

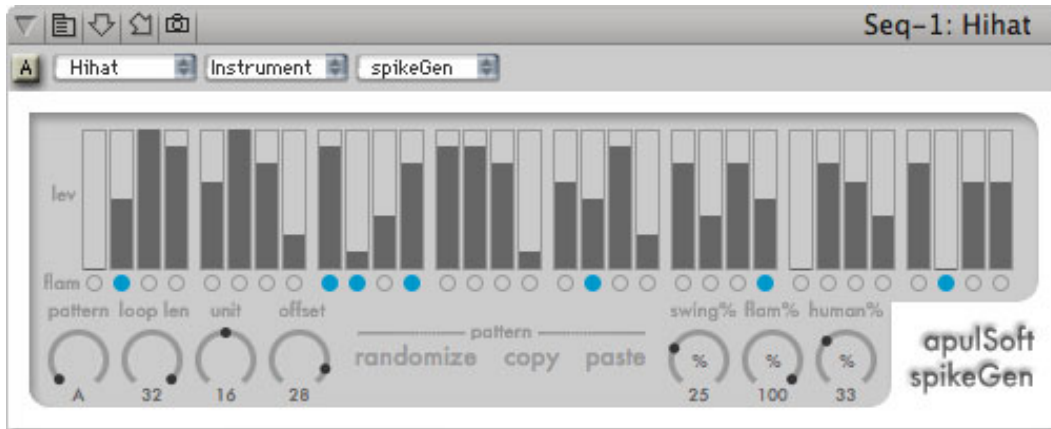
apulSoft spikeGen v1.1.1 Manual

spike sequence generator instrument



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Introduction



apulSoft spikeGen is a free add-on to apulSoft apTrigga. It serves as a source of trigger events (spikes in that case) that can be used with apTrigga. Together, the two plugins are a nice one channel drum machine, which works like a step-sequencer.

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2 Installation

- Install apTrigga2 or apTrigga2demo. spikeGen will be installed as part of the installation.

3 Plugin Description

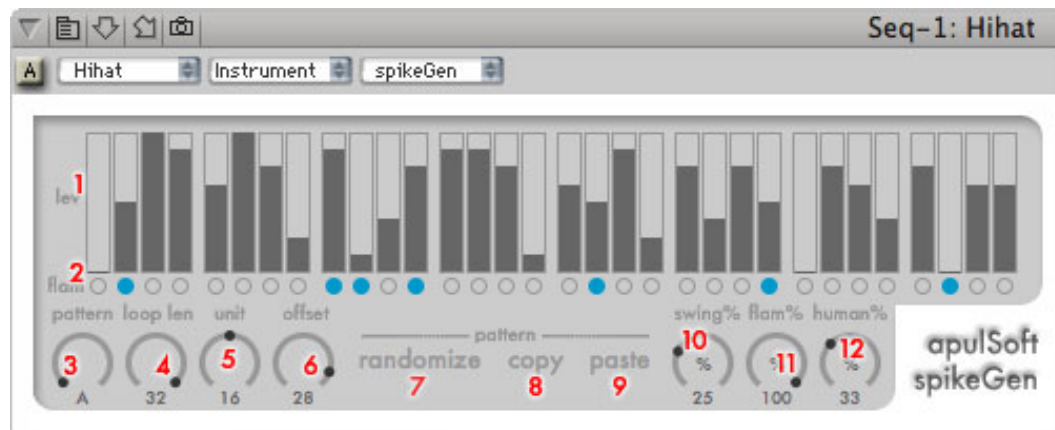
3.1 General Notes

apulSoft spikeGen AU is supplied as an audio instrument to work around plugin muting in some hosts. It does not respond to midi events of any kind. The VST version is supplied as an insert effect, as there are VST hosts which do not support VSTi plug-ins and VST hosts seem to mute plug-ins less often.

spikeGen synchronizes to the host clock beat-wise. It does not read time signature changes and the like. It does not work with hosts which do not provide a beat-clock to the plugin.

Special note for Digital Performer users: Digital Performer sends a value of 1 for the first beat of a tune. Other hosts send a 0. That's why spikeGen won't start at the beginning of the pattern with default settings. The problem can be compensated with the offset button of spikeGen.

3.2 Controls

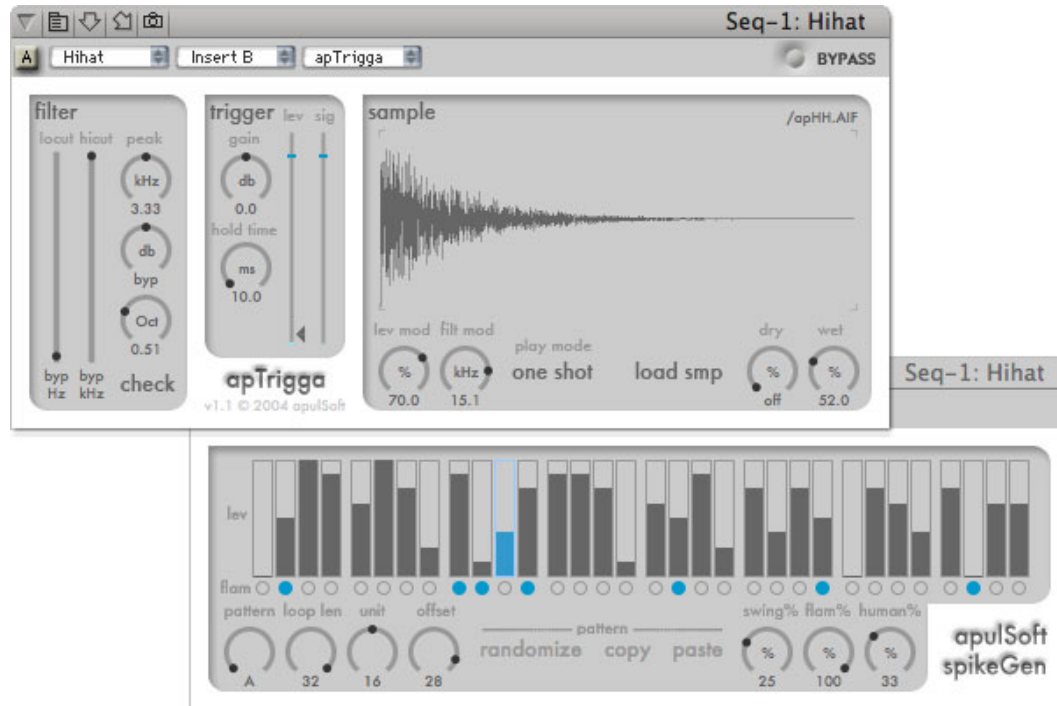


All sliders and knobs can be clicked and dragged up & down with the mouse.

1. Step level faders. Enter your rhythm here. If shift is hold down while changing a value, the value will be quantized in 8 steps.

2. Flam switches. Select on which steps of the pattern you wish a flam (double hit) to occur.
3. Pattern select. Select the currently edited and played pattern. There are 16 patterns. (A-P)
4. Pattern length. After this number of steps, the pattern is repeated.
5. Rhythm unit. Determines the length of a step in musical terms (4=quarter notes, 16T=sixteenth triplets)
6. Step Offset. The amount of steps the pattern is shifted against the sequencer clock. Users of Digital Performer have to use this to make up for the beat shift of the performer clock. It's also useful if you want to do odd meter patterns or to play around with your groove.
7. Randomize. Press this to generate a random pattern. This always produces quantized values.
8. Copy Pattern. This copies the actual pattern to a clipboard.
9. Paste Pattern. Pastes the copied pattern. Note: It will only work in the same plugin as copy pattern has been pressed. To copy between instances of the plugin, use the hosts plugin preset functions.
10. Swing percentage. The amount of delay applied to every other step. 0 percent means even steps, 100 percent means the odd steps are three times as long as the even ones.
11. Flam percentage. This reflects the time distance between the two hits of a flam. If set to 100 percent, the flams are exactly twice as fast as the steps. If set to a very low value, the flams might become inhearable.
12. Human percentage. The intensity of a random number generator added to every step. Move this to 0 to get sample accurate machine-timing.

3.3 Using spikeGen with apTrigga



To get the best results when combining spikeGen with apTrigga, apTrigga has to be set up the right way as shown in the above picture.

- The filter section should be completely bypassed.
- The hold time should be set to the minimum (10 ms) to be able to catch flams.
- Trigger gain should be set to 0.0 db.
- The threshold level can be moved to one pixel above the minimum, as spikeGen produces totally clean single-sample spikes. The signal and the level meter should show exactly the same thing.
- lev mod and filt mod can be used to make the different levels in spikeGen produce some result audiowise.
- the dry level should be set to 0 (off) as you will not want to hear the spikes.
- the wet level can be used to make up for different volumes of samples.

4 Changelog

- Version 1.0
 - Initial release.
- Version 1.1
 - Universal binary for ppc and intel macs.
 - Performance improvements on windows machines
 - VST version is now a VSTi
- Version 1.1.1
 - Less .dll dependencies on windows
 - Added AU icon (supported in plasq.com's Rax)