PARAFILTER III SEQUENCER

Re Rack Extension

USER MANUAL
ENGLISH

APPENDIX

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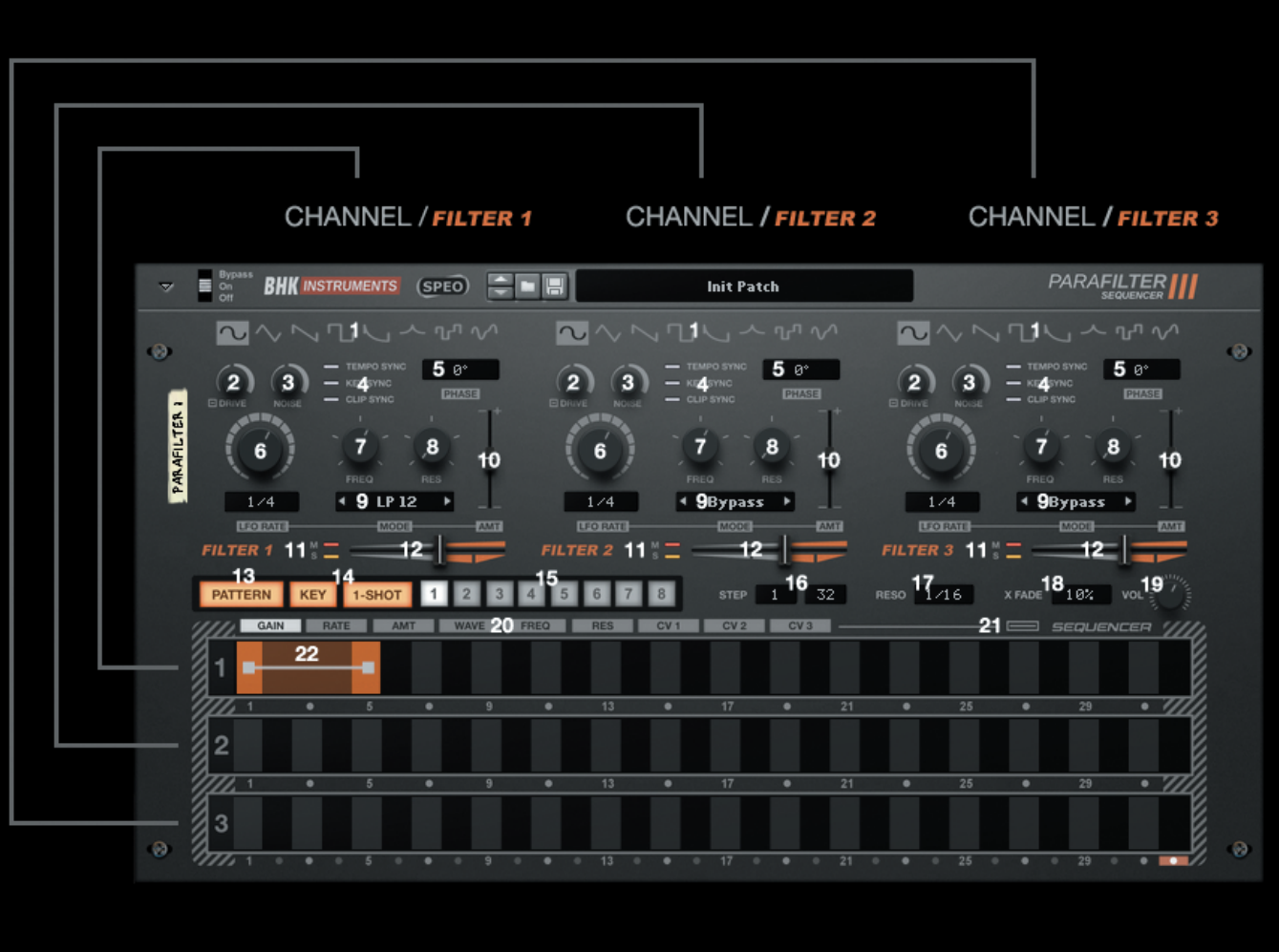
1

PARAMETER/CONTROLLER



1	LFO Waveform
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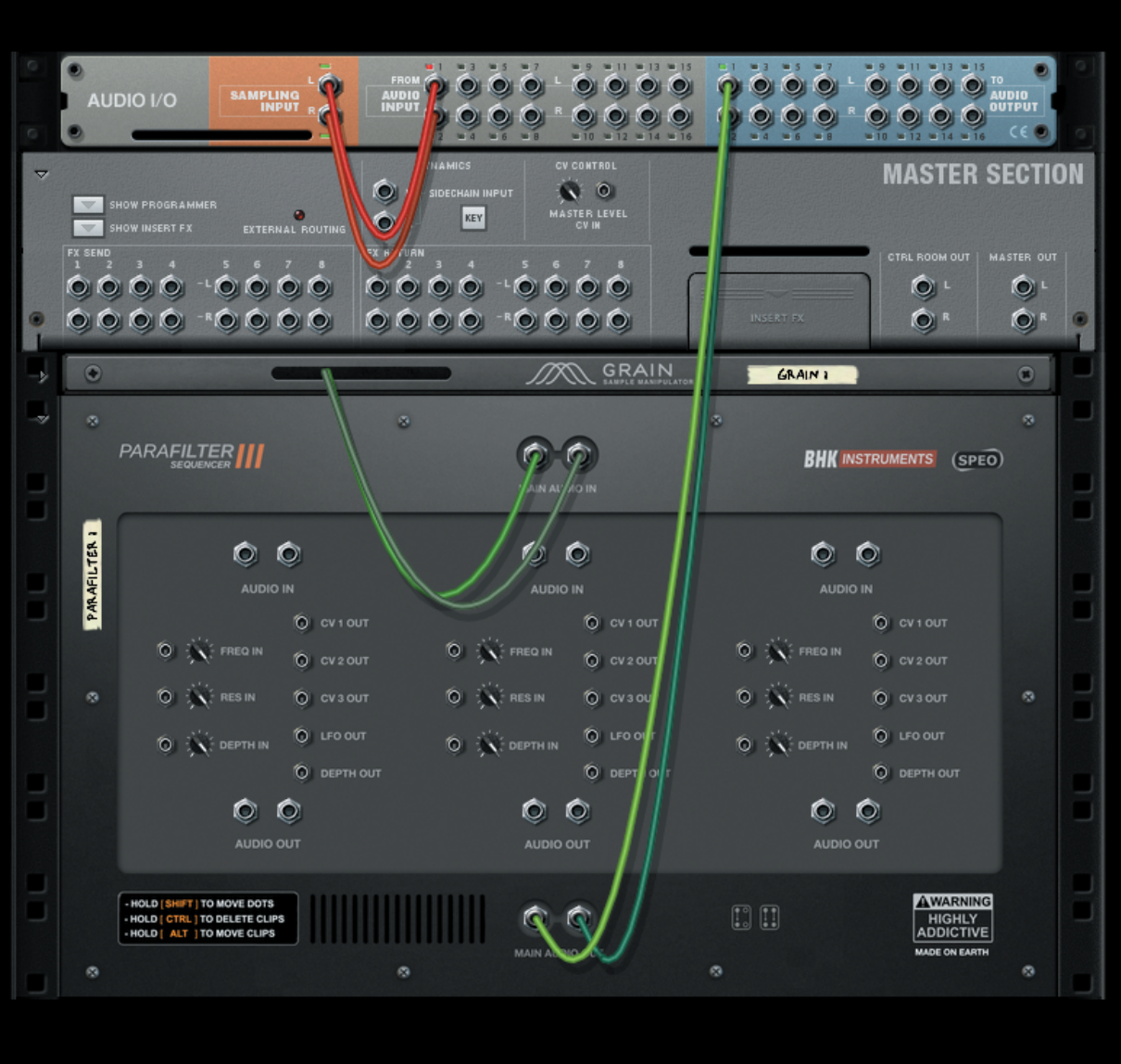
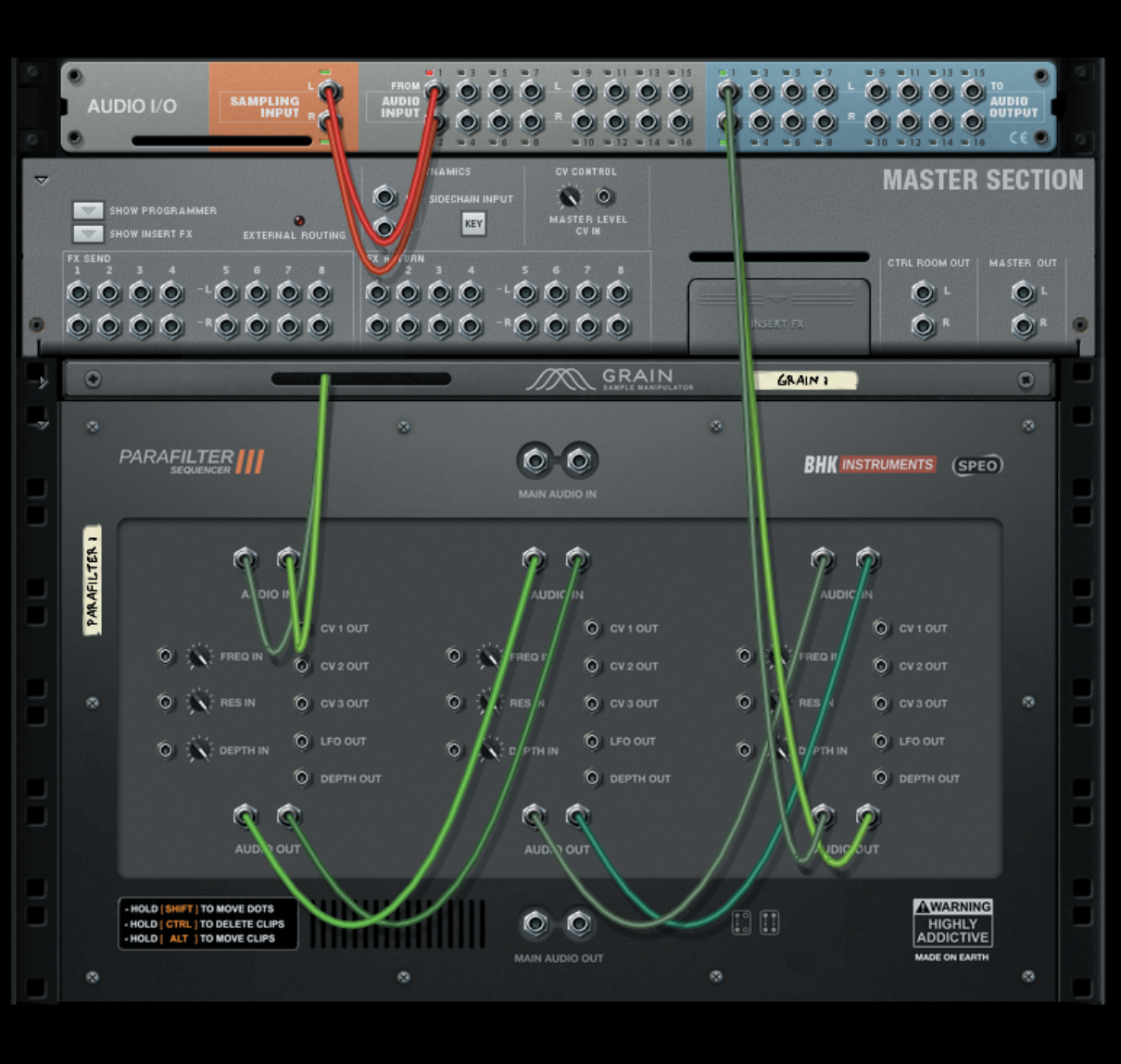
AUDIO & CV CONNECTIONS



MAIN AUDIO IN & OUT CONNECTION

Audio signals connected to main audio In & out are internally splitted to all three channels.

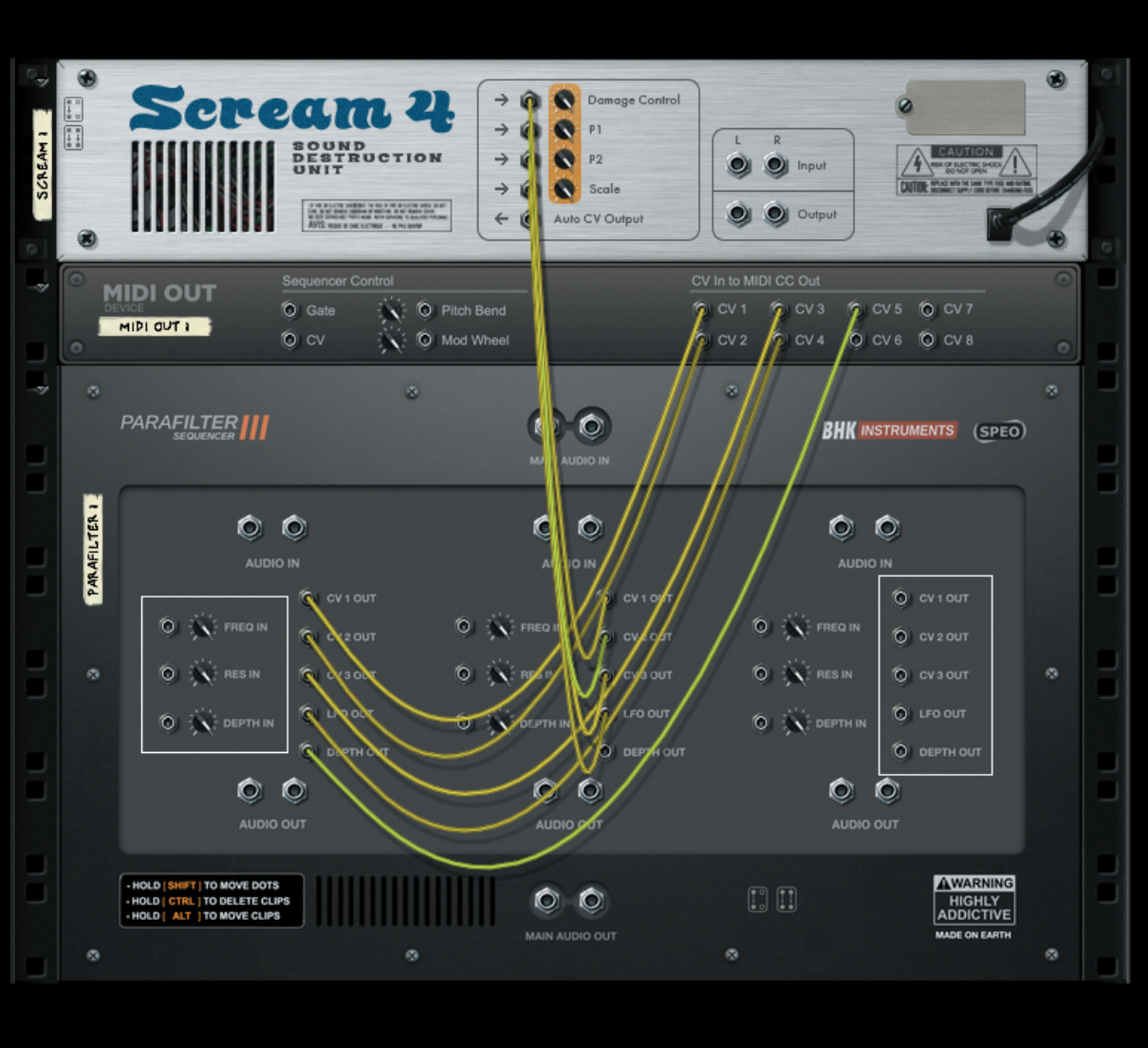


CHANNEL AUDIO IN & OUT CONNECTIONS

The individual audio inputs and audio outputs of the channels enable a serial signal processing, as well as the signal processing of various Audio sources at the same time.

In addition, main audio in signals can also be send out through the individual audio outputs.

The same applies vice versa. The signal input by the individual audio in connections can also be send out by the main audio output.



CV CONNECTIONS

On the back you will find three CV inputs on the left, each for controlling Parafilter parameterslike filter frequency, filter resonance and LFO Depth/Amt via external devices.

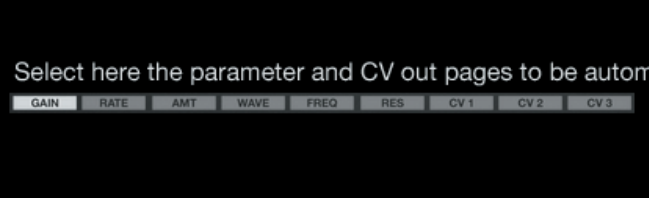
And 15 sequencer CV outputs (on the right) for automating and triggering CV in connections of external software or hardware devices.

3

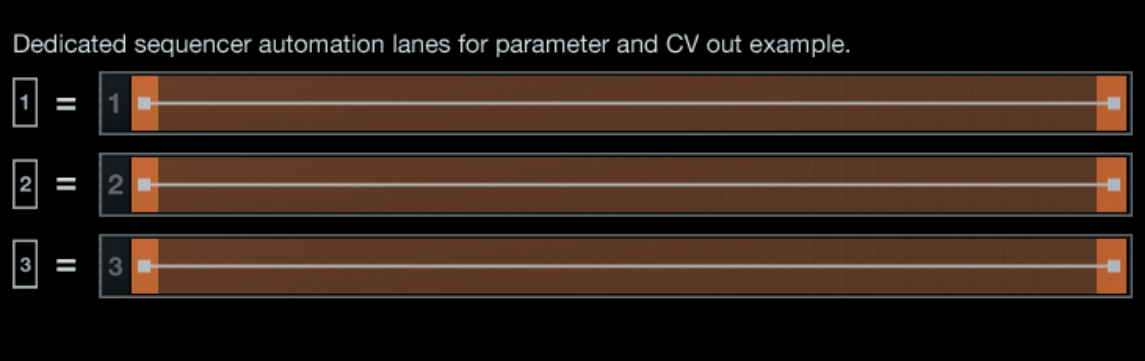
ON BOARD EFFEKT & CV OUT SEQUENCER AUTOMATION

The parameters Channel Gain, LFO Rate, LFO Amount, LFO Wave, Filter Frequency & Resonance of all channels have their own dedicated sequencer lane and editing page, which can be selected via the grey parameter buttons.

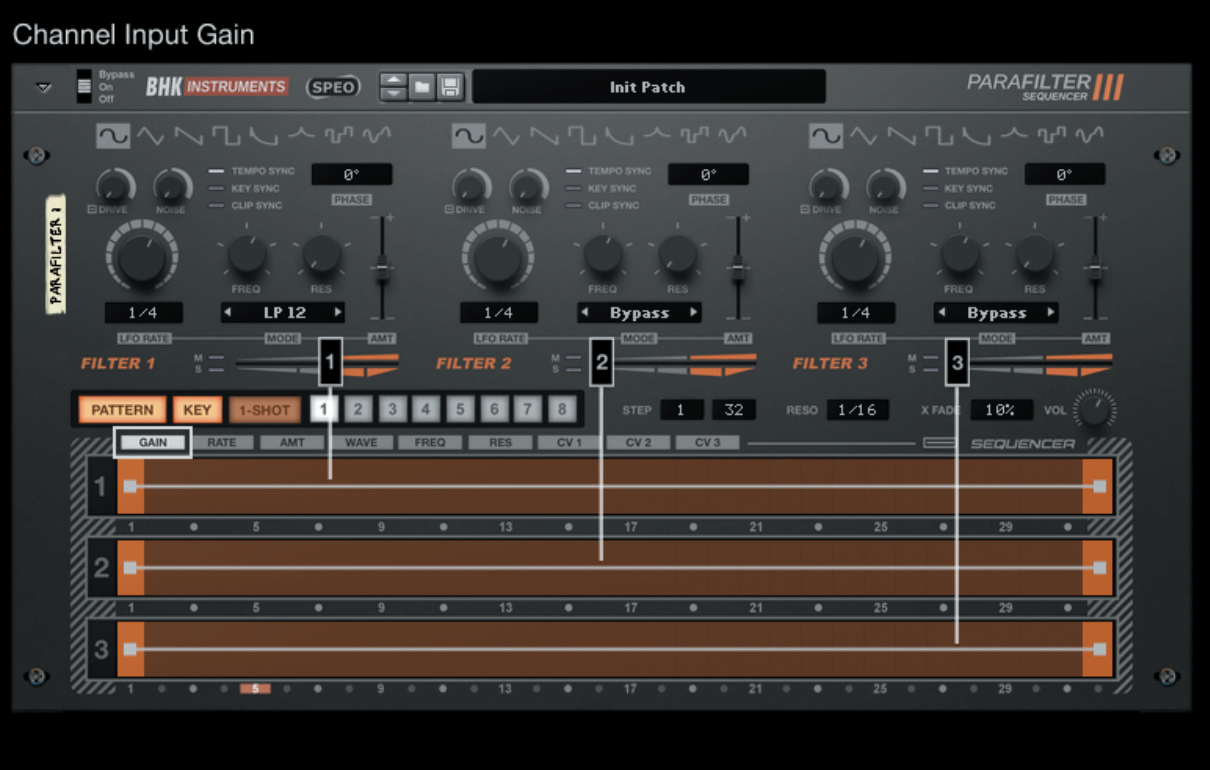
Select here the parameter and CV out pages to be automated with the sequencer.



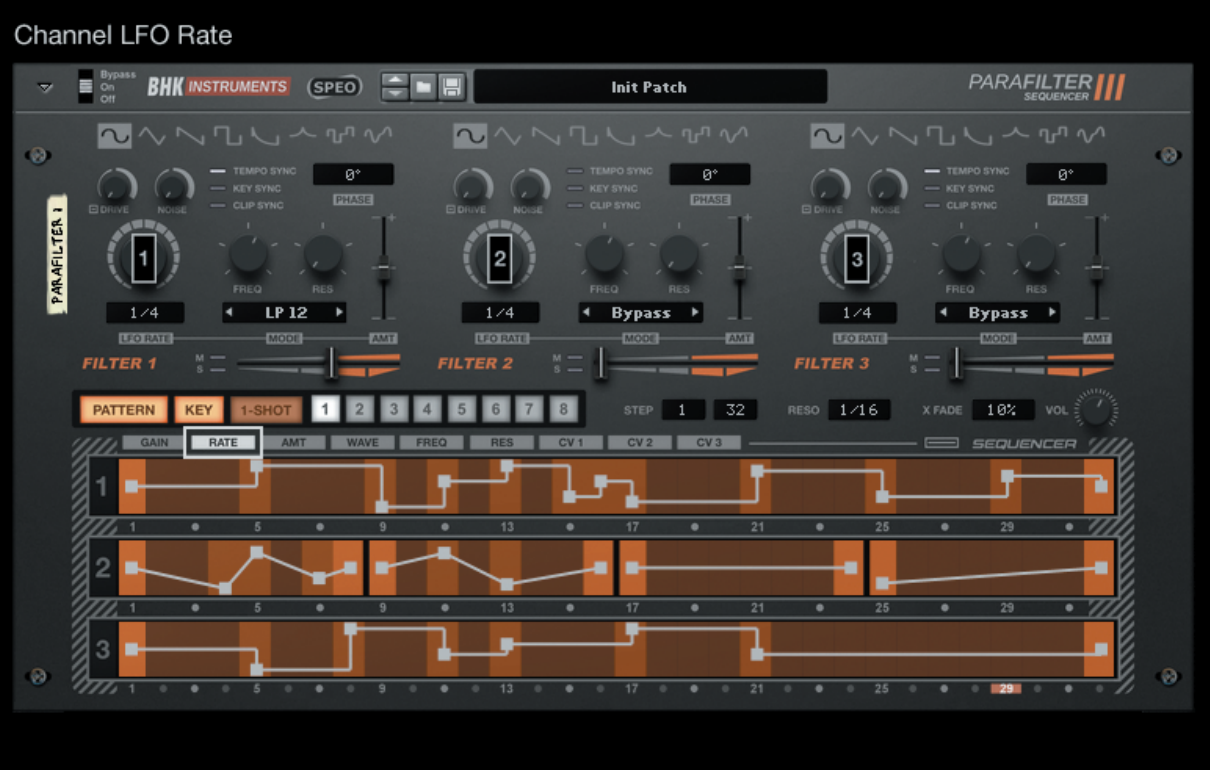
Dedicated sequencer automation lanes for parameter and CV out example.



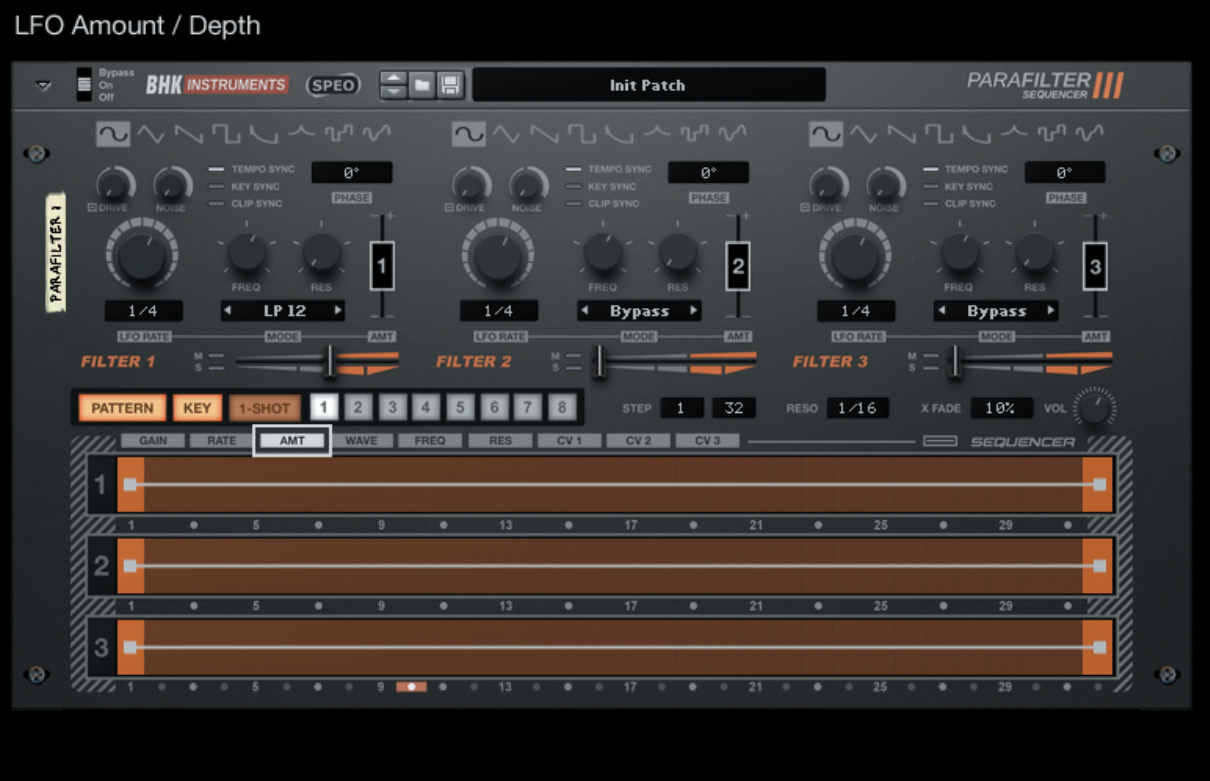
Channel Input Gain



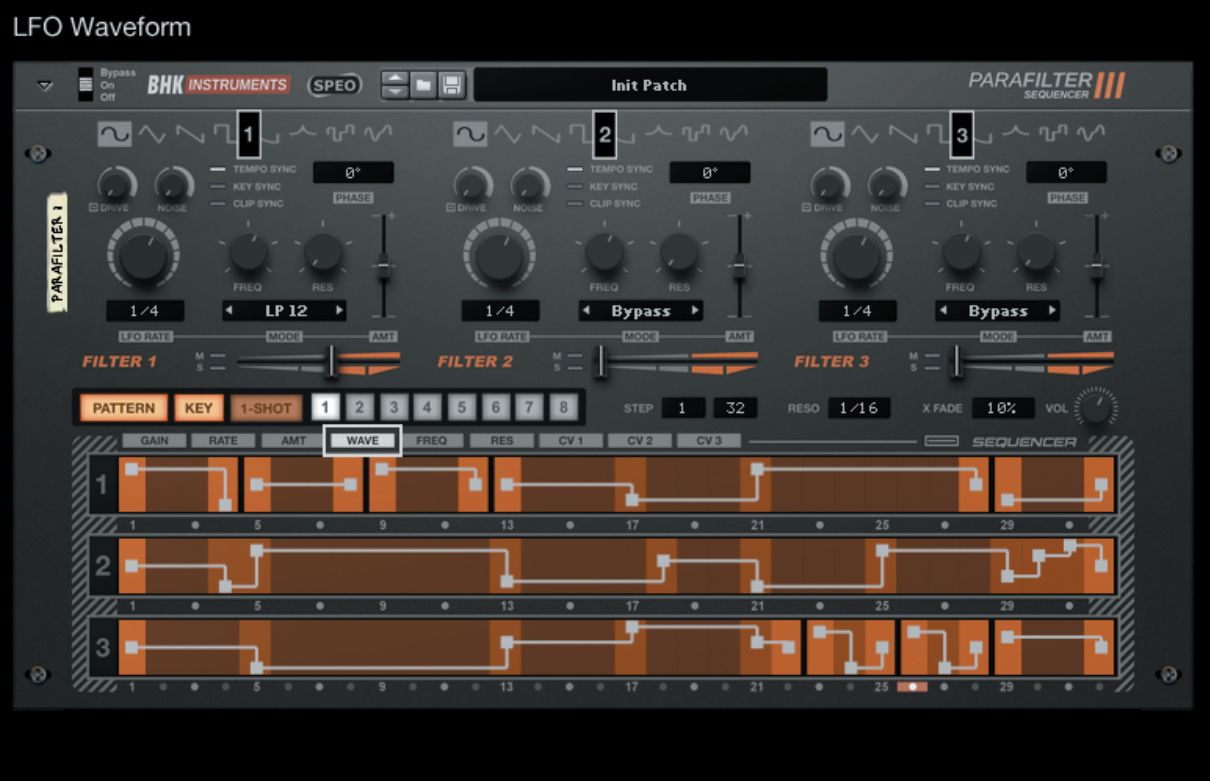
Channel LFO Rate



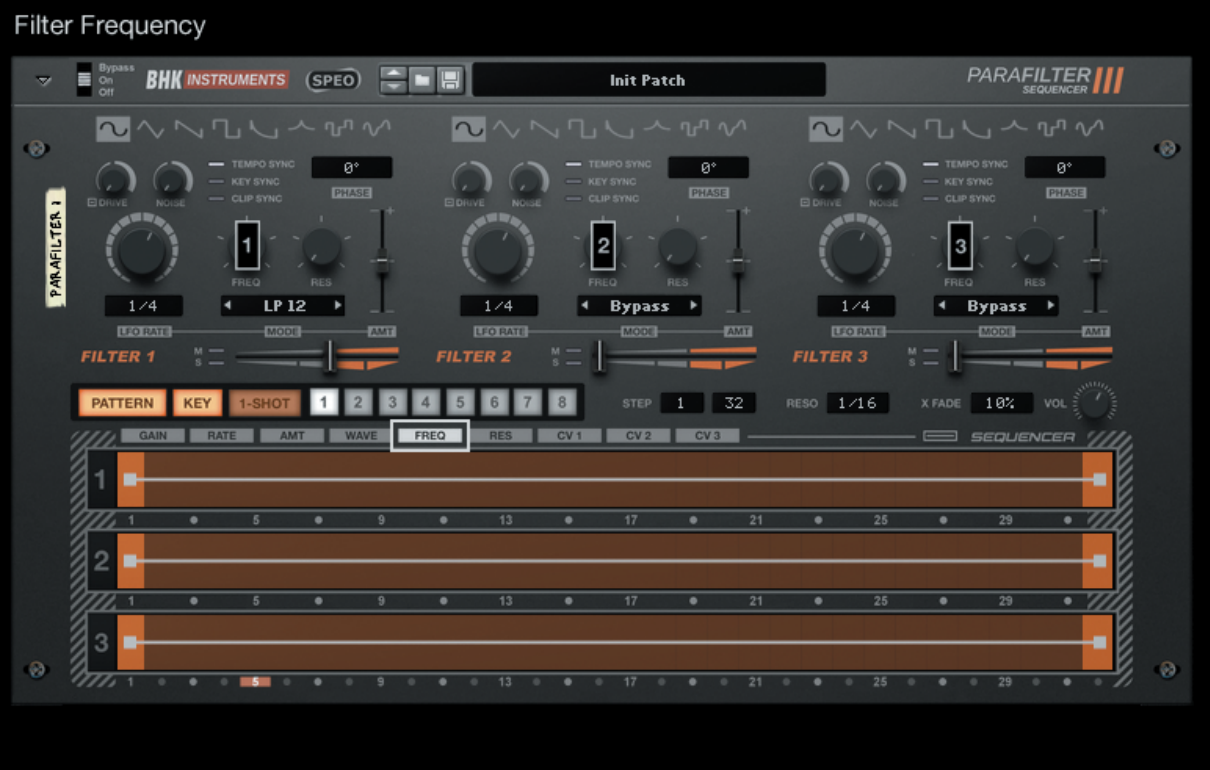
LFO Amount / Depth



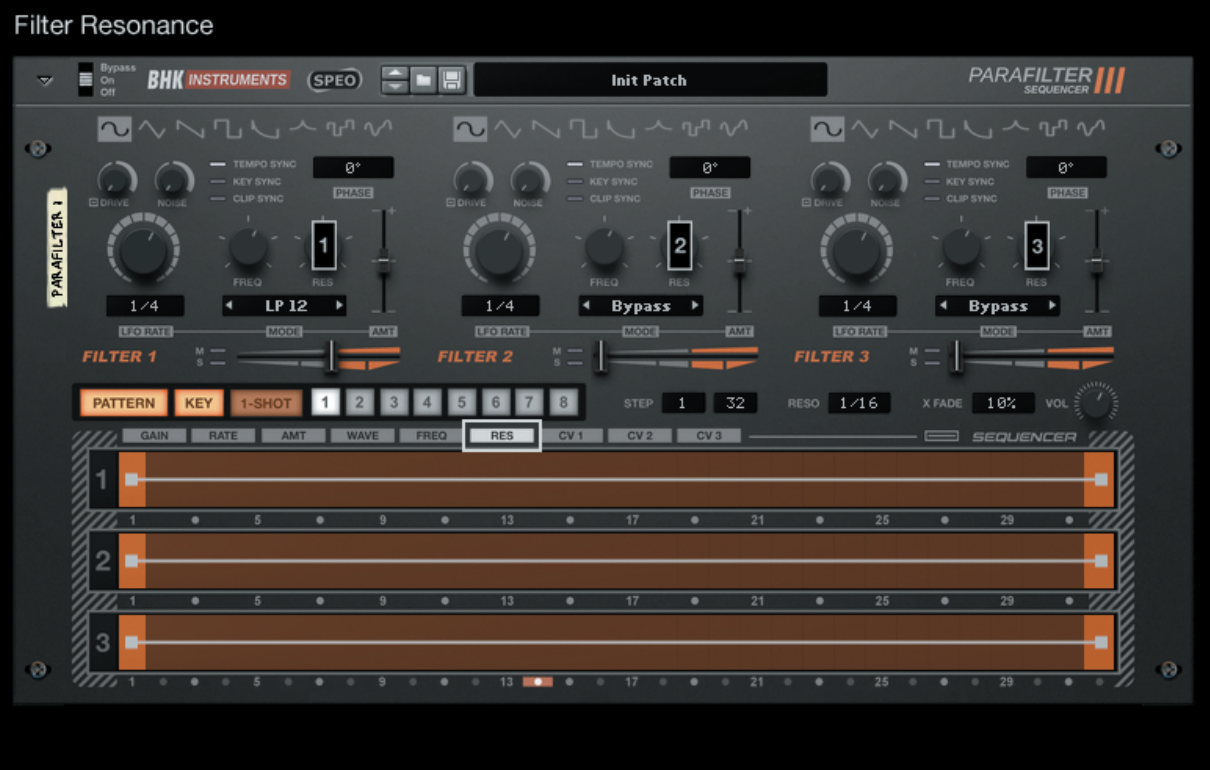
LFO Waveform



Filter Frequency

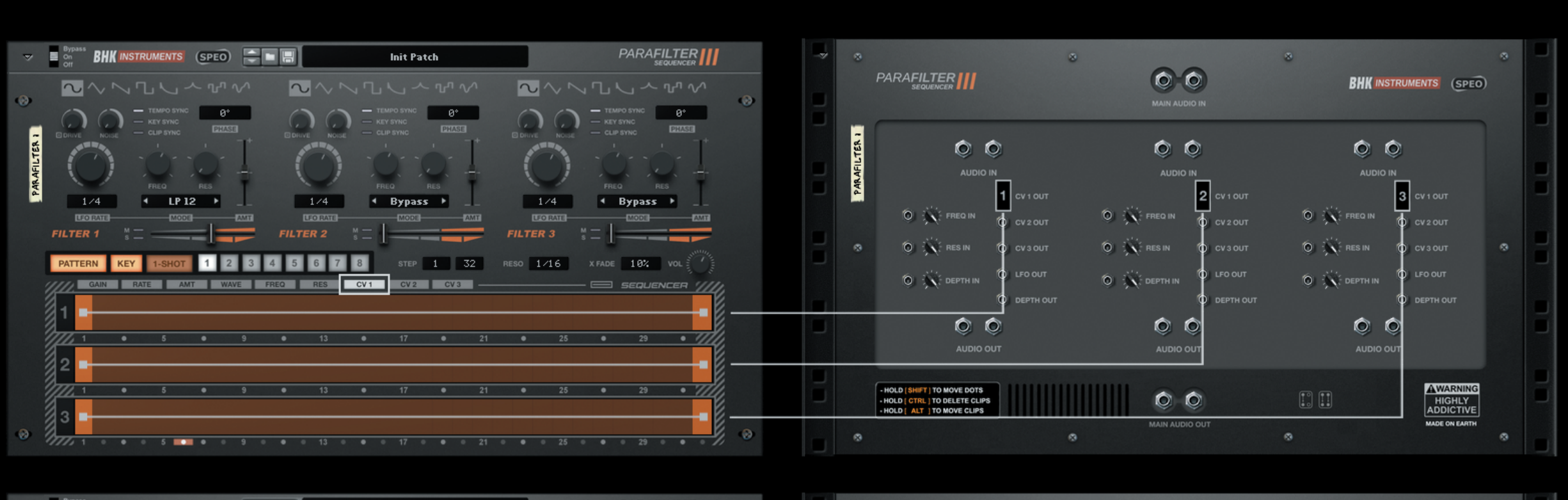


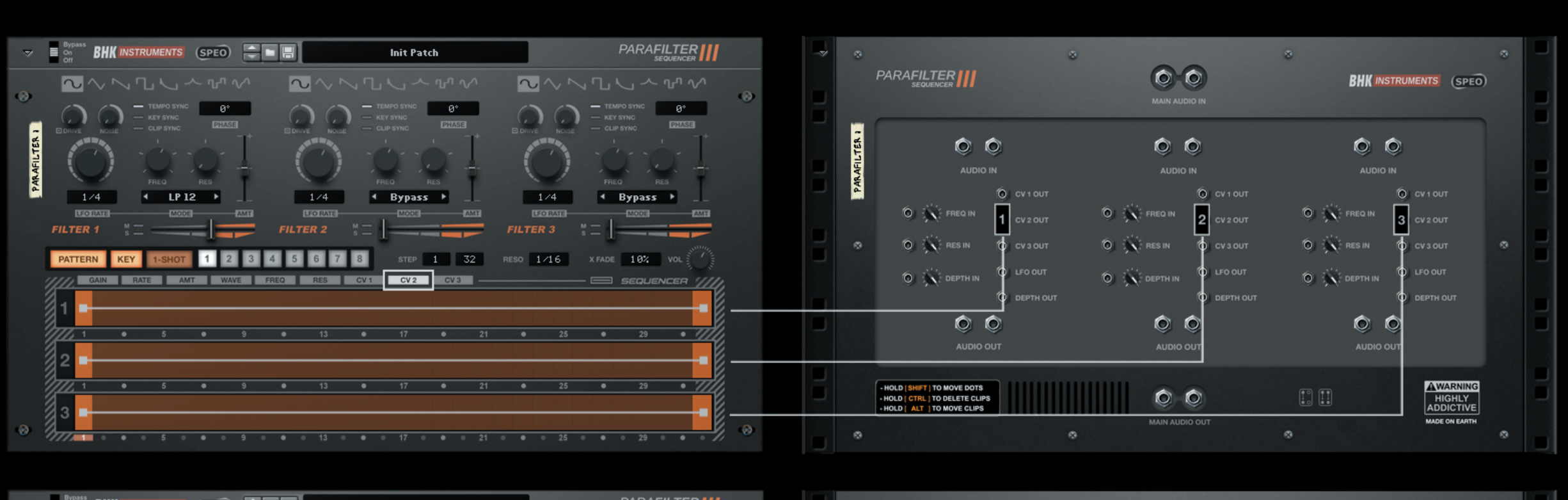
Filter Resonance

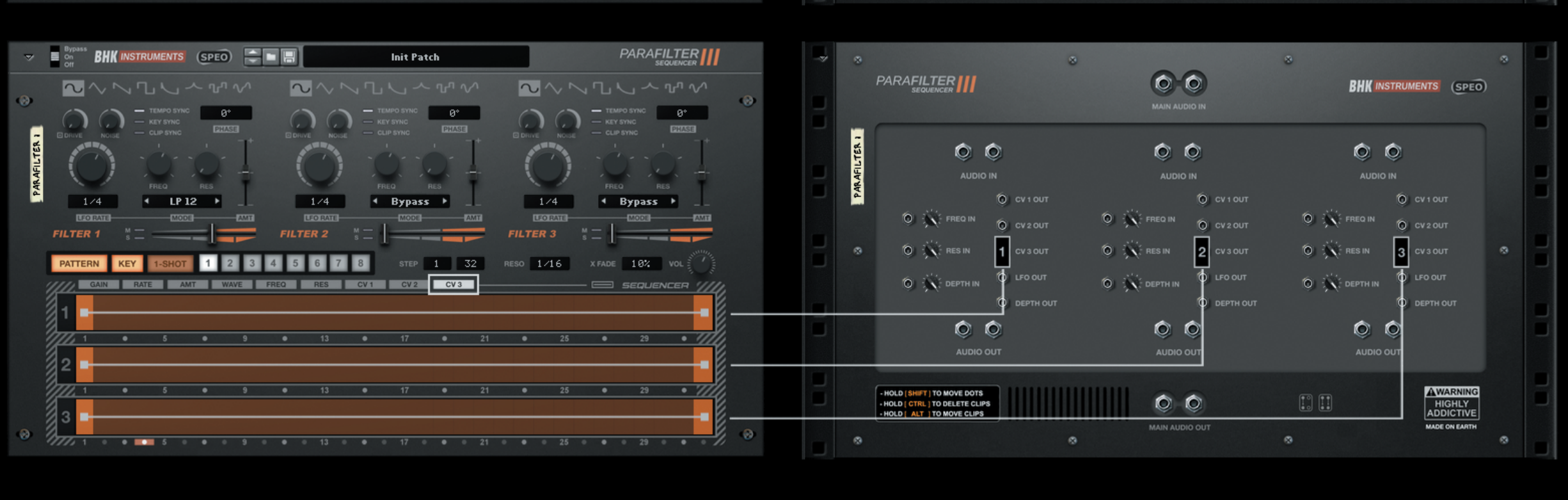


A total of 15 CV outputs are available for automating external parameters or triggering of instruments at the same time.

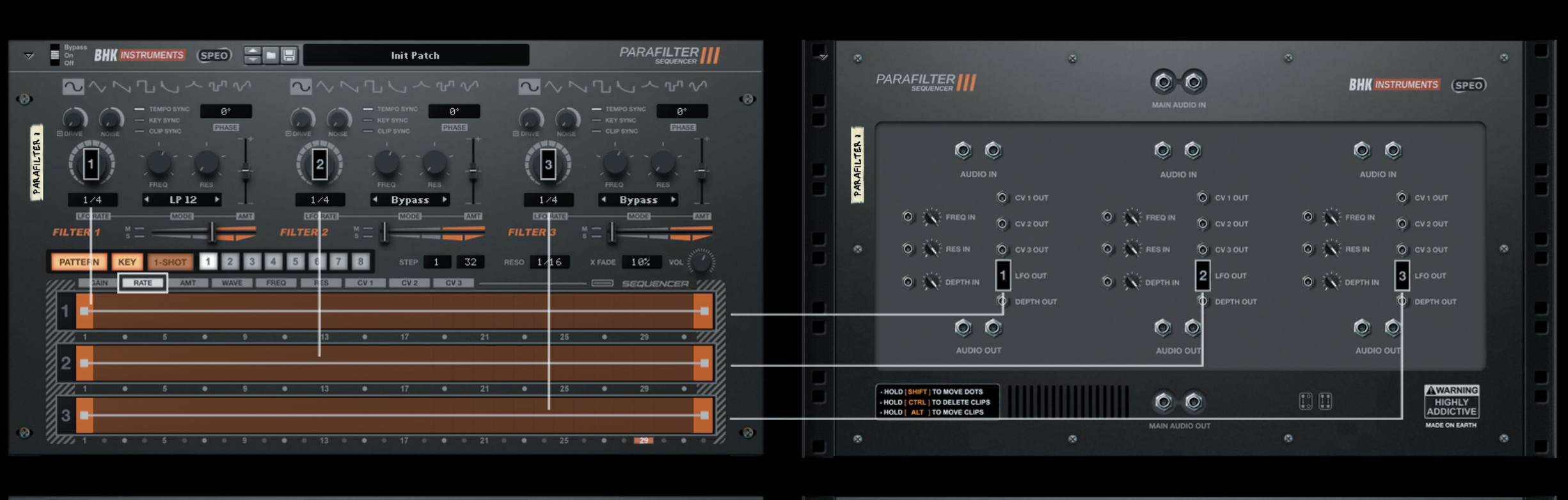
Divided into a total of 9 sequencer CV outputs, 3 LFO CV outputs and 3 LFO Amt / Depth CV outputs.

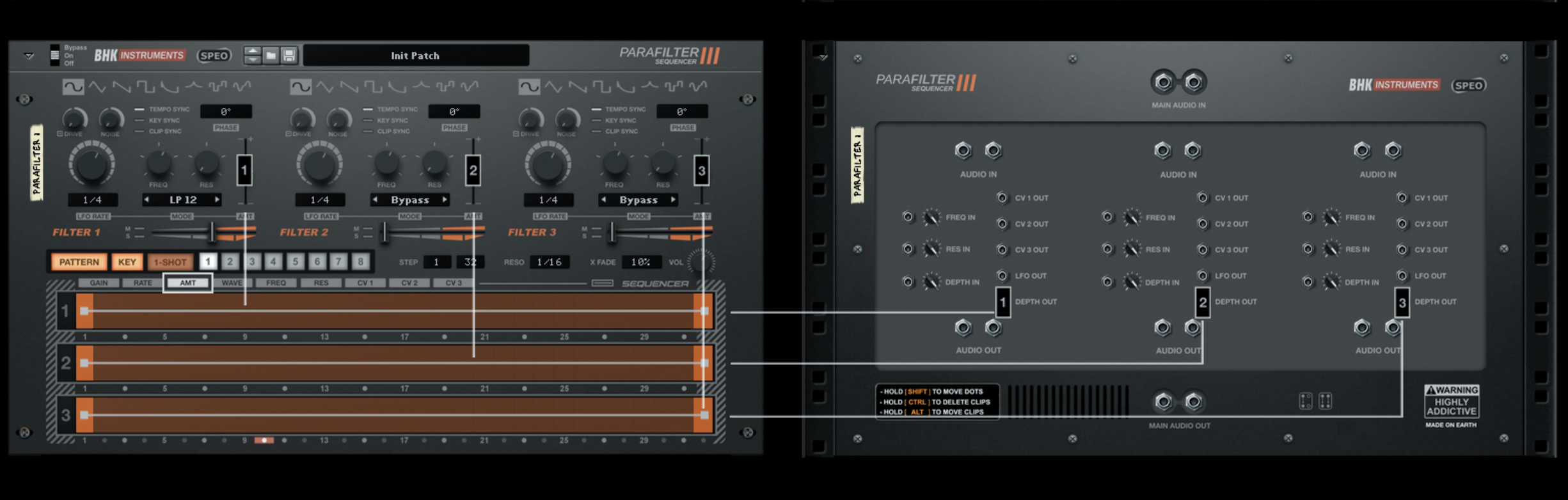






LFO and AMT / DEPTH CV output signals can also be automated via the sequencer editing pages RATE & AMT.





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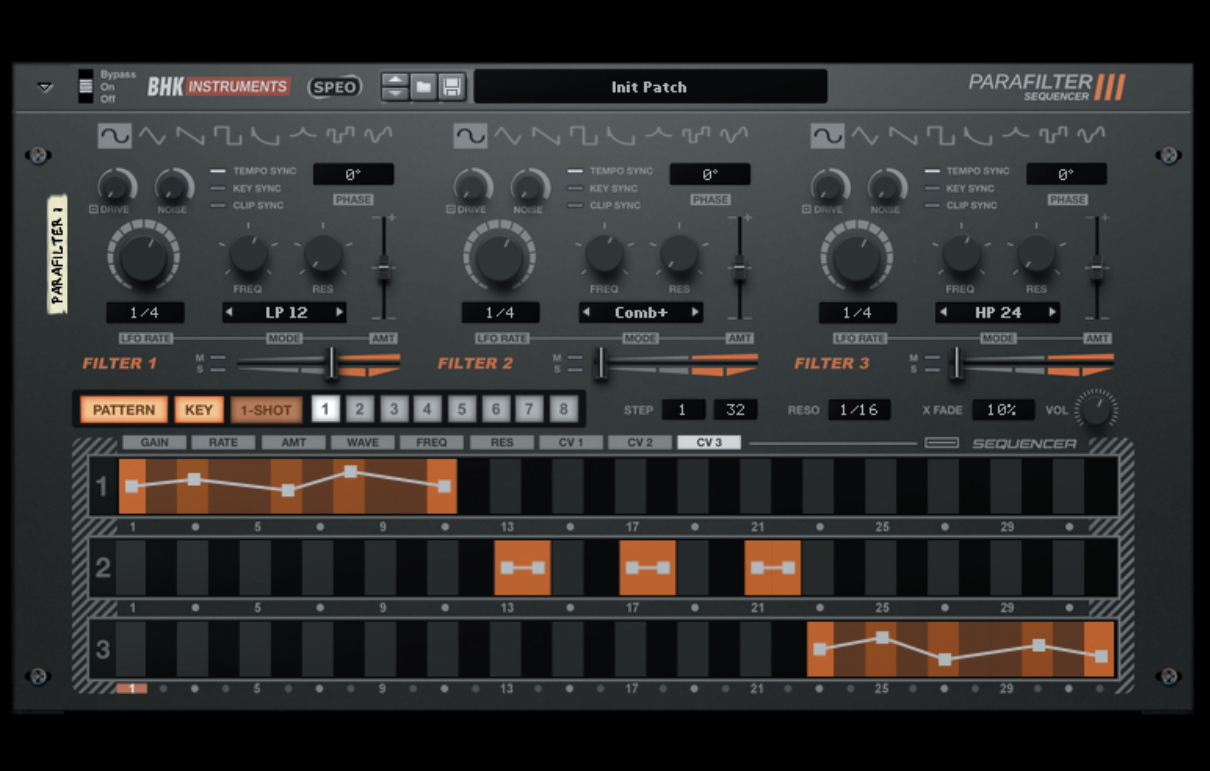
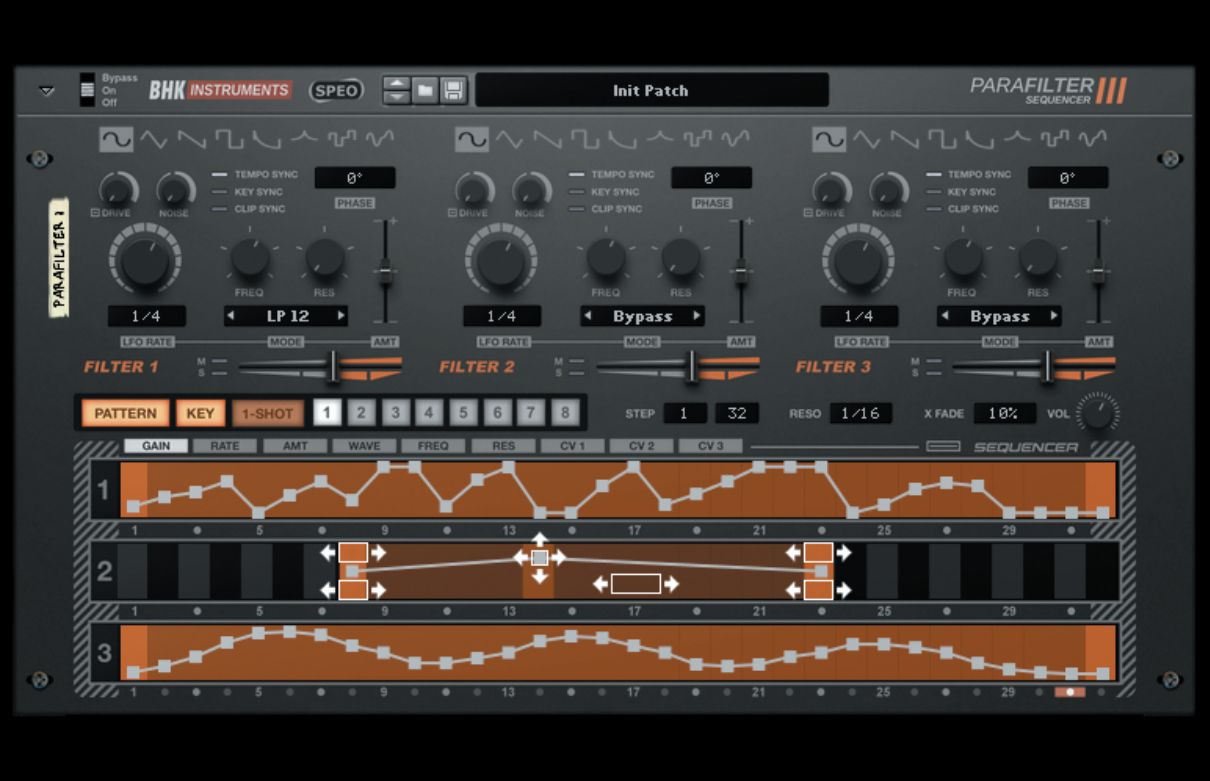
SEQUENCER AUTOMATION CLIPS



When activating the sequencer, the main audio or single audio Input signals sent through the connected sequencer tracks.

Step position and length of the clip entries determine when and for how long Input signals can be heard in a sequence.

In the Init Patch state, the gain faders of input channels 2 and 3 are leveled fully to silent. And must be fade up first, in order to hear the input signal for these channels.



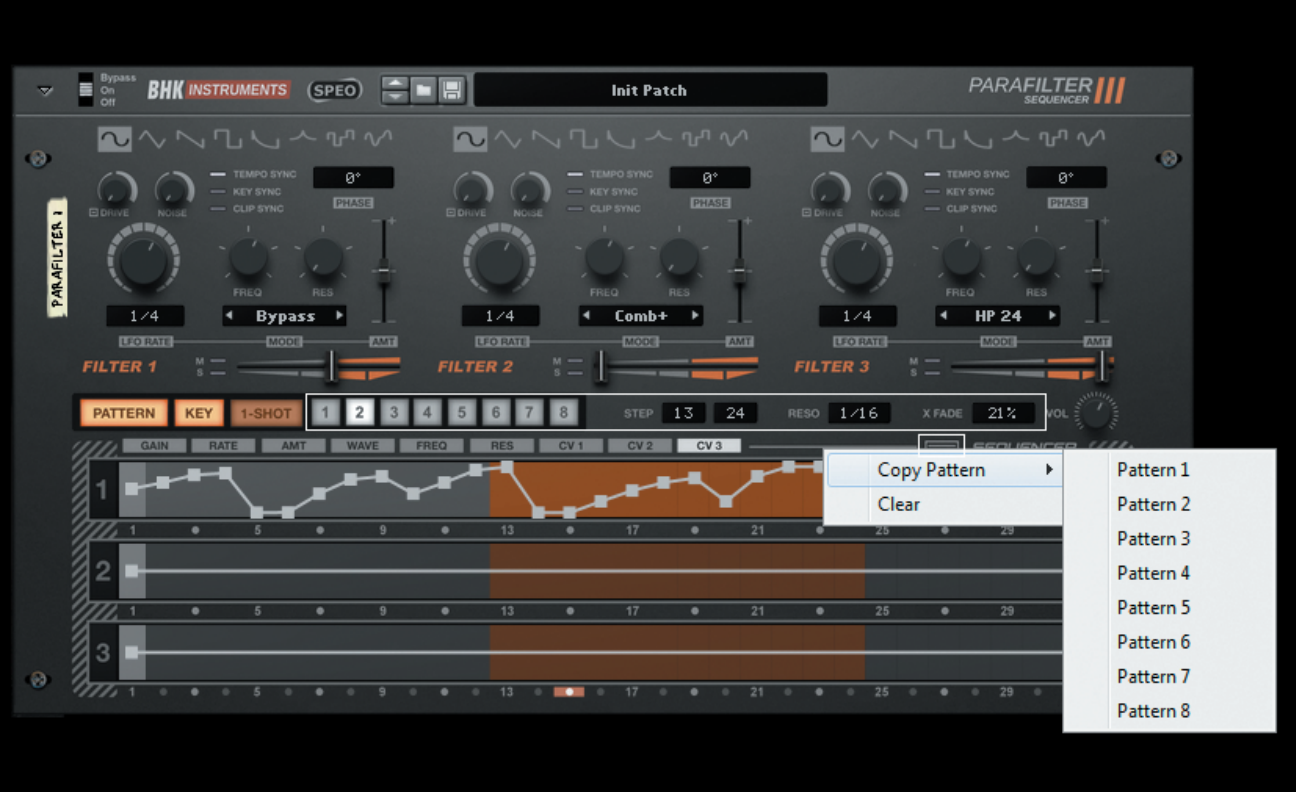
Parafilter clip envelope editing functions have been improved.

The entries of the clip envelope dots can now be carried out freely through all steps with the cursor by holding down the left mouse button.

Individual envelope points can be shifted by holding down [Shift] without affecting the positions of the other envelope points.

By holding down [Ctrl] and the left mouse button, several envelope points or clips can be deleted by moving over the cursor.

Move clips with the cursor in the sequencer to the left or to the right by holding down [ALT] - provided there are no other clips in the way.



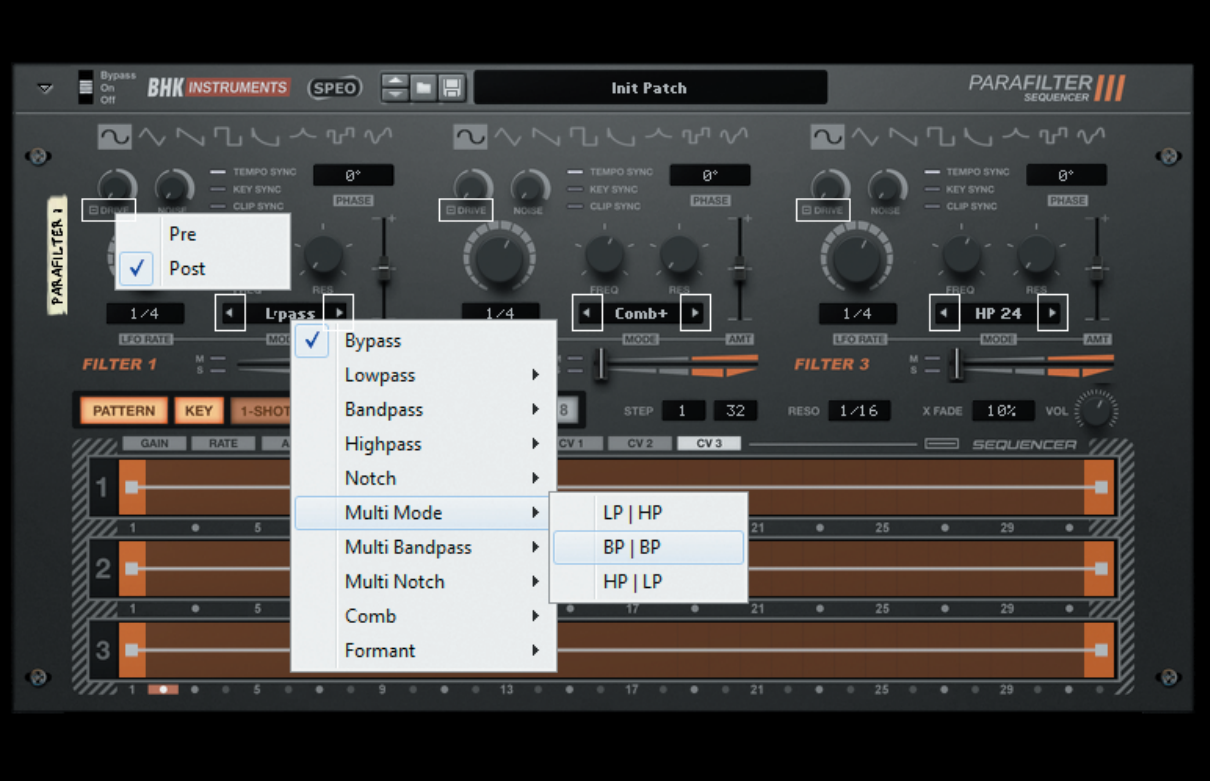
Another new sequencer function is the cropping of automation sections via the step start and step end displays.

Sequencer pattern steps, sequencer resolution and x-fade can be configured individually for all eight sequencer patterns.

On the right side, above the first sequencer track, there is a rectangular menu symbol. Clicking on this symbol opens the copy & clear pattern menu.

5

DRIVE, FILTER MODES, LFO & SEQUENCER SYNC FUNCTIONS

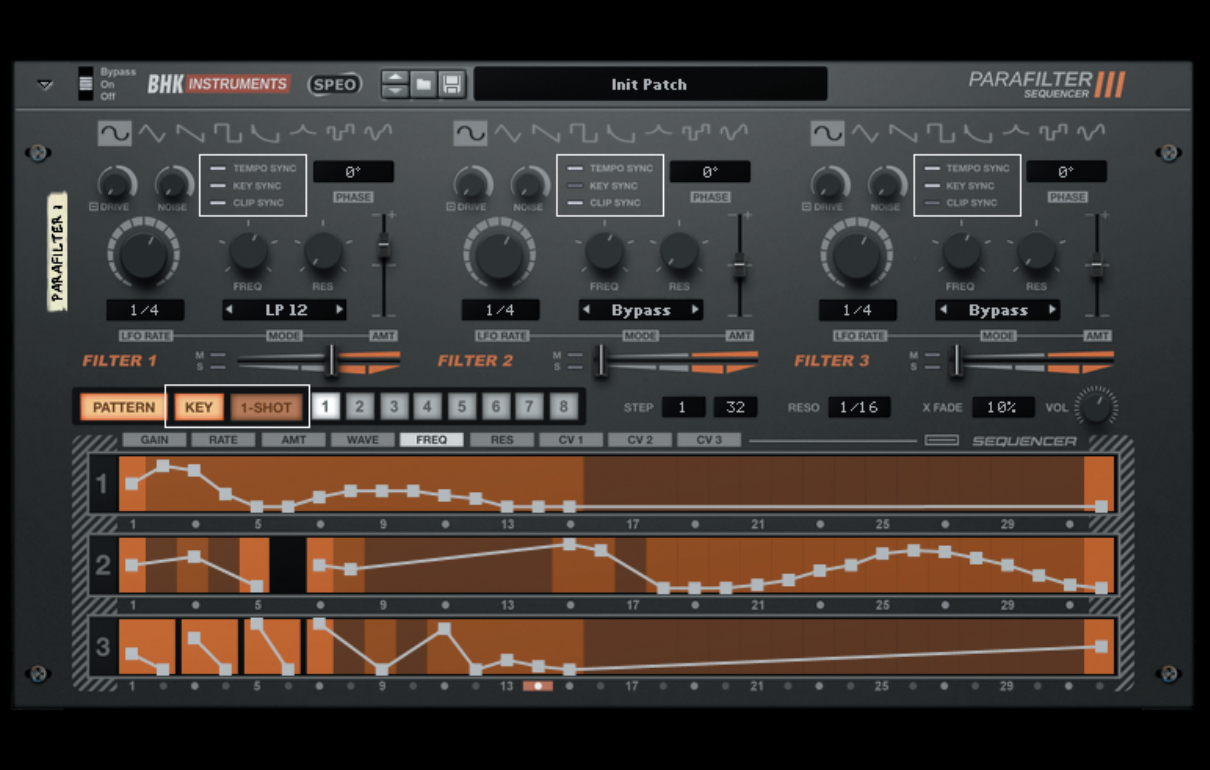


Drive can now also warm up input signals before filtering. A mouse click on the label of the drive parameters opens the pre or post filter drive menu.

All three inputs were uniformly equipped with 42 selectable filter types.

These can also be selected without opening the menu by clicking the arrow symbols (Filter Mode Display).

There is a choice of lowpass, bandpass, highpass and notch filters, each with four slopes, three multimode filter types, plus eight multi bandpass & eight multi notch filters with up to 8 poles, two comb filters, four vowel filters and 3 formant filters.



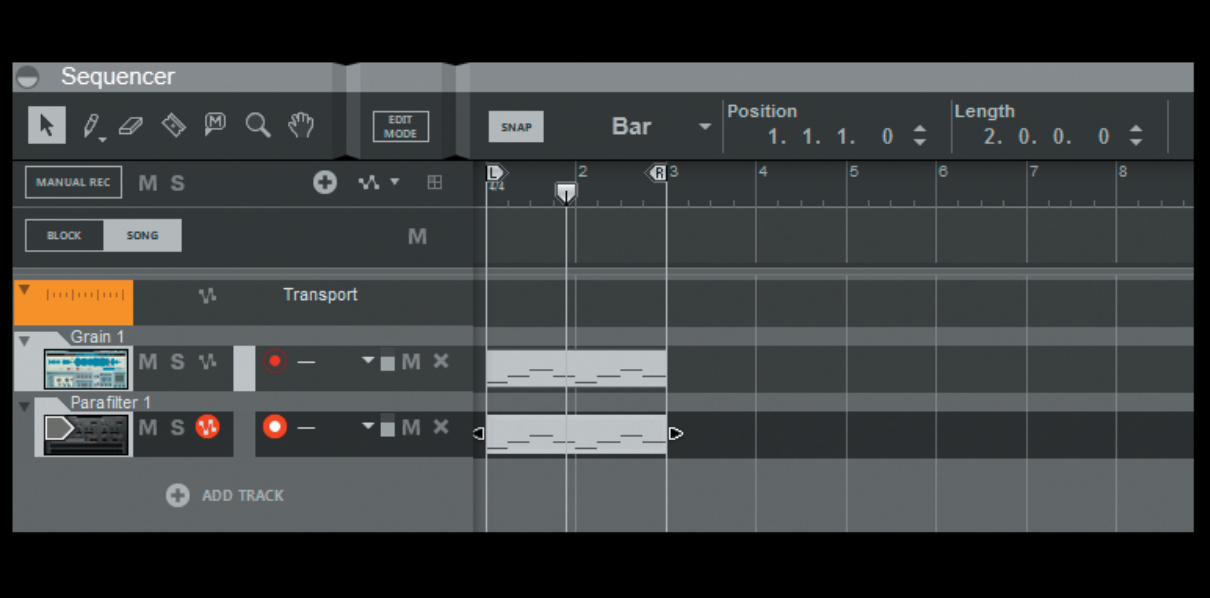
The LFO Sync functions consisting of LFO Tempo Sync, LFO Key Sync and LFO Clip Sync can be activated or deactivated using the associated LED buttons.

Activating clip sync causes LFO modulation to restart with every entered sequencer clip.

This function is ideal for retriggering LFO rate modulation in long midi notes. Or when using LFO & Depth/Amt CV out to trigger Gate CV ins.

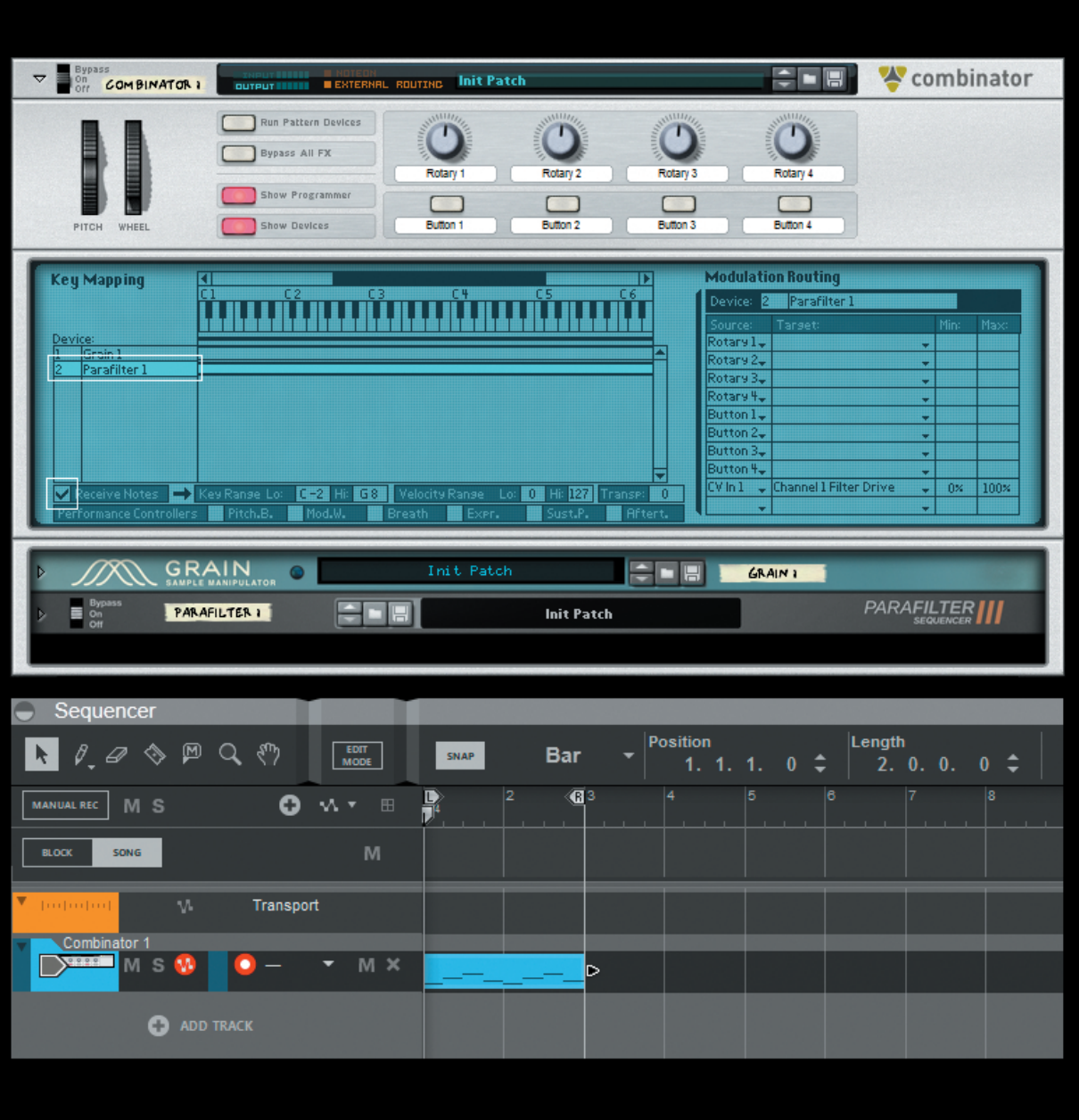
The 1 SHOT function plays the sequencer once and then stops, depending on where the end steps were set.

LFO & Sequencer Key Sync funktion is working under the following two conditions below only:



KEY SYNC SET UP 1

“Create Track for Parafilter” first, add a note lane for this track and copy the midi notation clip you want to use as trigger source.



KEY SYNC SET UP 2

By combining the audio source and the parafilter unit in a combinator, and enabling “Receive Notes” in the programmmer for parafilter.

This way, the LFO's and the sequencer automations can also be played with all available sync options, together with the audio source via midi keys like instruments.

END

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