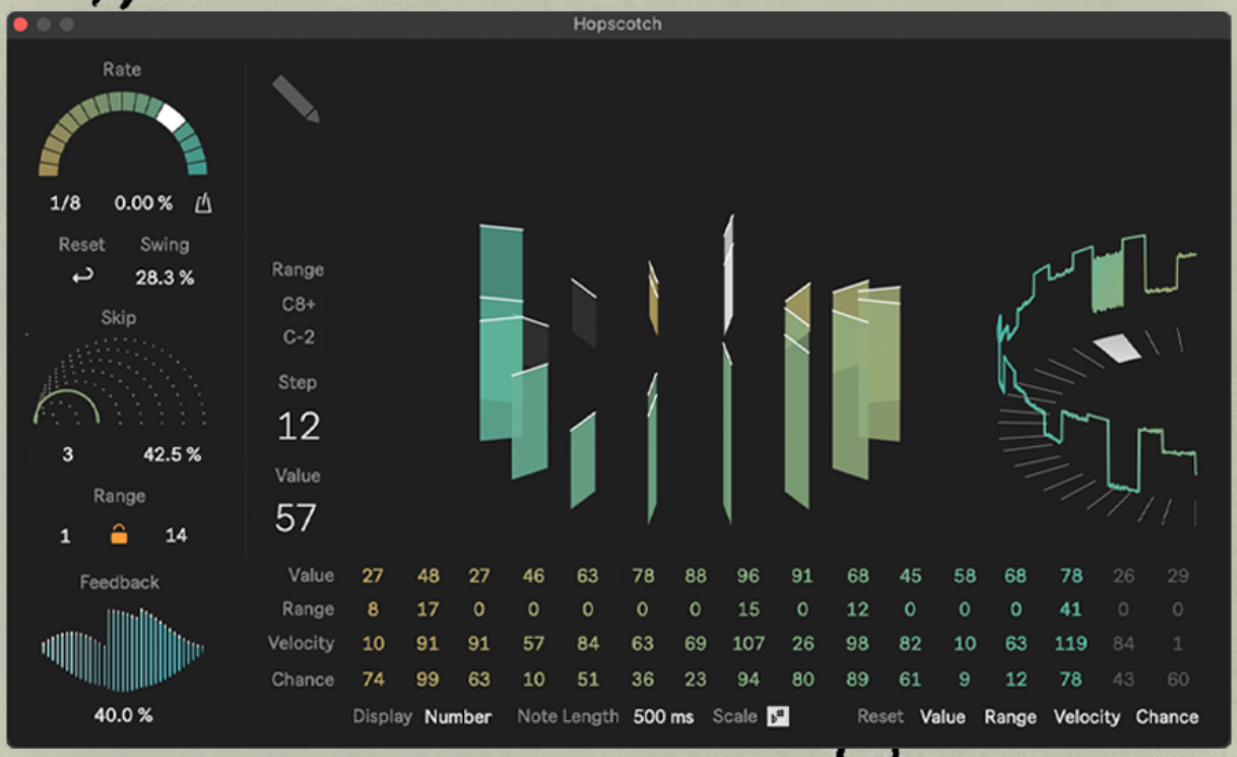


Hopscotch

Max for Live Device | User Guide

Rainbow Circuit

Version 1.0 | Edited April 11th, 2026

www.rainbowcircuit.co

Rainbow Circuit

This is the beginning of sadness, I say to myself, as I
walk through the universe in my sneakers.
It is time to say good-bye to my imaginary friends,
time to turn the first big number.

"On Turning Ten" – Billy Collins

Installation

Unzip the .amxd file and drop the file to the following: ableton/user library/presets/midi effect/max midi effect.

Hopscotch Overview

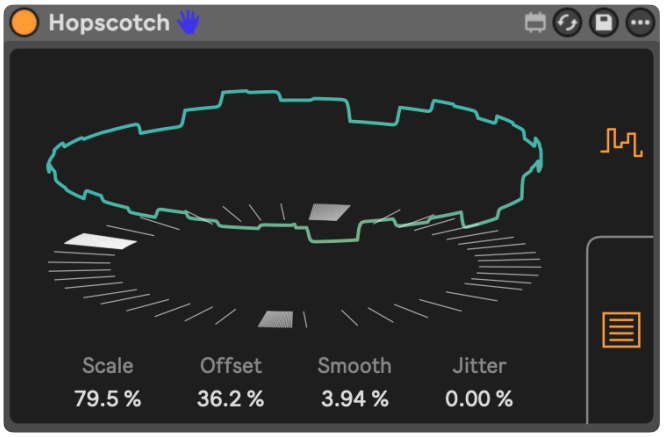
Hopscotch is a step sequencer and modulator Max for Live device.

Sequencers can do many things, a walking through pattern repetition and variation.

Hopscotch is jumping over dry chalk over asphalt — its architecture borrows from modular feedback techniques and no input mixing for a a sequencer that drifts in and out, skips predictably at unpredictable intervals, and ricochets violently on occasion.

Playing gentle or not, Hopscotch is a sequencer that pushes form forward — playing itself out into the unfamiliar in a one-legged wobble, trying not to scrape its knees.

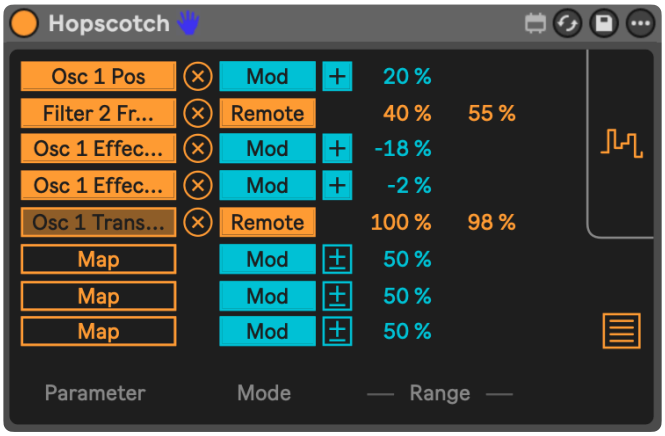
Signal Controls



The **scale** control can attenuate or invert up to 500%, while the **offset** control shifts the center point of the control signal.

The **smooth** parameter adds slew limiting, rounding out the hard edges, while **jitter** introduces small amounts of randomness.

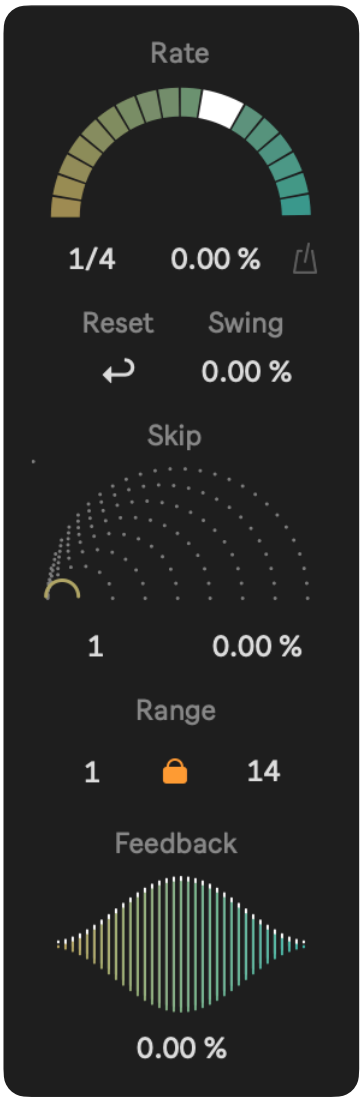
Mapping Controls



Parameter mapping in Hopscotch follows the same convention as all of Lives modulators. Clicking on map, followed by the destination control will map Hopscotch to the parameter.

In **mod** mode, the parameter will still be controllable by the mouse. On **remote** mode, the parameter will be overridden by Hopscotch, disabling other interactions.

Sequencer Controls



Rate – the sequencer's clock rate. Step values can feed back to modulate the rate in real time. Enabling **feedback quantization** tethers the feedback to the host tempo, keeping the sequencer from drifting away.

Reset – a MIDI-mappable trigger that snaps the sequencer to its start position.

Swing – set the sequencer to swing at positive values, and shuffle at negative values.

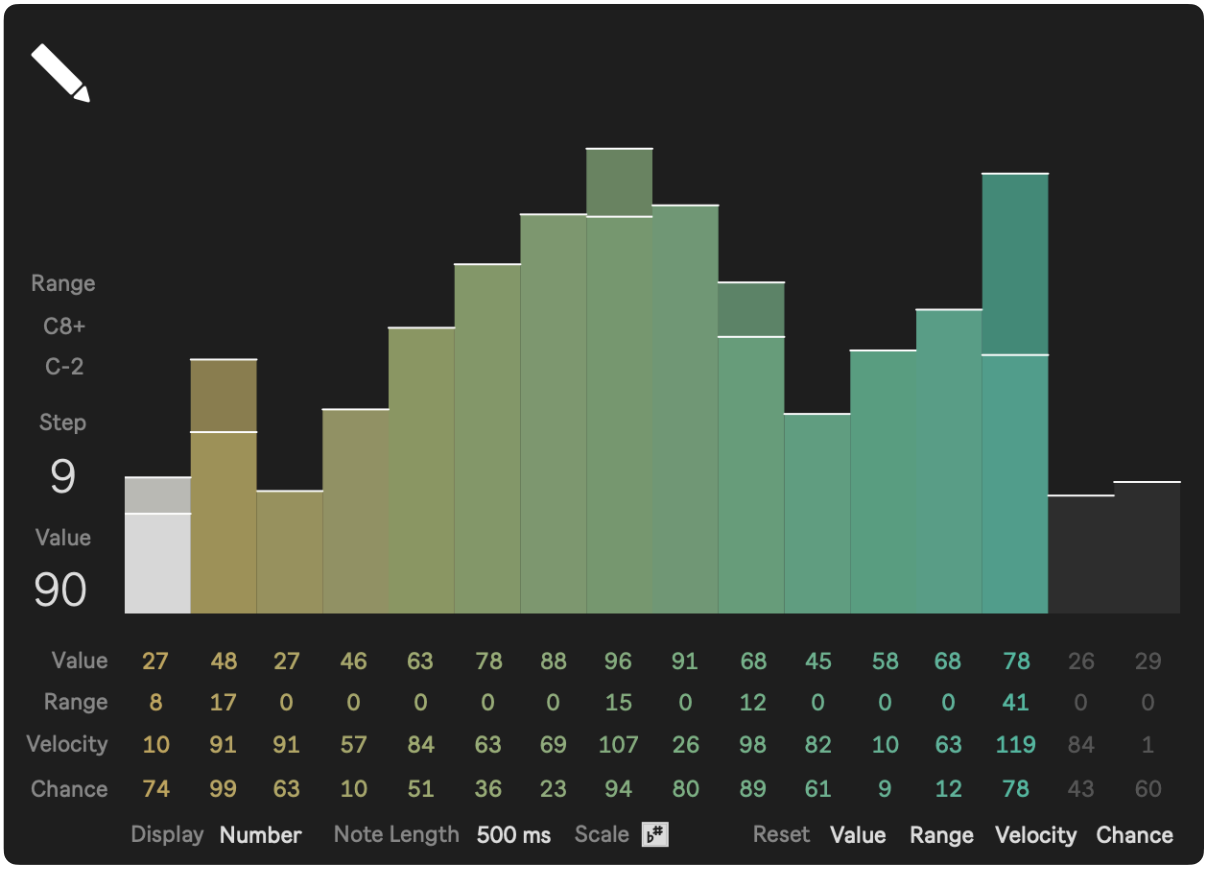
Skip – sets the step increment. Negative values run the sequencer in reverse. Like Rate, this parameter can also receive **feedback** from step values.

Range – sets the minimum and maximum count of the sequencer. When the **range lock** is enabled the two controls move together.

Feedback – routes step values back into the step count, causing the sequencer to ricochet unpredictably off its own output.

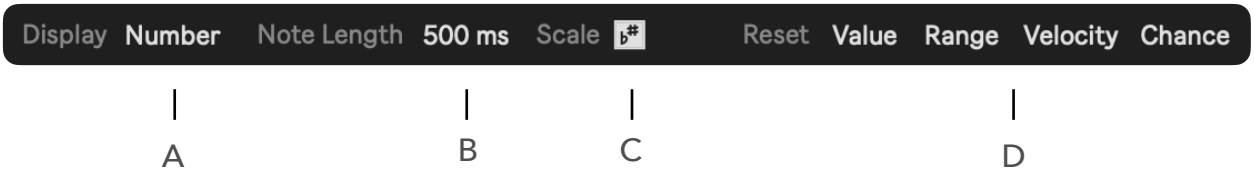
Step Controls

Hopscotch's step controls provide an easy click-and-drag editor for each step's value, range, velocity, and chance. Command-dragging on the step value sets the available range, allowing for strict repetition or a controlled gradient variation.



The step editors range can be limited to specific octaves for a carefree clicking and dragging of values.

The bottom row provide quality of life controls:

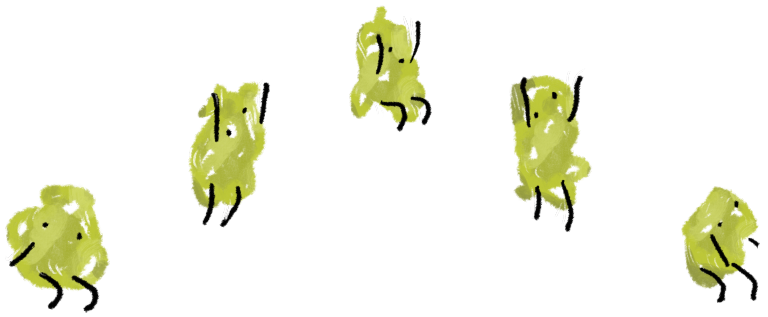


A – sequencer values can be displayed in either note number or note name.

B – note length determines the output MIDI note-on duration.

C – enabling scale awareness quantizes the output MIDI note pitches to the scale setting of the host set.

D – each row of the step sequencer can be randomized or reset to its default state using command-click.



Lastly

Thank you for purchasing Hopscotch. If you have any questions, comments or just want to say hi, reach out to hey@rainbowcircuit.co.

Rainbow Circuit is dedicated to creating instruments of our times. For more information, visit www.rainbowcircuit.co.

Developed by Takuma Matsui.