

HY-SEQ16x3 ver 1.0.0

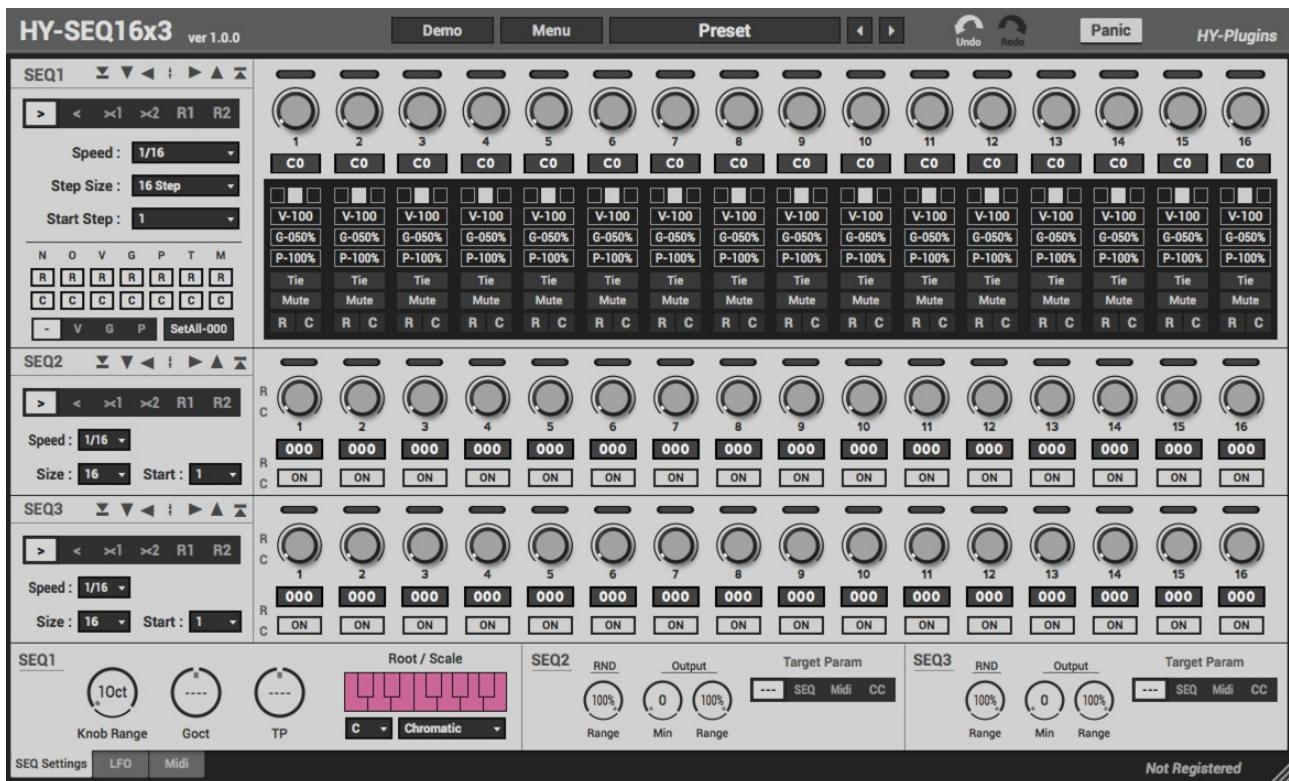


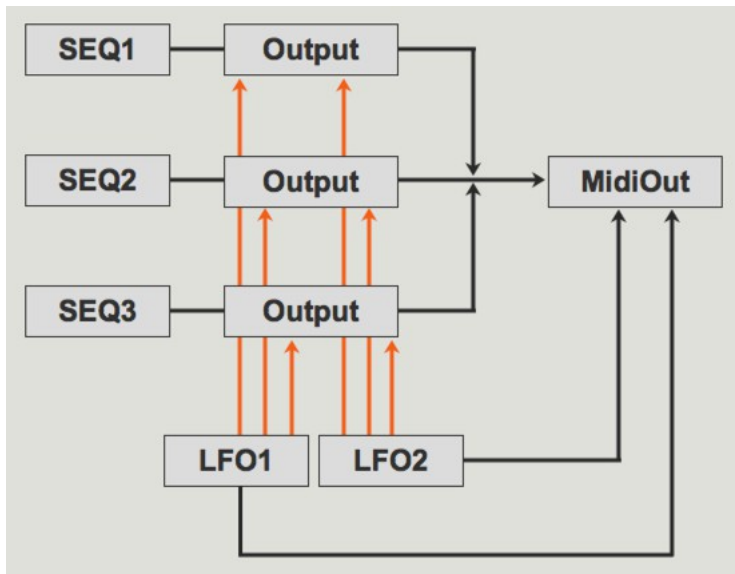
Table of Contents

Introduction.....	3
Structure.....	3
Registration.....	4
Plugin Menu.....	4
Preset.....	5
Resizing Plugin Window.....	5
Plugin Setup.....	6
SEQ1.....	10
SEQ2/3.....	13
SEQ Settings.....	14
LFO Panel.....	15
Midi Panel.....	16
License.....	17

Introduction

It's an analog type 16 step sequencer.
It has 3 sequencer units and 2 lfo units.
Each sequencer unit can be controlled independently.

Structure



Basic idea of this sequencer is inspired by [Doepfer MAQ16/3](#).

There are 3 sequencer units.
Each sequencer can be running independently.

SEQ1 unit outputs midi note, velocity, gate values.
Target parameter of SEQ2/3 is assignable.

There are also 2 LFO units available.
LFO signal can be used for modulating output values of sequencer units.

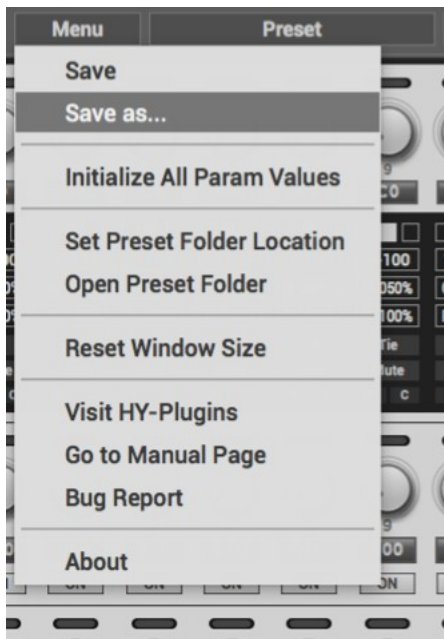
Registration



Clicking “Demo” button > select “Register” > load your keyfile

Once HY-SEQ16x3 is registered, “Demo” text will be changed “Registered”.

Plugin Menu



Clicking “**Menu**” button, plugin menu will show up.

Save : overwrite current loaded preset file

Save as : saving preset file as new preset

Initialize All Param Values : initialize all parameter values

Set Preset Folder : if you change preset folder location, you need to set new location

Open Preset Folder : opening preset folder

Reset Window Size: resetting window size of the plugin

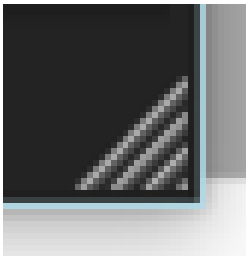
Preset

Clicking preset button, preset select window will show up.
Once one of preset file is loaded, button label will be changed to selected preset name.
And also you can select preset file by arrow buttons.

Default preset folder location

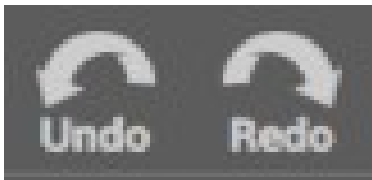
Mac : Library/Audio/Presets/HY-Plugins
Win : C:\Users\user name\Documents\HY-Plugins

Resizing Plugin Window



You can resize plugin window by pushing/pulling bottom right of the plugin window.

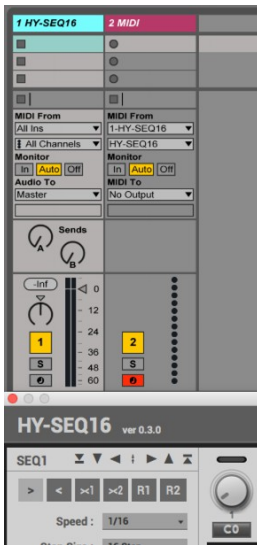
Undo/Redo



When undo/redo function is available, button color will be white.

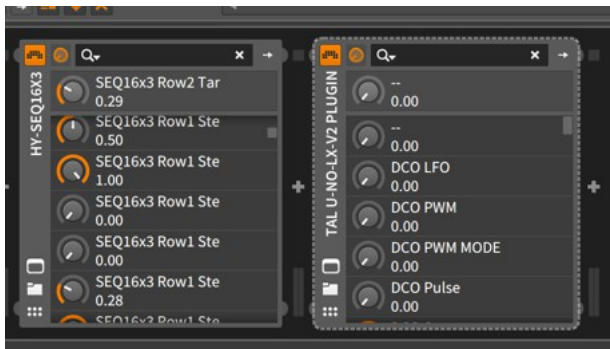
Plugin Setup

Ableton



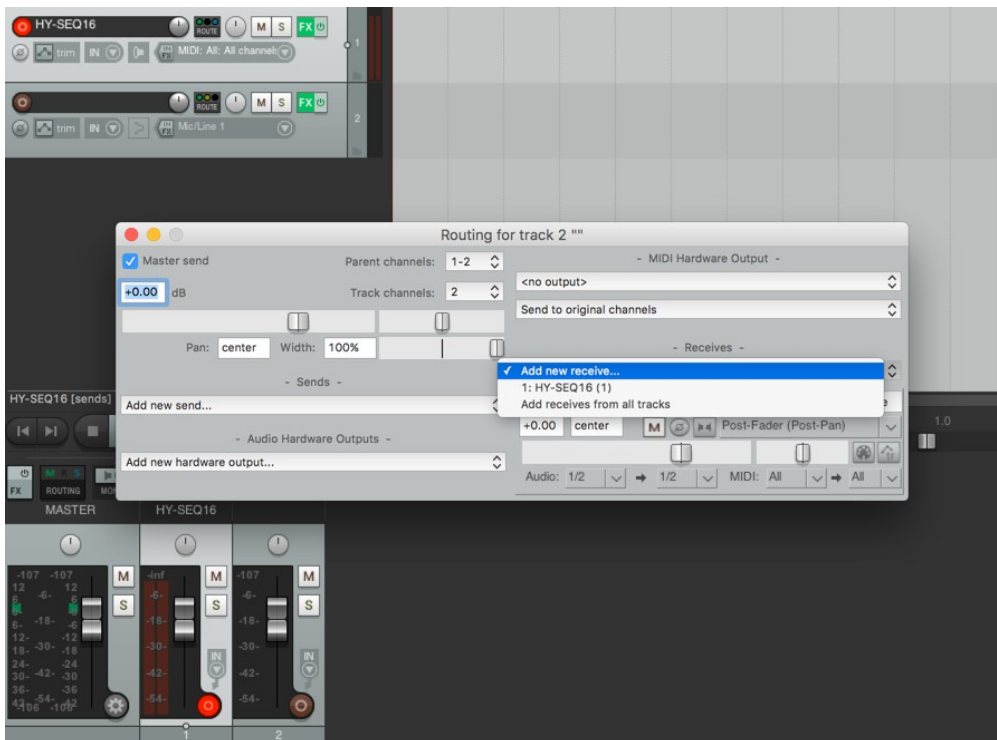
- 1, Loading HY-SEQ16x3 as instrument
- 2, making new midi track
- 3, set "Midi From" menu like picture above
- 4, turning on track aim button

Bitwig Studio



- 1, making instrument track
- 2, loading HY-SEQ16x3
- 3, inserting your instrument plugin after HY-SEQ16x3

REAPER



- 1, Loading HY-SEQ16x3 as instrument
- 2, making new instrument track
- 3, opening routing menu of new instrument track
- 4, set Receives menu HY-SEQ16x3

Studio One



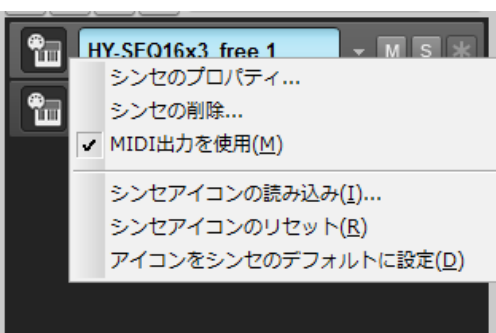
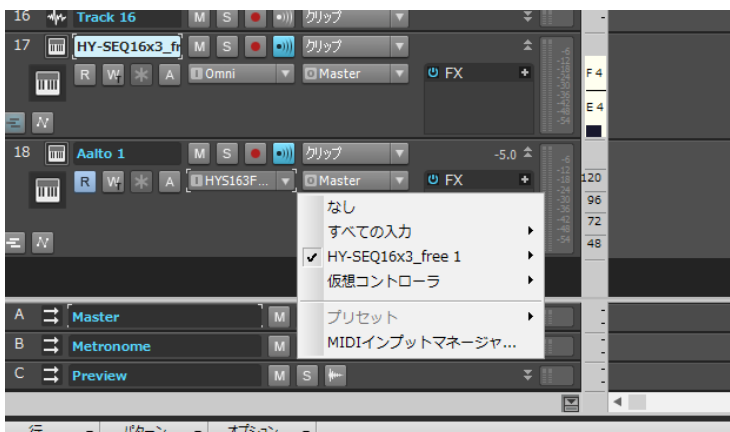
- 1, making instrument track and insert HY-SEQ16x3
- 2, making another instrument track and insert your vsti
- 3, set instrument input HY-SEQ16x3, with this setting midi output of HY-SEQ16x3 will be routed to second instrument track

Cubase



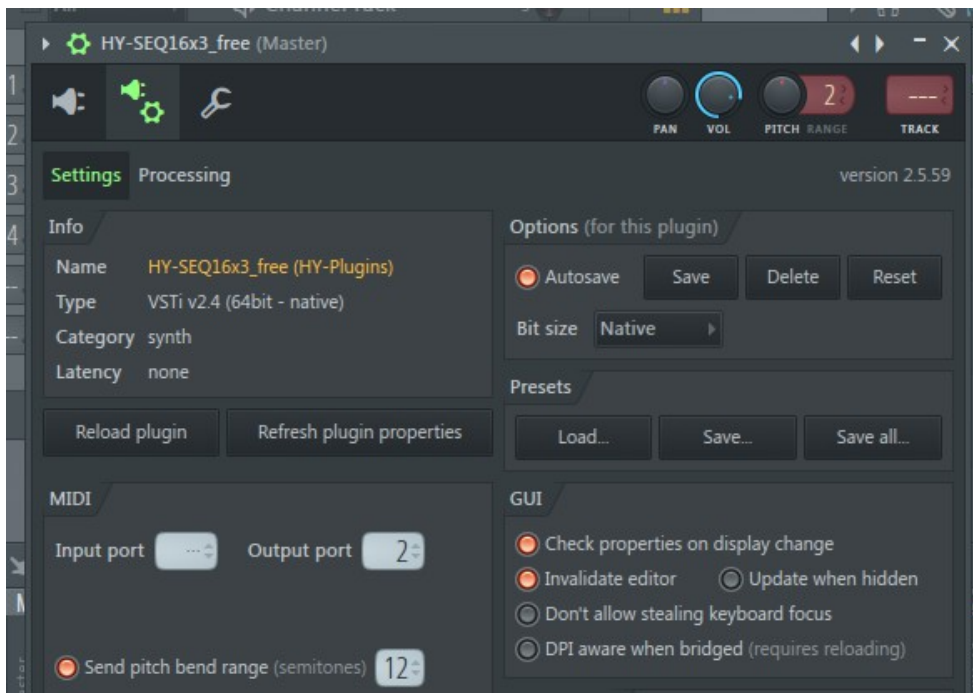
- 1, adding instrument track and inserting HY-SEQ16x3
- 2, adding another instrument track and inserting your VSTi
- 3, set midi input menu HY-SEQ16x3

SONAR



- 1, adding instrument track and insert HY-SEQ16x3
- 2, check "Enable Midi Output" Option
- 3, adding another instrument track and insert your instrument
- 4, set midi input menu HY-SEQ16x3

Fruity Studio



- 1, inserting HY-SEQ16x3 as instrument
- 2, inserting you instrument
- 3, set Midi Output Port of HY-SEQ16x3 and Midi Input Port of your instrument same number

Tracktion



- 1, creating new track
- 2, loading HY-SEQ16x3
- 3, inserting your instrument plugin after HY-SEQ16x3

SEQ1



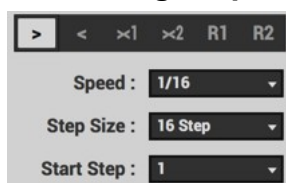
Main part of HY-SEQ16x3.
SEQ1 can be outputs midi note, velocity, gate values.

Control Panel



You can control sequencer behavior and knob values here.

Controlling Sequencer of SEQ1



">, <, ><1, ><2, R1, R2" : running directions of this sequencer unit

> = Forward

< = Backward

><1 = For/Back1, like this : 1>2>3>4>3>2>1>2

><2 = For/Back2, like this : 1>2>3>4>4>3>2>1>1>2

R1 = random1

R2 = random2(random walk)

Speed : running speed of this sequencer unit(1/32, 1/16, 1/8, 1/4, 1/2, 1/1)

Step Size: step size of this sequencer unit(2 to 16)

Start Step: start step of this sequencer unit(1 to 16)

Controlling Step Knob Values



You can control all step knob values at once by these arrow buttons.

From the left:

Arrow1 = set all step knob values 0

Arrow2 = set all step knob values -10%

Arrow3 = rotate step knob values left

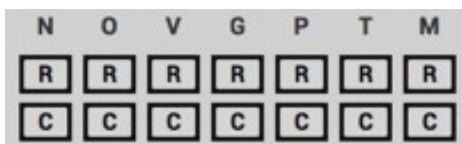
Arrow4 = set all step knob values center

Arrow5 = rotate step knob values right

Arrow6 = set all step knob values +10%

Arrow7 = set all step knob values max

Randomize/Clear Param Values



You can randomize/clear param values of SEQ1.

R = randomize

C = clear

Target Parameters:

N = midi note

O = octave

V = velocity

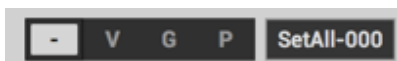
G = gate

P = probability

T = tie on/off

M = mute on/off

Set Velocity/Gate/Probability values



You can set all step values of velocity/gate/probability at once here.

“-, V, G, P” = target parameter

For example, click “V” button, then change “setall” value, velocity value of all step will be changed.

Set Output Value of Each Step

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
G#1	D1	E0	G#2	A1	A2	F#0	E0	A#1	G2	A#0	F#1	B1	B0	D#2	D#1
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
V-100	V-100	V-100	V-100	V-100	V-100	V-100	V-100	V-100	V-100	V-100	V-100	V-100	V-100	V-100	V-100
G-053%	G-063%	G-019%	G-086%	G-025%	G-096%	G-024%	G-071%	G-002%	G-062%	G-093%	G-087%	G-023%	G-042%	G-021%	G-086%
P-073%	P-097%	P-065%	P-074%	P-020%	P-035%	P-011%	P-041%	P-096%	P-061%	P-089%	P-078%	P-057%	P-026%	P-093%	P-045%
Tie	Tie	Tie	Tie	Tie	Tie	Tie	Tie	Tie	Tie	Tie	Tie	Tie	Tie	Tie	Tie
Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute	Mute
R C	R C	R C	R C	R C	R C	R C	R C	R C	R C	R C	R C	R C	R C	R C	R C

You can set output value of each step here.

Knob = controlling output midi note

Square boxes = step octave(-1, 0, +1)

V = velocity level(0 to 127)

G = gate time(0 to 100%)

P = trigger probability of each step(0 to 100%)

Tie = midi note tie on/off

Mute = mute on/off

R/C = randomize/clear step param values

SEQ2/3

Target parameter of these sequencer units is assignable.
 You can assign target parameter at SEQ setting section.

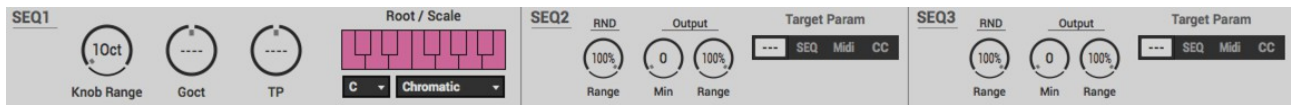
Knob = defines output value of each step

On/Off Button = step on/off,

Example:

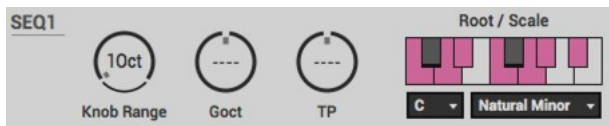
If on/off switch of step 3 is off, previous "on" step value will be output at step 3.

SEQ Settings



Clicking “**SEQ Settings**” tab, this panel will show up.

For SEQ1



Knob Range = value range of step knobs(1 to 5 octave)

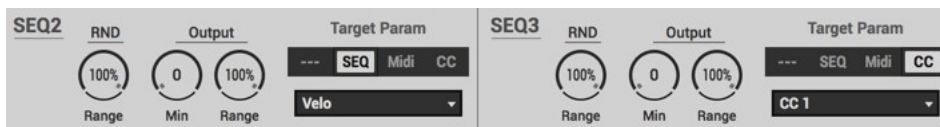
Goct = global octave value(-2 to +2)

TP = transpose(+/- 12 semitones)

Root = root note

Scale = output midi note will be scaled based on this setting

For SEQ2/3



You can assign target parameter of SEQ2/3 here.

Rnd Range = range of randomize(0 to 100%)

Output Min = minimum output value of SEQ2/3

Output Range = output value range of SEQ2/3

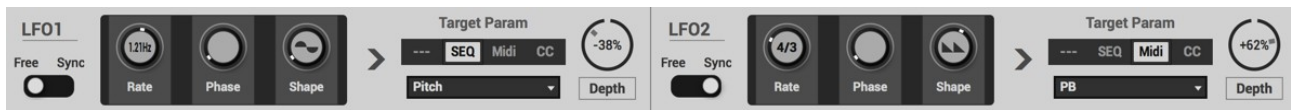
Target Parameters:

SEQ = velo, gate, prob

Midi = ModWheel, PitchBend

CC = midi cc

LFO Panel



There are 2 LFO units available.
Target parameter of LFO unit is assignable.

LFO Parameters:

Free/Sync = LFO rate free/sync
Rate Knob = lfo rate
Phase Knob = phase offset
Shape Knob = waveform shape

Target Param:

SEQ:

Pitch = modulating pitch value
Velo = modulating velocity value
Gate = modulating gate value
Prob = modulating probability value
SEQ2 = modulating output value of SEQ2
SEQ3 = modulating output value of SEQ3

Midi:

MW = modulating modwheel value
PB = modulating pitchbend value

CC:

modulating midi cc value

Depth = modulation depth(-100 to 100%)

Midi Panel



Out CH Knob = output channel

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