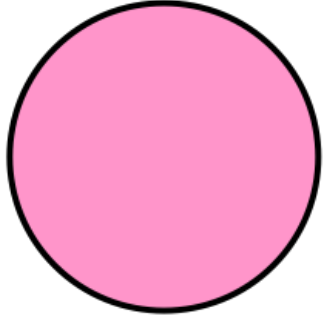
SHIFT



Press UP / DOWN to change Drum Pad selection Up/Down by 4 steps (1 row).



Press SHIFT + LEFT / RIGHT to change note grid scale.

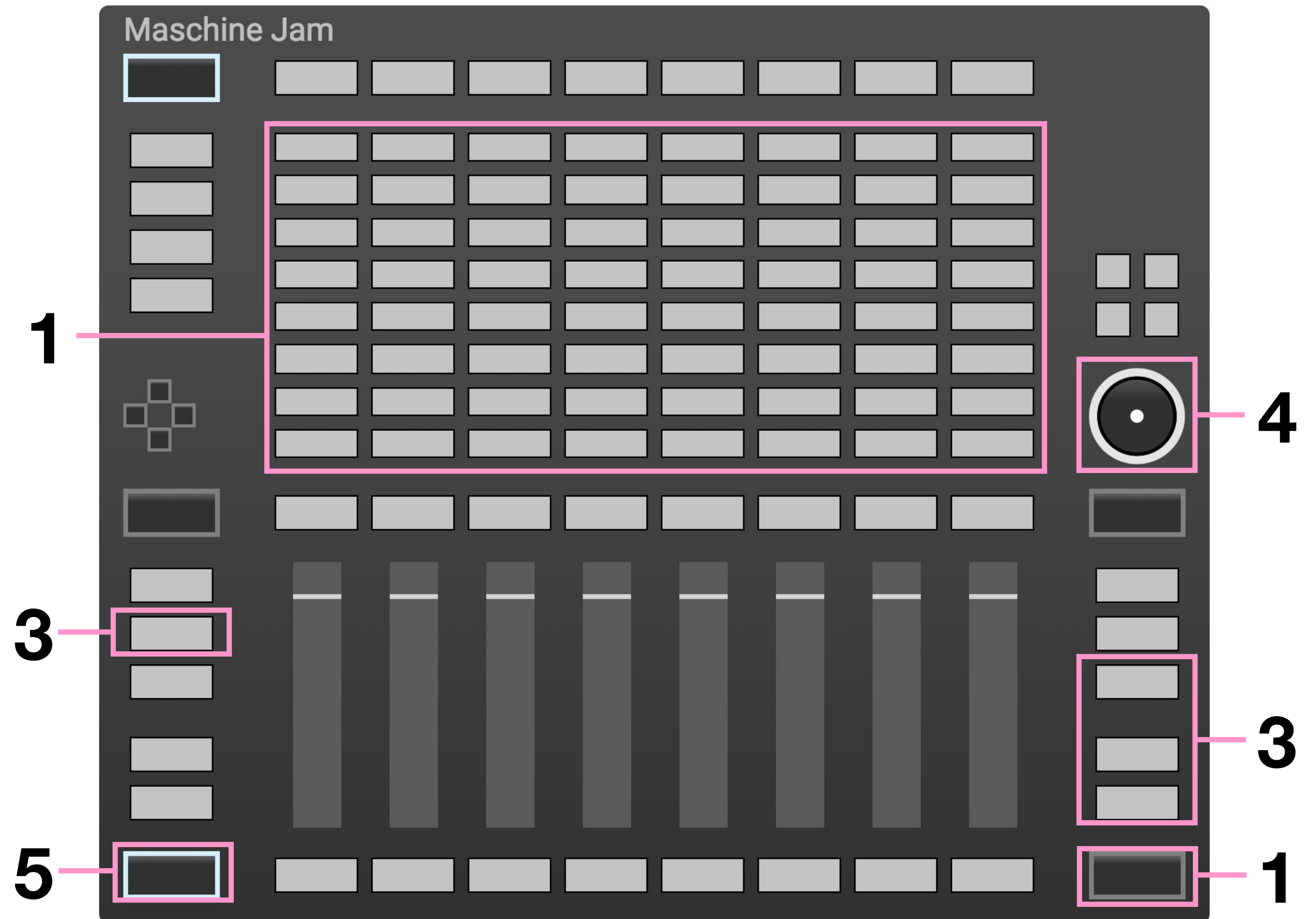


Rotate Main Knob to change step length setting.

NoteEditing 1/2

Overall layout

- 1: Press SELECT + Step Pad to select Notes inside that step.
- 2: Repeat for multiple notes - press same step again to unselect
- 3: Select Parameter you want to edit with SELECT + BUTTON
- 4: Rotate Main Knob to edit notes
- 5: SHIFT + SELECT to unselect all notes



NoteEditing 2/2

Buttons explained

SELECT Main Select functionality modifier button - acting almost like SHIFT button.

SHIFT **SELECT** Press SHIFT+SELECT to deselect all notes (empty selection).

SELECT

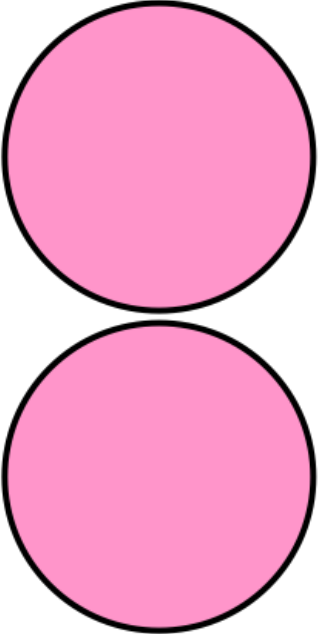
 Press SELECT + Step pad to Select/Deselect notes within that step. Selected Notes colour changes to yellow.

SELECT **VOLUME** Press SELECT + VOLUME to control Note Velocity values with MAIN KNOB

SELECT **LOCK** Press SELECT + LOCK to control Note Duration (length) values with MAIN KNOB

SELECT **TUNE** Press SELECT + TUNE to control Note Pitch values with MAIN KNOB

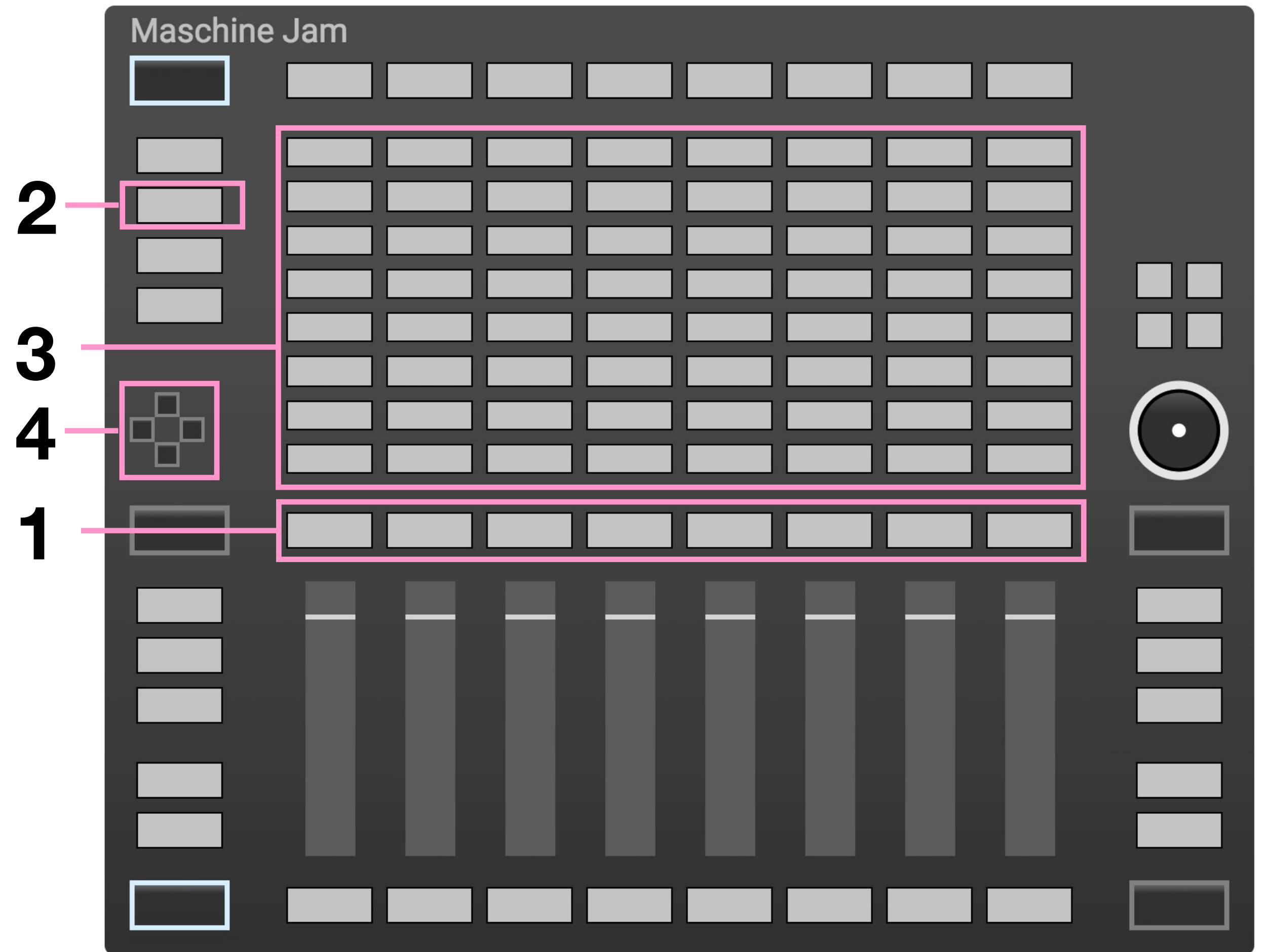
SELECT **SWING** Press SELECT + SWING to control Note start time values with MAIN KNOB

SHIFT  Rotate Main Knob to change selected notes Velocity / Duration / Pitch / Start Time property.

PadMode 1/2

Overall layout

- 1: Select Track
- 2: Enter Pad Mode
- 3: Trigger Notes
- 4: Change settings



PadMode 2/2

Buttons explained

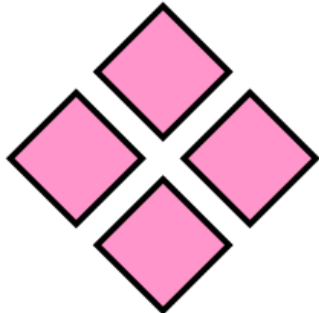
A - H Select Track

PAD MODE Enter/Exit PadMode

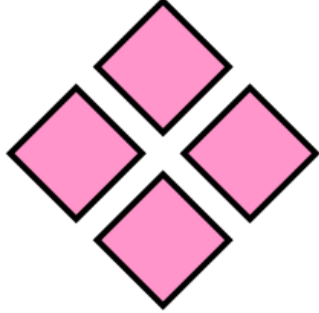
 Trigger Notes with 8x8 Clip Pads

SHIFT

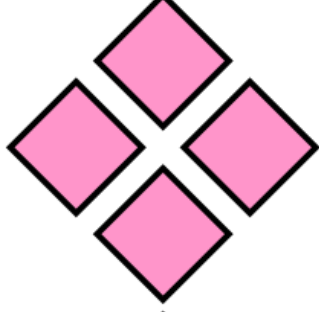
SHIFT



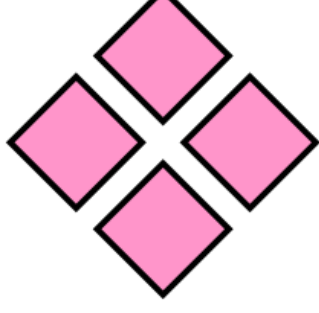
Press UP / DOWN to change Root Note semitone Up/Down



Press SHIFT + UP / DOWN to change Root Note octave Up/Down



Press LEFT / RIGHT to change used Key Scale.

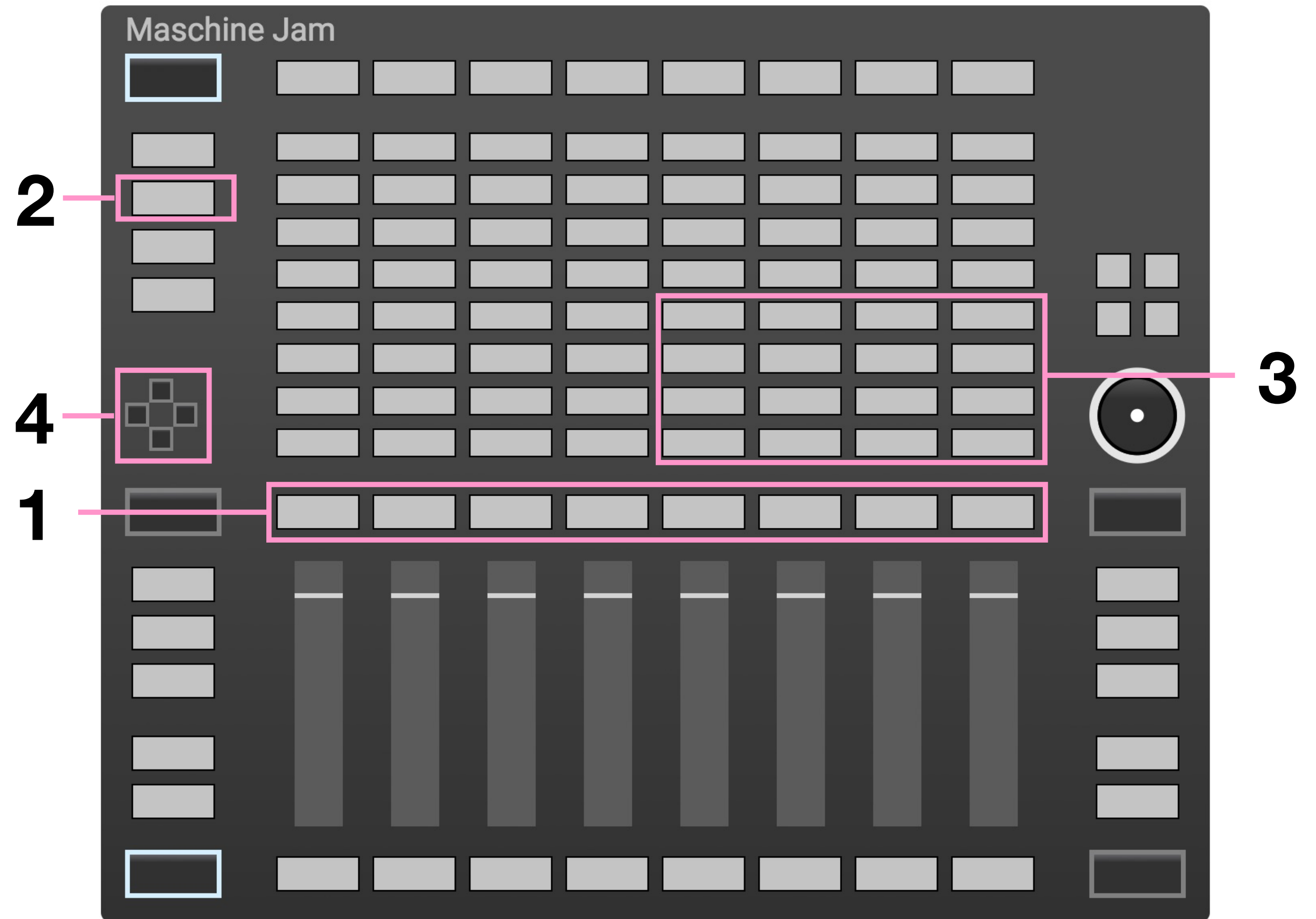


Press SHIFT + LEFT / RIGHT to change PadLayout.

DrumPadMode 1/2

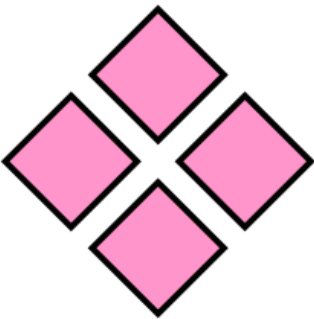
Overall layout

- 1: Select Track
- 2: Enter Pad Mode
- 3: Trigger Drum Pads
- 4: Change settings



DrumPadMode 2/2

Buttons explained



Press UP / DOWN to change Drum Pad selection Up/Down by 4 steps (1 row).

A - H Select Track

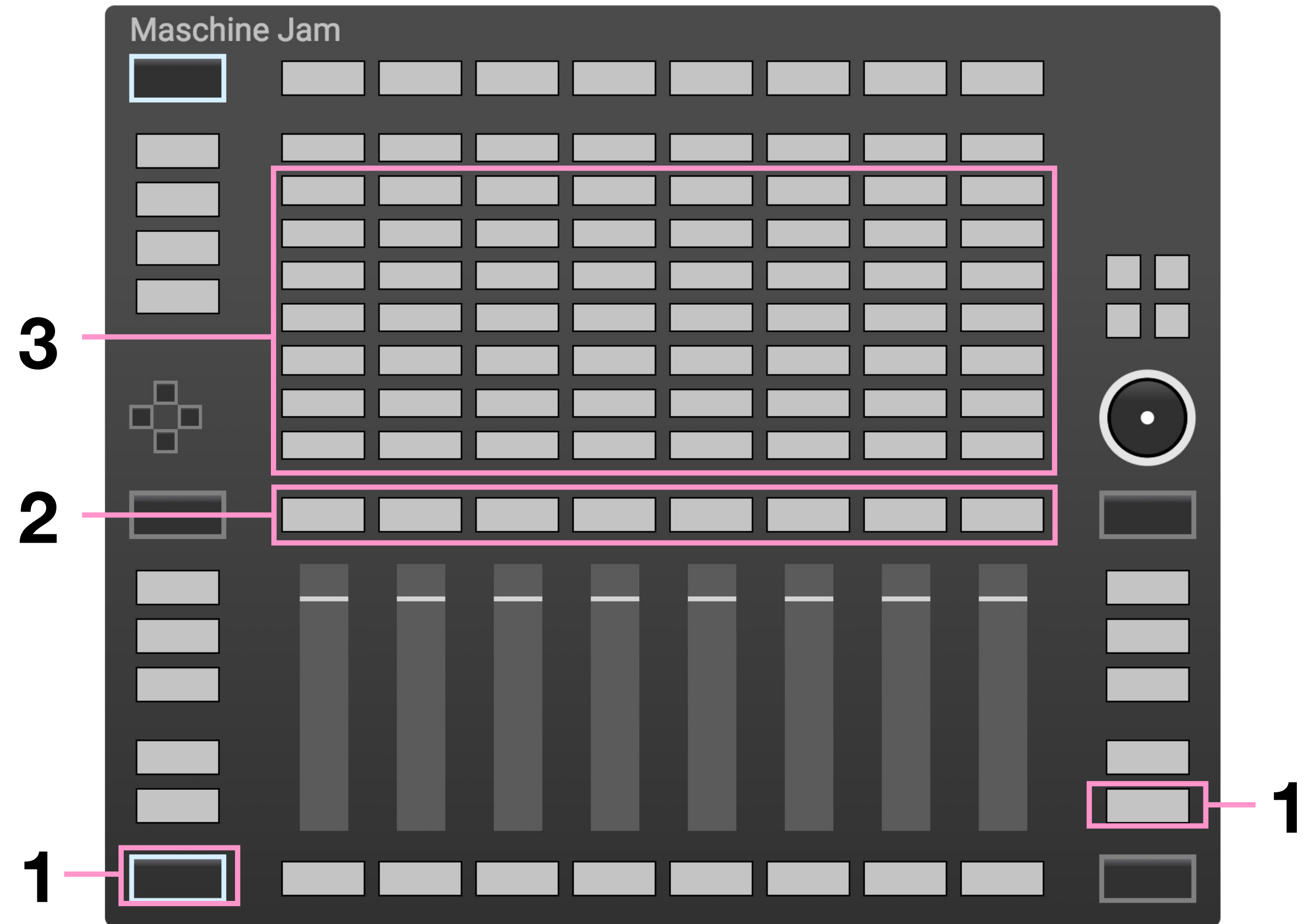
PAD MODE Enter/Exit PadMode

 Trigger Drum Pads with lower right 4x4 Clip Pads

LoadMode 1/2

Overall layout

- 1: Enter Load Mode
- 2: Select Track
- 3: Load Instrument/Effect/Plugin



LoadMode 2/2

Buttons explained

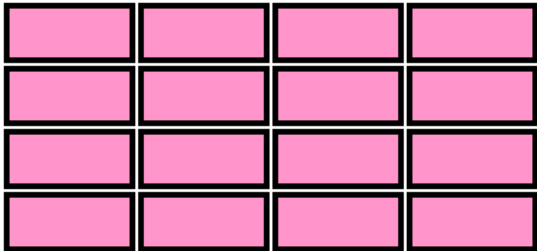
SHIFT

SWING

Enter / Exit LoadMode

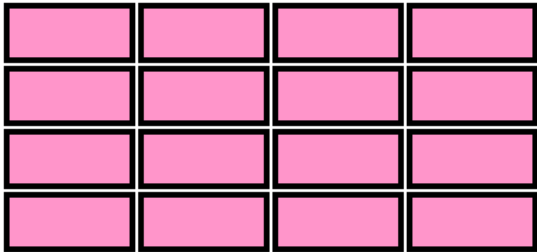
SWING

Switch pages (1->2->3->4->1..) in LoadMode



Press any Clip Slot to load up configured Instrument / Effect / Plugin based on user configuration.

SHIFT



Load configured item and exit LoadMode

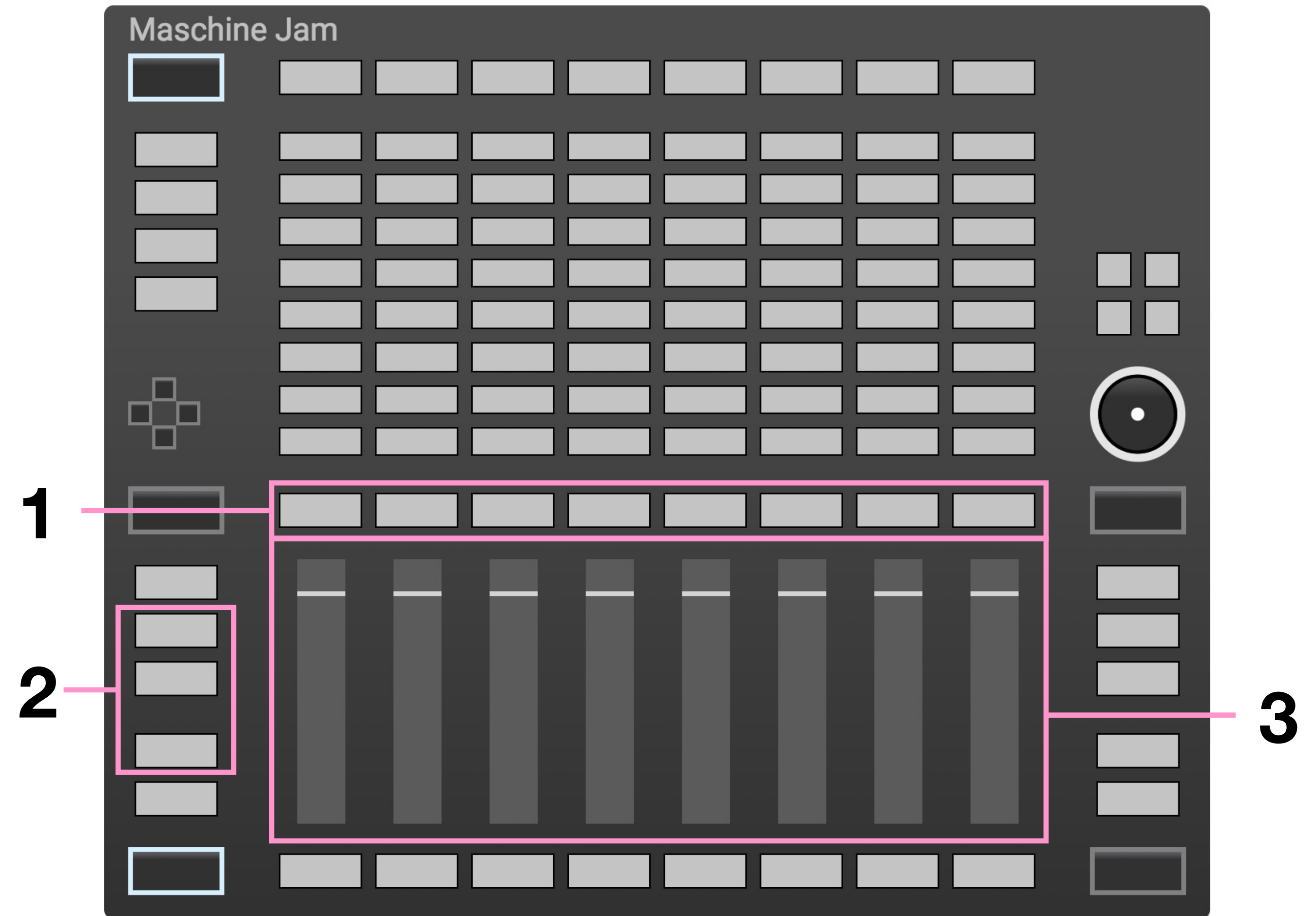
A-H

Select Track based on current focus area.

TouchStrips 1/2

Overall usage

- 1: Select Track
- 2: Select used mode for TouchStrips.
- 3: Edit values with TouchStrips



TouchStrips 2/2

Buttons explained

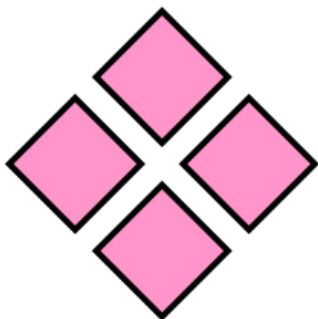
LEVEL Control track VOLUME values.

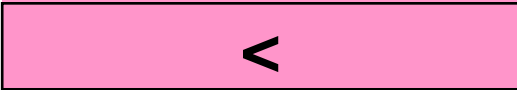
SHIFT **LEVEL** Control track PAN values.

AUX Control track SEND values.
Press **AUX** again to cycle though different return channels.

CONTROL Select to control the Device Parameters for selected track.
Press **CONTROL** again to select focus for child device.

SHIFT **CONTROL** Press **SHIFT** + **CONTROL** to select focus for parent device.

CONTROL  Press **CONTROL** + **LEFT** / **RIGHT** to select focus for previous / next device in the selected track.

 When controlling Device Parameters moves to previous page of parameters mapped to the TouchStrips

 When controlling Device Parameters moves to next page of parameters mapped to the TouchStrips

Configuration

Configuration 1/2

Supported items

- INS Native Ableton Instruments
- MFX Native Ableton MIDI Effects
- SFX Native Ableton Audio Effects
- VST 3rd party VST plugins
- AuU 3rd party AuU plugins
- M4L Native + 3rd party Max4Live devices including both Instruments and Effects
- USR UserLibrary content

```
UserPluginConf.py
USER_PLUGINS_PAGE_1 = [
    ['INS/Drum Synth/DS Kick', 'INS/Drum Synth/DS Snare', 'INS/Drum Synth/DS Clap', 'INS/Drum S
    ['INS/Drum Synth/DS Sampler', 'INS/Drum Synth/DS FM', '', '', '', '', '', ''],
    ['', '', '', '', '', '', '', '', ''],
    ['', '', '', '', '', '', '', '', ''],
    ['', '', '', '', '', '', '', '', ''],
    ['INS/Analog', 'INS/Collision', 'INS/Drum Rack', 'INS/Electric', 'INS/External Instrument',
    ['INS/Operator', 'INS/Sampler', 'INS/Simpler', 'INS/Tension', 'INS/Wavetable', '', '', '']
]

USER_PLUGINS_PAGE_2 = [
    ['SFX/Delay & Loop/Beat Repeat', 'SFX/Delay & Loop/Delay', 'SFX/Delay & Loop/Echo', 'SFX/De
    ['SFX/Drive & Color/Amp', 'SFX/Drive & Color/Cabinet', 'SFX/Drive & Color/Drum Buss', 'SFX/
    ['', '', '', '', '', '', 'SFX/Drive & Color/Saturator', 'SFX/Drive & Color/Vinyl Distortion'],
    ['SFX/Dynamics/Compressor', 'SFX/Dynamics/Gate', 'SFX/Dynamics/Glue Compressor', 'SFX/Dynam
    ['SFX/EQ & Filters/Auto Filter', 'SFX/EQ & Filters/Channel EQ', 'SFX/EQ & Filters/EQ Eight
    ['SFX/Modulators/Envelope Follower', 'SFX/Modulators/LFO', 'SFX/Modulators/Shaper', '', '', '
    ['SFX/Pitch & Modulation/Auto Pan', 'SFX/Pitch & Modulation/Chorus-Ensemble', 'SFX/Pitch &

USER_PLUGINS_PAGE_3 = [
    ['SFX/Reverb & Resonance/Corpus', 'SFX/Reverb & Resonance/Hybrid Reverb', 'SFX/Reverb & Re
    ['SFX/Utilities/Audio Effect Rack', 'SFX/Utilities/External Audio Effect', 'SFX/Utilities/
    ['', '', '', '', '', '', '', '', ''],
    ['VST/TDRNova', '', '', '', '', '', '', ''],
    ['', '', '', '', '', '', '', '', ''],
    ['', '', '', '', '', '', '', '', ''],
    ['VST/Massive', 'VST/Battery 4', 'VST/u-he/Diva', 'VST/ABL3', '', '', '', '']
]

USER_PLUGINS_PAGE_4 = [
    ['MFX/Arpeggiator', 'MFX/Chord', 'MFX/Envelope MIDI', 'MFX/Expression Control', 'MFX/MIDI
    ['MFX/Note Length', 'MFX/Pitch', 'MFX/Random', 'MFX/Scale', 'MFX/Velocity', '', '', ''],
    ['', '', '', '', '', '', '', '', ''],
    ['', '', '', '', '', '', '', '', ''],
    ['', '', '', '', '', '', '', '', ''],
    ['', '', '', '', '', '', '', '', ''],
    ['M4L/Max MIDI Effect/Instant Haus by Alexkid', '', '', '', '', '', '', 'M4L/Max Instrument/Bas
]
```

Configuration 2/2

Edit UserPluginConf.py

- USER_PLUGINS_PAGE_1
- USER_PLUGINS_PAGE_2
- USER_PLUGINS_PAGE_3
- USER_PLUGINS_PAGE_4
- Each has 7 rows (top row reserved) - each row including 8 items.
- Rows starting with # comments
- After editing files - remember to restart your Ableton Live to make sure changes are reloaded.

Author

Haxor

- From duo Haxor & Roxor
<https://haxorroxor.com>
- Email: haxor dot music at gmail dot com

