Gotharman's Little deFormer 3

Granular WorkStation

Update Manual 12.46

-2 new Percussion Oscillators has been added: Clap Oscillator and Cymbal 2.

-Edit Knob's MIDI CC output can now be switched off.

-Triggers from Part 13 to 16 has been added to the modulation sources, instead of MIDI CC 58 to 61. This will make it possible to use 4 triggers for the CV outputs, when SpazeBoard2 are installed.

Bug fixes:

-The scaled CV modes on the Controller track pages (1vS and 1.2vS), seems to have disappeared. I am not sure how that could happen, but now they are back again.

-When syncing LD3/Tiny LD to a MIDI sequencer, and recording the MIDI notes, the sequence would, in most cases, be time shifted one step ahead. This has now been corrected.

New Percussion Oscillators

2 new percussion oscillator types have been added to the oscillator section:

Cym2: Cymbal2. By combining FM and ring modulation, this can make cymbal sounds that are a bit more aggressive than cymbal 1.

Clap: A handclap oscillator. A noise source is shaped by a "clap envelope". The speed and the amount of the clap envelope can be adjusted, together with the noise PW.

Sound ideas / Start points

Crash Cymbal

Select the Cym2 oscillator type. Set Tune to -22, SelFM to +88, Dtun to 254, PW to 272, and CymFM to 511.

Set VCA envelope to LogSm mode, A to 0, D to 20, S to 511 and R to 390.

Hand Clap

Select the Clap oscillator type. Set Tune to -23, NzPw to +107, Dtun to 0, PW to 272, and Clap to 511.

Set VCA envelope to LogSm mode, A to 0, D to 20, S to 511 and R to 96.

The Parameters

Only the new parameters are explained here. For a complete description of all parameters, please see the User Manual.
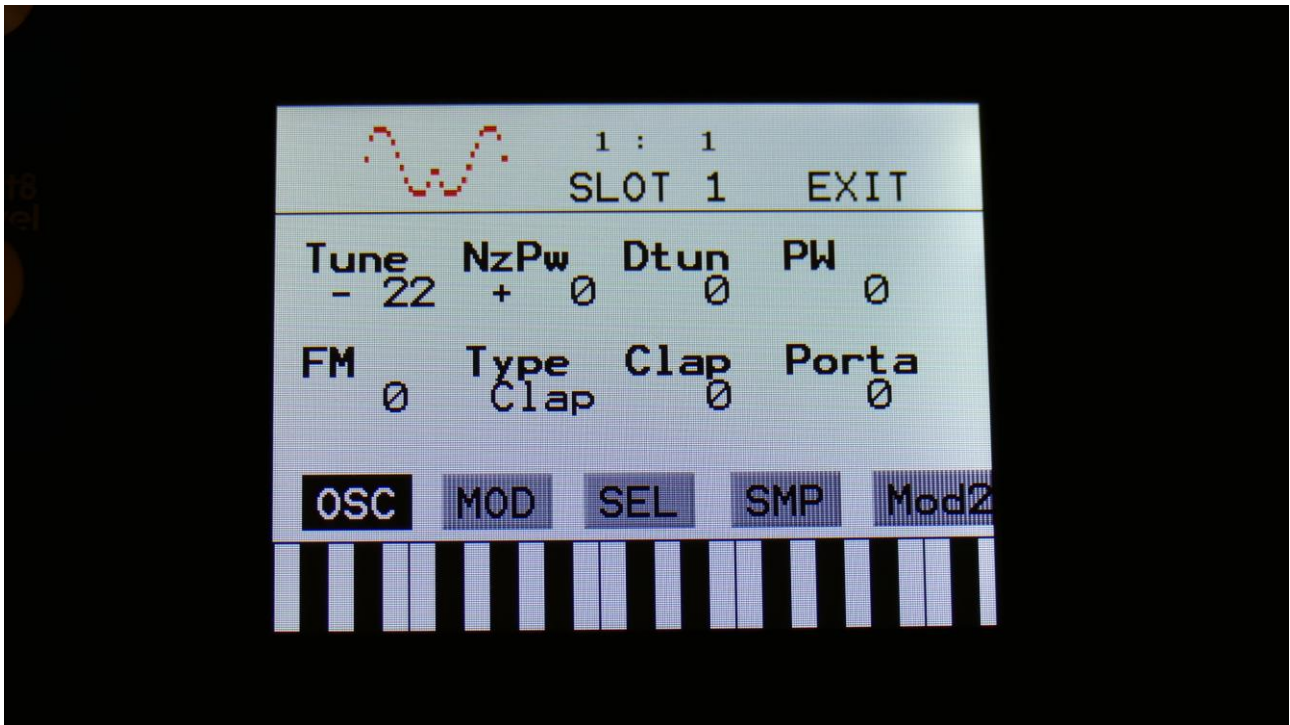

Cym2:

SelFM: Value -256 to +255. Sets self FM amount of the first square wave oscillator (A modulator)

Dtun: Value 0 to 511. Detunes the square waves away from each other.

PW: Value 0 to 511. Sets the pulse width of all square waves.

CymFM: Value 0 to 511. Set the FM amount between the square wave oscillators.

Clap:

Tune: Value -64 to +63. When the Clap oscillator is selected, the Tune parameter sets the speed of the clap envelope.

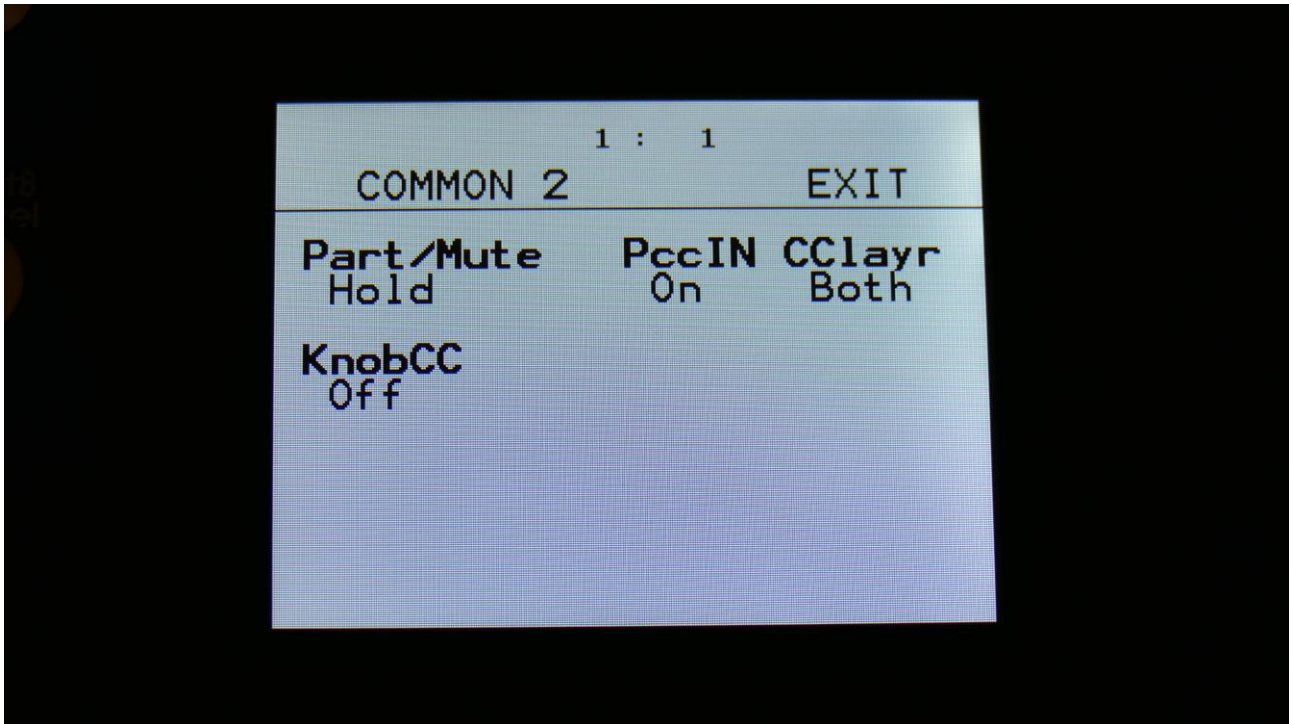**NzPw:** Value -256 to +255. Sets the intensity of the Clap noise.

Dtun: Value 0 to 511. Detunes the noise sound.

PW: Value 0 to 511. Sets the pulse width of a square wave, that is placed on top of the noise signal. 0: No square wave is added.

Clap: Value 0 to 511. Sets how much the clap envelope should shape the noise signal.

Edit Knob MIDI CC's Output

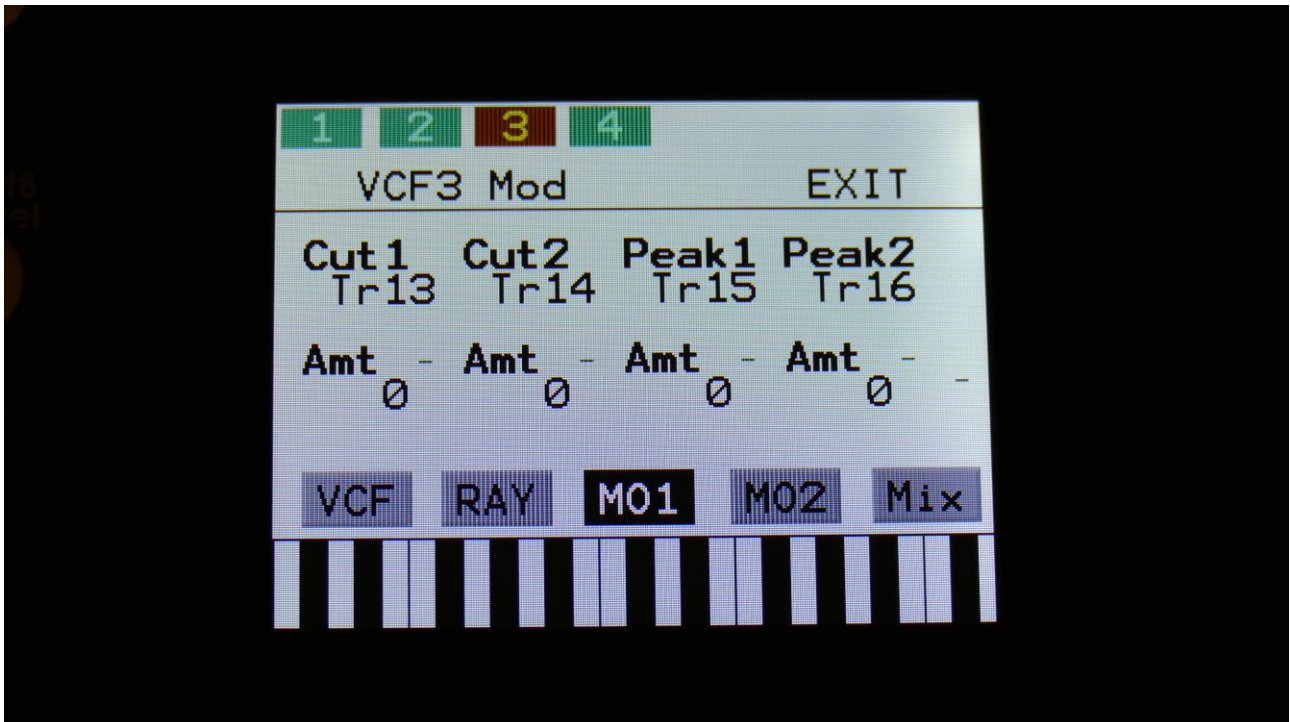On the MOR>COM2 page, it is now possible to turn off the Edit Knobs transmitting MIDI CC's to MIDI Out.

The new parameter is named **KnobCC**. The default position is "On".

Part 13 to 16 Modulation Triggers

Part 13 to 16 will now output a modulation trigger every time, that they are triggered, which can modulate all parts. This has mainly been made, to make it possible to send 4 different triggers to the CV outputs, when SpazeBoard2 are installed.

To make room for this, it is now no longer possible to use MIDI CC 58 to 61 as modulation sources.

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2020

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