



# NOVEL MUSIC

## SEEDS

### Version 1.8

Tested with Live 12.0.0 / Max 8.6.0

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### V. 1.8 CHANGELOG

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Updated PDF manual to include new features and parameters.

#### **Chronology 1.8**

Support for Push 3 in both Control and Standalone Modes.

Completely rewritten timing engine with improved synchronization with Live's transport.

The Random and Reset buttons are now MIDI mappable.

Resolved an issue that prevented the device from functioning properly if loaded while Live's transport is running.

#### **Deviate 1.8**

Support for Push 3 in both Control and Standalone Modes.

The Reset, Half, and Double buttons are now MIDI mappable.

Support for Live 12's Scale Awareness feature.

#### **Hub 1.8**

Support for Push 3 in both Control and Standalone Modes.

#### **Polymath 1.8**

Support for Push 3 in both Control and Standalone Modes.

Resolved an issue that prevented the device from functioning properly if loaded while Live's transport is running.

The Reset button is now MIDI Mappable.

Support for Live 12's Scale Awareness feature.

#### **Model 1.8**

Support for Push 3 in both Control and Standalone Modes.

Resolved an issue that prevented the device from functioning properly if loaded while Live's transport is running.

The Reset button is now MIDI Mappable.

### **Relay 1.8**

Support for Push 3 in both Control and Standalone Modes.  
The Reset, Half, and Double buttons are now MIDI mappable.

### **Selfie 1.8**

Support for Push 3 in both Control and Standalone Modes.

### **Sweet 16 1.8**

Support for Push 3 in both Control and Standalone Modes.  
Completely rewritten timing engine with improved synchronization with Live's transport.  
The Reset, Half, and Double buttons are now MIDI mappable.

## V. 1.7 CHANGELOG

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Updated PDF manual to include new features and parameters.

### **Chronology 1.7**

Improved timing accuracy with Live's transport.

### **Deviate 1.7**

Fixed improperly displayed colors in dropdown menus.  
The ramp time for modulated parameters can be set to 0ms.

### **Hub 1.7**

No revisions, put version number increased for consistency across the collection.

### **Polymath 1.7**

No revisions, put version number increased for consistency across the collection.

### **Model 1.7**

No revisions, put version number increased for consistency across the collection.

### **Relay 1.7**

The Weights parameter is now automatable and mappable in Live.

### **Selfie 1.7**

No revisions, put version number increased for consistency across the collection.

### **Sweet 16 1.7**

The Weights parameter is now automatable and mappable in Live.

## V. 1.6 CHANGELOG

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Updated PDF manual to include new features and parameters.

### **Chronology 1.6**

Added 1/5, 1/10, and 1/20 divisions to the Main Clock. This allows for the creation of quintuplets.

### **Deviate 1.6**

Improved the Lock's responsiveness.

Pitch and Octave deviations are now separate controls independent of each another.

Added a Scale parameter which deviates (quantizes) incoming MIDI notes to fit within a collection of 36 built-in scales derived from Live's standard scales.

One additional mappable parameter is now available on the Mod tab, bringing the total to four.

Minor UI improvements.

Improved PUSH macros layout.

### **Hub 1.6**

Added local pitch transposition for each send and receive port, which is useful for triggering Ableton's Drum Racks or Simpler device.

### **Polymath 1.6**

Resolved an issue that caused lagging and hanging notes when navigating to different tracks within Live.

Improved the Lock's responsiveness.

Expanded the scales parameter to include all of Live's 36 standard scales.

Added an invert feature for Scale 1 and Scale 2 on each Track.

UI improvements to the Track display panel on the top righthand area of the device.

### **Model 1.6**

Resolved an issue that caused lagging and hanging notes when navigating to different tracks within Live.

Improved the Lock's responsiveness.

UI improvements to the Track display panel on the top righthand area of the device.

### **Relay 1.6**

No revisions, put version number increased for consistency across the collection.

### **Selfie 1.6**

No revisions, put version number increased for consistency across the collection.

## **Sweet 16 1.6**

Added an option for 1/10 beat divisions (8<sup>th</sup> note quintuplets) for each lane.

## V. 1.5 CHANGELOG

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Updated PDF manual to include new features and parameters.

### **Chronology 1.5**

Improved timing accuracy.

Added triplet divisions to the Main Clock.

Improved Swing algorithm with bipolar values.

Improved reset system snaps all clocks to the first step of the sequence regardless of the beat division.

Reset now properly supports time signatures with 8 and 16 denominators.

New Lock parameter that allows predictable repetitions when the Trigger is below 100%.

New HUB port system that has better compatibility for more operating systems and allows multiple streams of MIDI to be received on a single port.

### **Deviate 1.5**

Added the Reset parameter.

Fixed an issue that caused mod values 1, 2, and 3 from not being stored with a Live Set.

Resolved an issue that caused mod values 1, 2, and 3 from not being properly cleared when recalling a saved Live Set.

Restored operation of the Trigger Interval parameter.

Fixed an issue that would cause erroneous velocity values when applying negative deviations.

Repeated notes with positive duration expansions now function properly.

An unlocked memory step size of 1 will properly render random values.

### **Hub 1.5**

New system that has better compatibility for more operating systems and allows multiple streams of MIDI to be received on a single port.

Improved Push macros layout.

### **Polymath 1.5**

Efficiency improvements that yield less CPU usage.

Resolved an issue that caused mod values 1, 2, and 3 from not being properly cleared when recalling a saved Live Set.

Fixed an issue where various parameters were not recalled properly in a saved Live Set.

Added the "Position" parameter which allows the first step of the loop to be defined.

The highest value for the Duration lane is now "hold," which will hold a note indefinitely until a new note is triggered on a subsequent step.

Added "=" for all deviations (in addition to "<=")

Playback controls now include a hold (^) option to allow step changes to be moved manually (via the "Position" control) or modulated by another device.

Added local "Octave Offset" control on Push for each track.

Fixed bleeding sequencer display issue on Push when the Scales menu is selected.

Reset now properly supports time signatures with 8 and 16 denominators.

New refinements to the Push layout (see manual for details).

New HUB port system that has better compatibility for more operating systems and allows multiple streams of MIDI to be received on a single port.

### **Model 1.5**

Efficiency improvements that yield less CPU usage.

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Added "=" for all deviations (in addition to "<=")

Playback controls now include a hold (^) option to allow step changes to be moved manually (via the "Position" control) or modulated by another device.

New refinements to the Push layout (see manual for details).

Added local "Octave Offset" control on Push for each track.

Reset now properly supports time signatures with 8 and 16 denominators.

Added support for Selfie's global Lock, Trigger, and Reset.

New HUB port system that has better compatibility for more operating systems and allows multiple streams of MIDI to be received on a single port.

### **Relay 1.5**

Added further refinements to the Reset parameter.

Reset now properly supports time signatures with 8 and 16 denominators.

Each port now has individually assigned Repeat settings in Fixed Mode.

Added an Auto Memory Size parameter that automatically resizes the memory buffer to match the total number (sum) of repeats generated in Fixed Mode.

Restored operation of the Trigger Interval parameter.

New HUB port system that has better compatibility for more operating systems and allows multiple streams of MIDI to be received on a single port.

Improved Push macros layout.

### **Selfie 1.5**

New HUB port system that has better compatibility for more operating systems and allows multiple streams of MIDI to be received on a single port.

### **Sweet 16 1.5**

Added further refinements to the Reset parameter.

Reset now properly supports time signatures with 8 and 16 denominators.

Each port now has individually assigned Repeat settings in Fixed Mode.

Added an Auto Pattern Length parameter that automatically resizes the pattern length to match the total number (sum) of repeats generated in Fixed Mode.

New HUB port system that has better compatibility for more operating systems and allows multiple streams of MIDI to be received on a single port.

The maximum number of steps in the pattern buffer is now 128.

Added an option for 1/12 beat divisions for each lane.

Improved Push macros layout.

## **V. 1.1 CHANGELOG**

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Added a PDF manual for the entire collection

### **Chronology 1.1**

Fixed a bug that sometimes caused output to be silent when Live's transport is started

Added support for Selfie's new preset management system

### **Deviate 1.2**

Fixed a bug that dropped notes from the memory buffer when adding or removing tracks

Expanded the range of ratchets to a maximum of 16x

Added support for Selfie's new preset management system

### **Hub 1.1**

Improved Push menu navigation

Added support for Selfie's new preset management system

### **Polymath 1.1**

Fixed a bug that prevented Live from exporting the output of the device

UI refinements to track navigation

Expanded the range of ratchets to a maximum of 16x

Improved custom Push pad layout

Added support for Selfie's new preset management system

### **Model 1.1**

Fixed a bug that prevented Live from exporting the output of the device

UI refinements to track navigation

Expanded the range of ratchets to a maximum of 16x

Improved custom Push pad layout

Added support for Selfie's new preset management system

### **Relay 1.1**

Fixed a bug that dropped notes from the memory buffer when adding or removing tracks

Added support for Selfie's new preset management system

### **Selfie 1.1**

Added the option to filter out individual SEEDS devices when storing a preset: this option is dynamic and can be assigned per preset

Improved visualization of currently stored presets

### **Sweet 16 1.1**

Added 0.5/16 rate option for each clock (was previously only 1/16 to 16/16)

Minor UI updates

Added support for Selfie's new preset management system