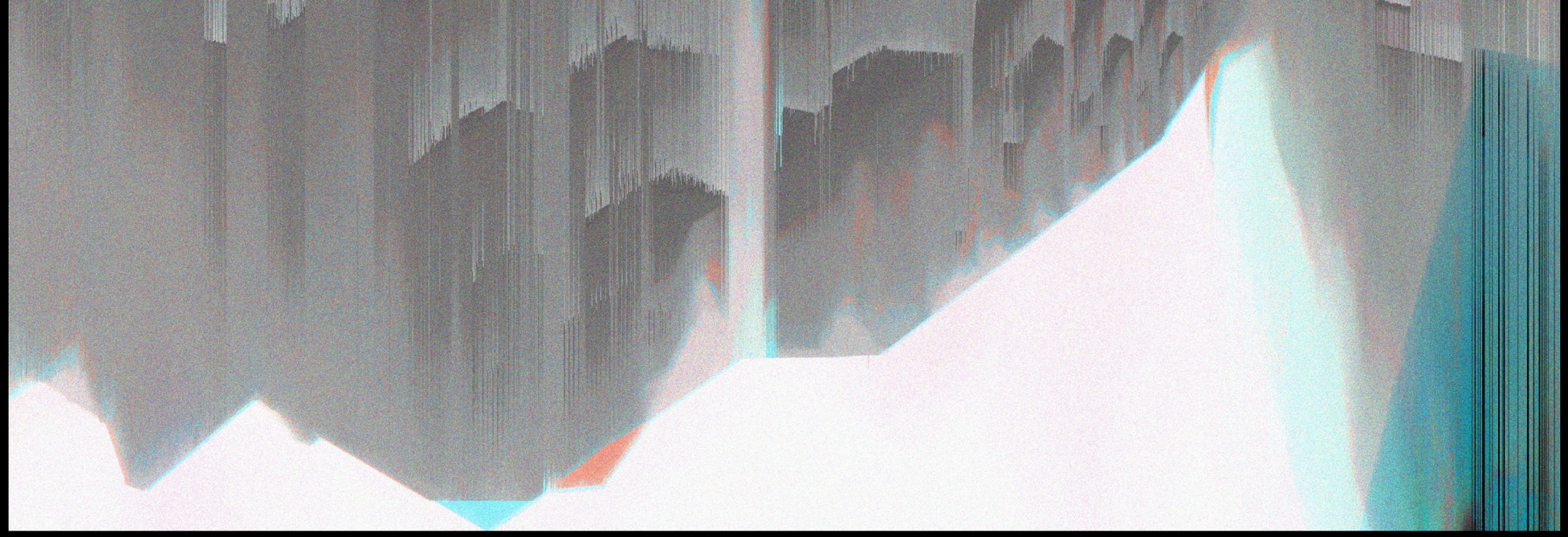
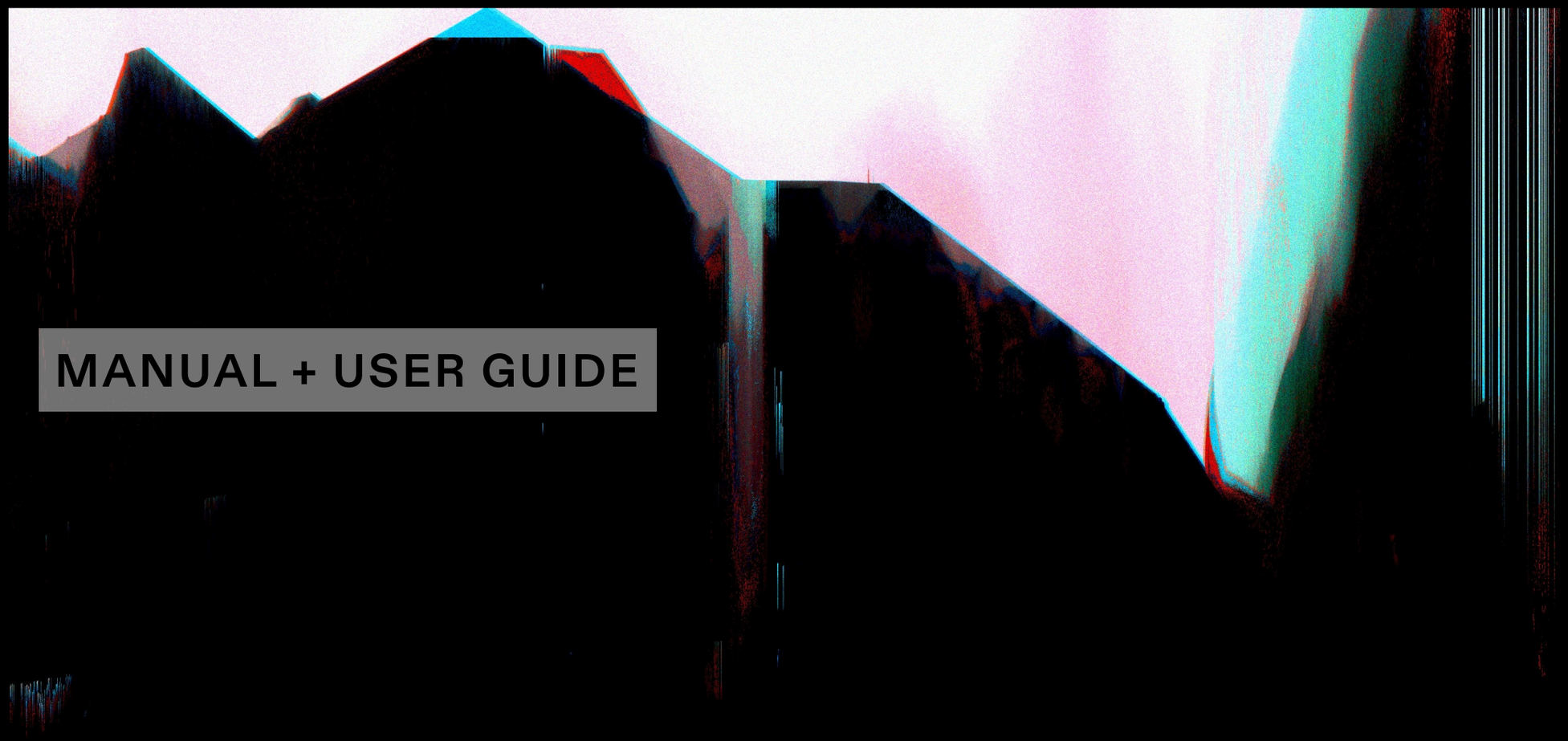


# X-LOOPER



## MANUAL + USER GUIDE

# X-Looper

## Obligatory Legal Stuff

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# X-Looper

## Important Info

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This device requires Live 10 or Live 10 Suite with Max for Live installed; we strongly recommend Live 10.1.x or higher with Max 8.5.x or higher.

X-Looper is a MIDI effect, which means it must be placed prior to instruments on MIDI tracks. However, it does not generate MIDI on its own. Once placed on a MIDI track, it must then receive MIDI played in real-time or via MIDI clips in order to capture, process, and play back MIDI loops.

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# X-Looper

## Installation Instructions

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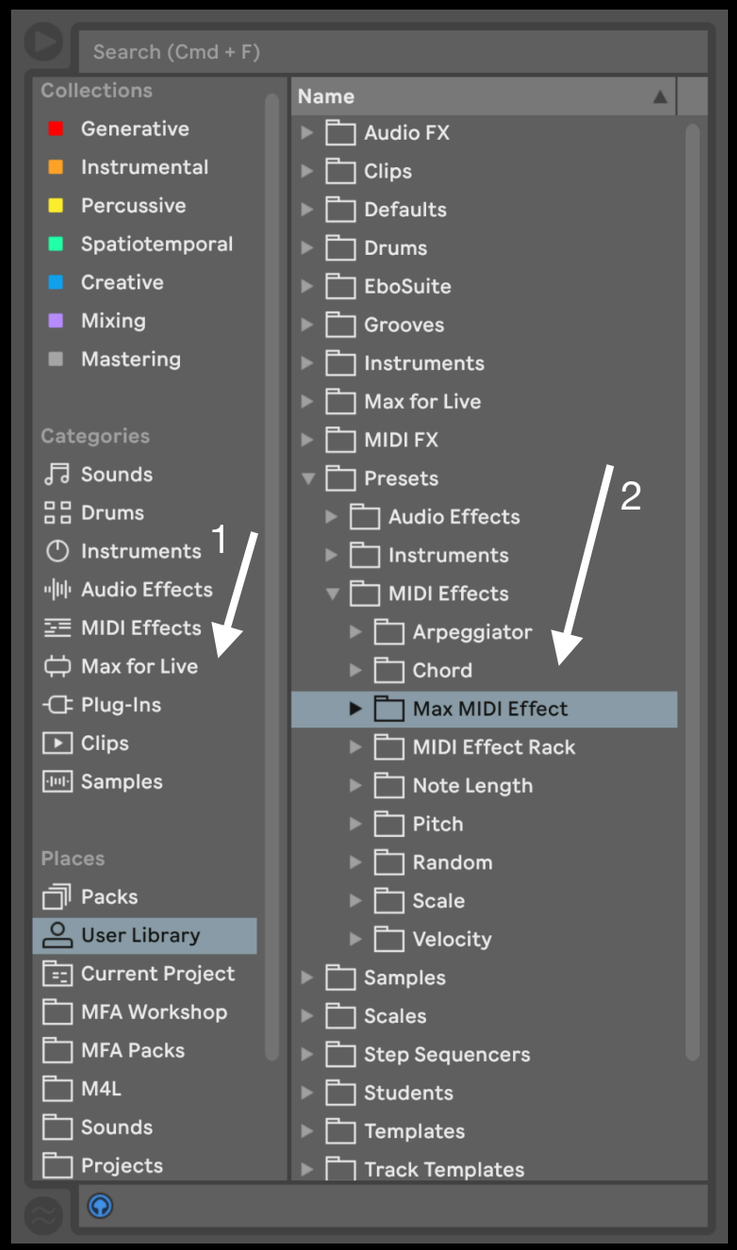


To install X-Looper, first double-click to decompress the ZIP archive it arrived in. Presumably you've already done this, because you're reading the manual, also included in said ZIP — good job!

From Finder (macOS) or Explorer (Windows), drag the X-Looper folder to the User Library in the Places section of Live's Browser (Arrow 1 pictured left). This will copy the required files to your User Library. We recommend dragging it to the Max MIDI Effect subfolder of the User Library MIDI Effects folder (Arrow 2 pictured left).

Once installed, we might humbly suggest adding it to an appropriate Browser Collection, if applicable.

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# X-Looper

## Device Overview

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A creative MIDI utility, X-Looper allows for instantaneous capture and manipulation of MIDI in a variety of unique ways.

Capture musical ideas on the fly by punching in and out manually or at predetermined intervals in bars. Intensify or reduce the velocity, flexibly alter the playback speed, add a flexible offset delay, overdub new notes in, play looped notes in reverse, and even invert their pitches across the keyboard.

Transpose the looped material internally within 69 scales in any key which are fully scale aware in Live 12, or can be set locally or via the included Global Hub utility for Live 10 or 11. You can transpose your loop via real-time MIDI input, solo'd or gated, and manually rewind the loop to the start. Finally, you can export your loop as a MIDI file for use in any DAW.

X-Looper is fully Info View annotated, optimized for Push, and compatible with Push 3 Standalone.

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# X-Looper

## Visual Guide

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**1** · These are the **Loop** controls. Determine whether loop plays back regardless of input in Free mode, only along with incoming MIDI input in Gate mode, between MIDI input in Side mode, or disable recording and enable MIDI Receive with Arp mode to retrigger, transpose, and gate your recorded loops via MIDI keyboard. Toggle between forward and reverse loop playback, or flip MIDI note pitches across the keyboard. Set the loop recording time at a fixed interval in bars, or set it below 1 to try the experimental Manual or Adapt modes which punch in and out of recording with optional quantization. Play or pause your loop — and enable overdub to add new notes to an existing loop while recording. The A button enables auto-record in eligible modes to automatically start overdubbing as soon as new notes are played; enable Auto Punch-Out to exit recording as soon as the loop length is recorded. A play counter shows the current play cycle and can be clicked to flush stuck notes if necessary. Finally, the loop playback rate can be adjusted in percent, or multiplied and divided with beat quantization.

2 · Here we find the **Performance** section. First, this is where we can enable recording. Next to this we have the Loop divider for DJ-style performance shortening. Then, engage auto-shuffle with the rightmost button to begin remixing your loop by randomly triggering divisions split with the number slider just left. Beneath the loop counter we have rate controls: in unquantified percentage, multiplier, or divider, along with a manual reset.

**3** · This section contains the **Offset** controls. MIDI output can be delayed by a base rate with multiplier and divider. The default multiplier of zero will result in no offset. A millisecond offset can be added in addition to these. At the upper left, use the seek button to offset the start point within the loop by 16n divisions.

**4** · These are the **File** and **Replace** controls. Click save to export the current loop as a MIDI file for use in Live or any DAW, load a loop into the current Index, or save or load an Index of up to 512 loops, or click Clear to erase the current MIDI loop data. Select a new Index to record a new loop, or to change between recorded loops in real-time. Use the toggle with the lightning symbol at left to enter Replace mode to momentarily record over sections of the current loop.

**5** · Here we have the **Output** controls. Open the optional MIDI viewer to see incoming and outgoing MIDI as two separate streams. Exaggerate or diminish output velocity with the Intensity control. Merge looped output with incoming MIDI, Solo looped output only (while still receiving muted MIDI for loop recording), or automatically play incoming MIDI only while recording but solo during playback in Exclusive mode. Toggle from Internal to Receive to transpose the MIDI loop with incoming MIDI, and manually transpose it in semitones and octaves. In default Global mode X-Looper inherits the scale and key from the included Global Hub utility, or in Live 12 or higher, from the set scale and key of the set; toggle to Local pin mode to ignore external scale and key settings and save it as specified in the device. Finally, MIDI note output can be sustained indefinitely with the Hold toggle.

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# X-Looper

Example

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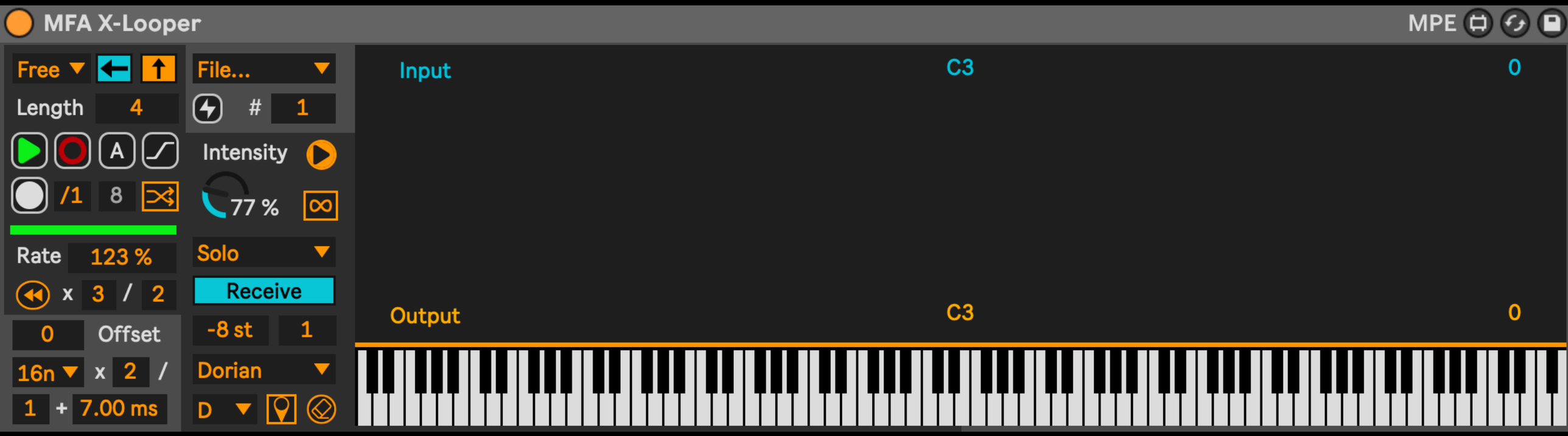


## EXAMPLE

X-Looper is in playing a 4-bar loop freely in reverse, at 23% faster than 1.5 times (x 3 / 2) the original speed. Output is delayed by one eighth note (16n x 2 / 1) plus 7 milliseconds. It will play back at 77% of the velocity it was recorded, and will receive MIDI transposition and also overdub from MIDI input while recording — but only output looped notes in Solo mode. All pitch output will be transposed 8 semitones below, one octave up, and forced to a locally-pinned Dorian scale in the key of D.

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# X-Looper

## FAQ

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***Why do notes play so much longer in reverse mode?***

In reverse mode, note on messages and note off messages are reversed, decoupling them from their initial relationships; in many cases this can result in a note on message not having a corresponding note off for a much longer period than the way it was recorded in normal playback.

***X-Looper's scale and key are not stored with my Live Set or saved presets — why?***

By default, X-Looper is in Global scale and key mode, so it will inherit the scale and key from Live 12 or any instance of the included Global Hub, which will be stored with your Live Set. To ignore Global Hub settings or to ensure scale and key are saved independently with your Live Sets or presets, simply toggle from Global scale mode to pin these settings locally.

***I don't want X-Looper to conform to Live 12 or Global Hub's scale and key — is this possible?***

Any device that can be impacted by Global Hub has a Global toggle; click this to pin the scale and key to Local X-Looper settings. Toggling from Local back to Global mode will automatically and instantly force the device to inherit Live 12 or Global Hub settings.

***X-Looper looks small — how do I make it bigger?***

In the Look Feel tab of Live's Preferences pane, increase the Zoom Display percentage slider to 125% or 150%.

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