

# Gotharman's zaTurn



## Modular Synthesizer

## Update Manual 7.34

## Table of Contents

Bug Fixes.....	3
New Reso EQ Effect! .....	4
New Smooth Dual Tap Mod Delay Effect! .....	5
New Comb Filter! .....	6
New Compressor With Side Chain! .....	7
Chorus Effect Has Been Optimized .....	8
SinF microGothar Oscillator .....	9
Immediate Preset Change! .....	10
Sequencer Continue/Restart function .....	11
Metronome now only at playback.....	12
Sequencer Count-In .....	13
Bank Select Touch Buttons .....	14
Sample Select Page Jumps .....	15

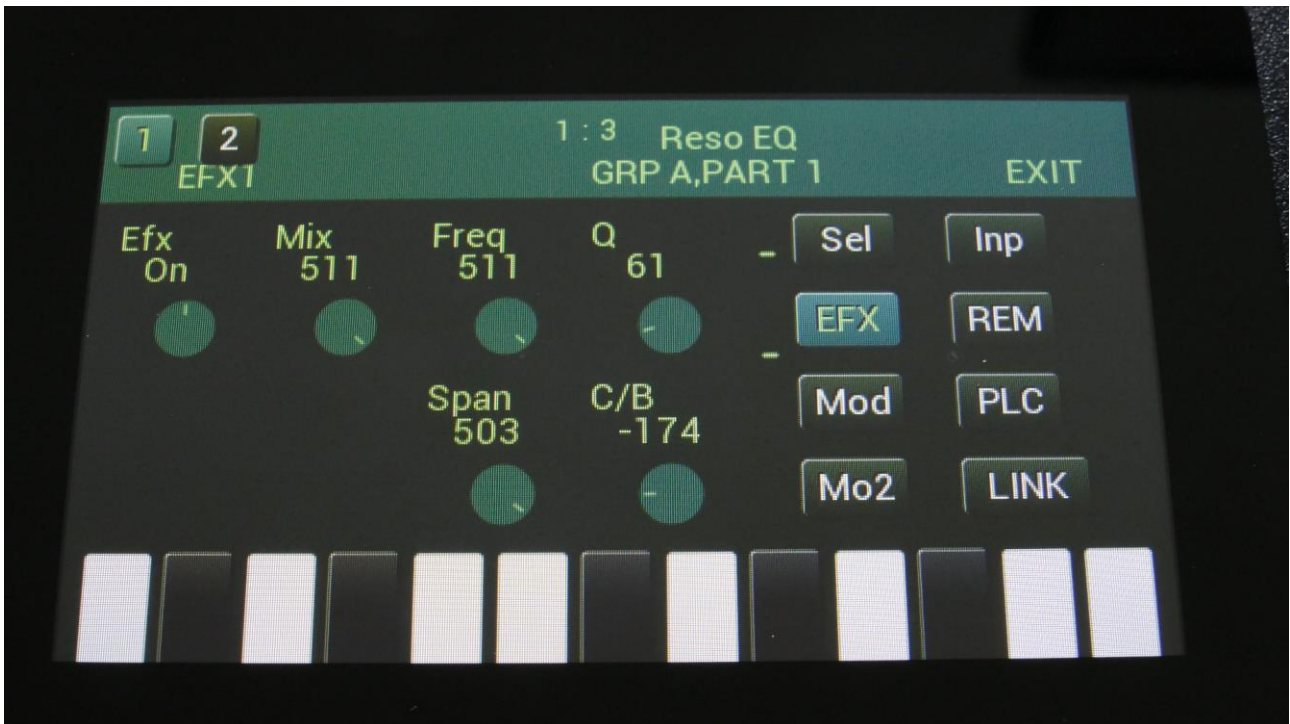
## Bug Fixes

- Display brightness adjustment made more smooth on the PT model.
- Some minor graphics issues on the PT model fixed.
- Sequencer control track number was not shown correctly on the Granulator effects. This has now been fixed.
- The Granulator SQ effect did not function as intended. Now it does!

## New Reso EQ Effect!

A resonant EQ has been added to the effects.

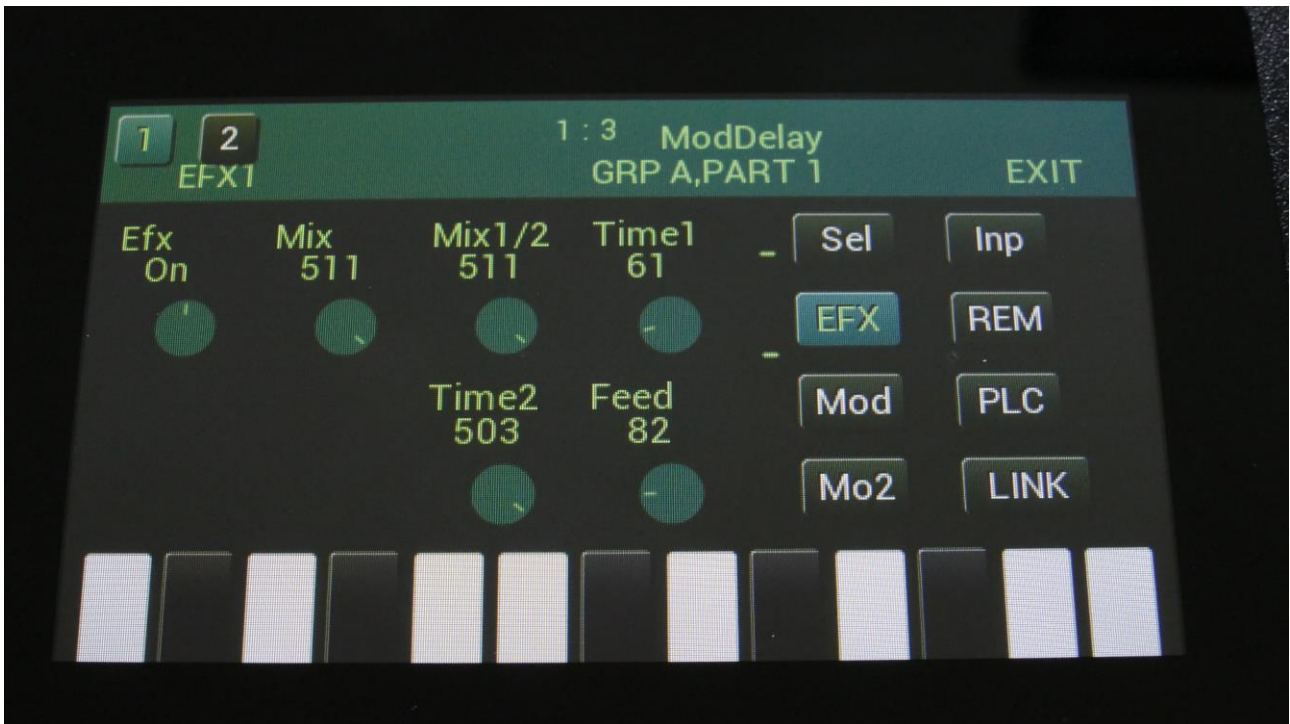
It is a parametric EQ where frequency, cut/boost, frequency span and resonance (Q) can be set. Since the frequency span and Q can be set as 2 different parameters, this EQ has 2 peaks or dips at higher Q settings.



## New Smooth Dual Tap Mod Delay Effect!

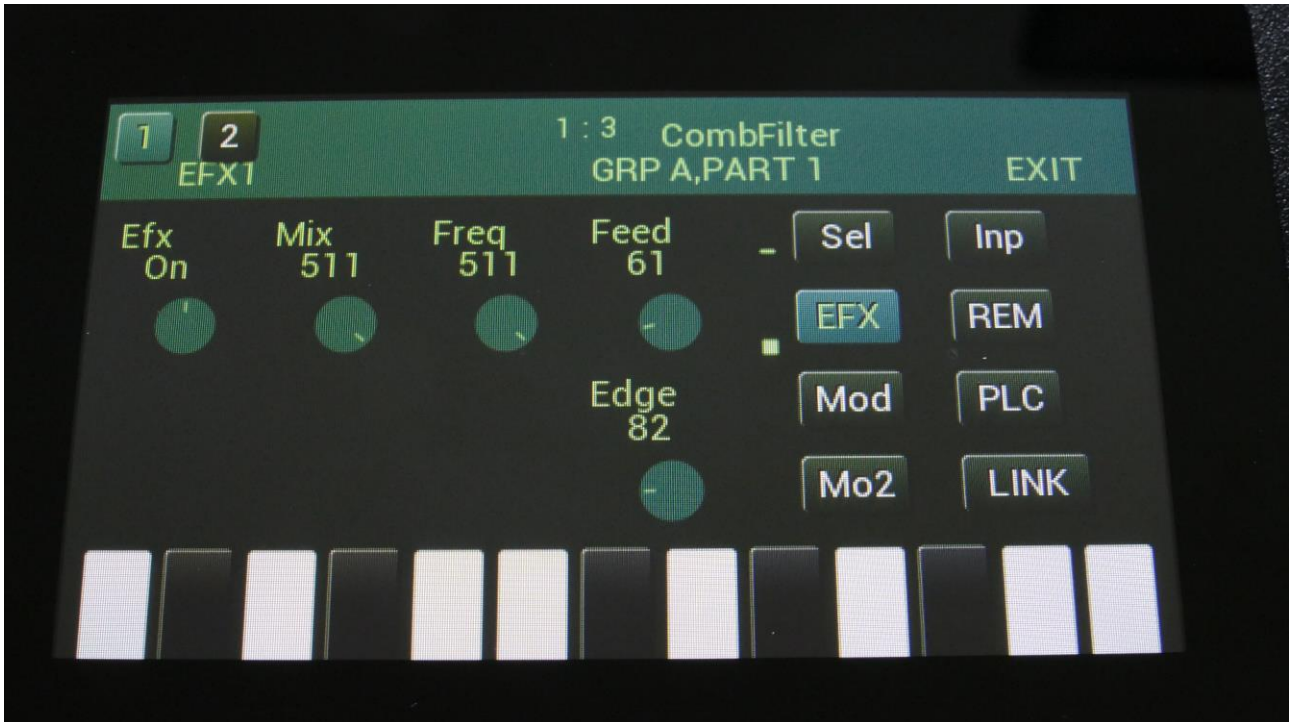
A new dual tap delay effect has been added. When you change or modulate the delay times on this, the transition is smooth, and do not generate any clicks.

It is also possible to set different delay times on the 2 taps, and mix between them, manually or via modulation.



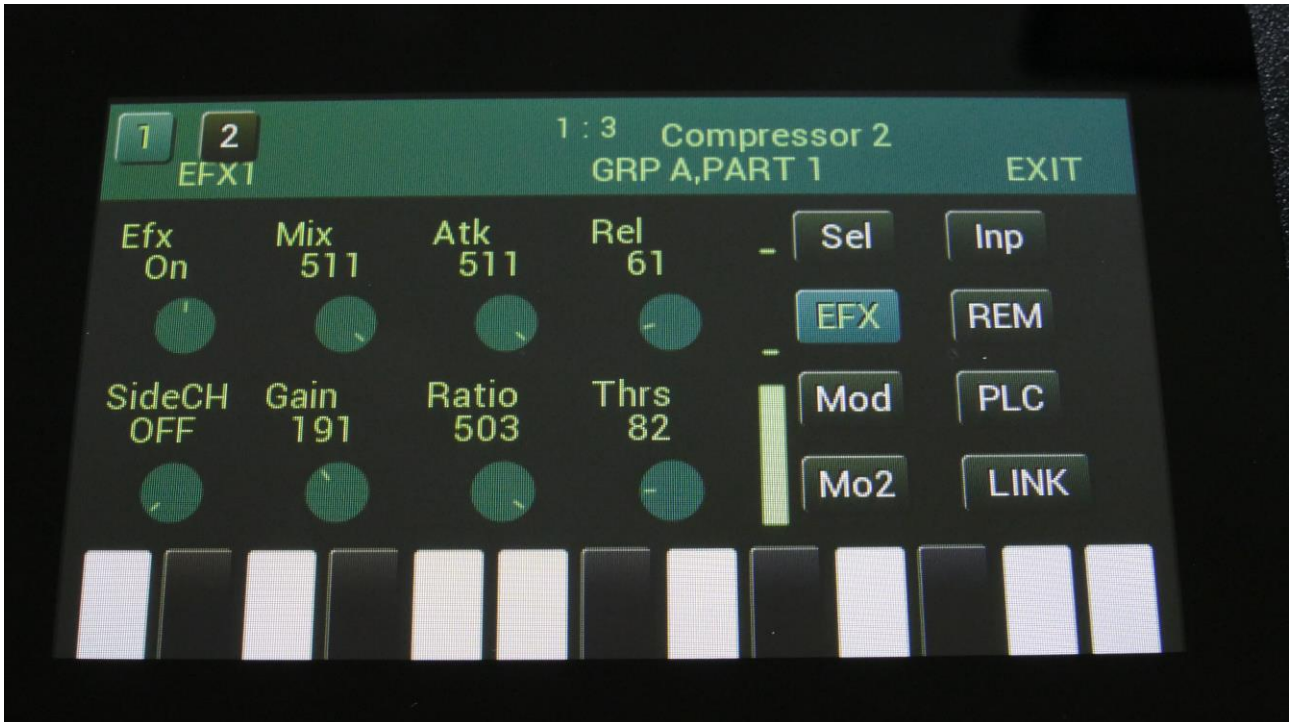
## New Comb Filter!

A comb filter has been added to the effects section. A traditional comb filter with frequency and feedback settings, plus an Edge setting, which will add some character and crunchy distortion.



## New Compressor With Side Chain!

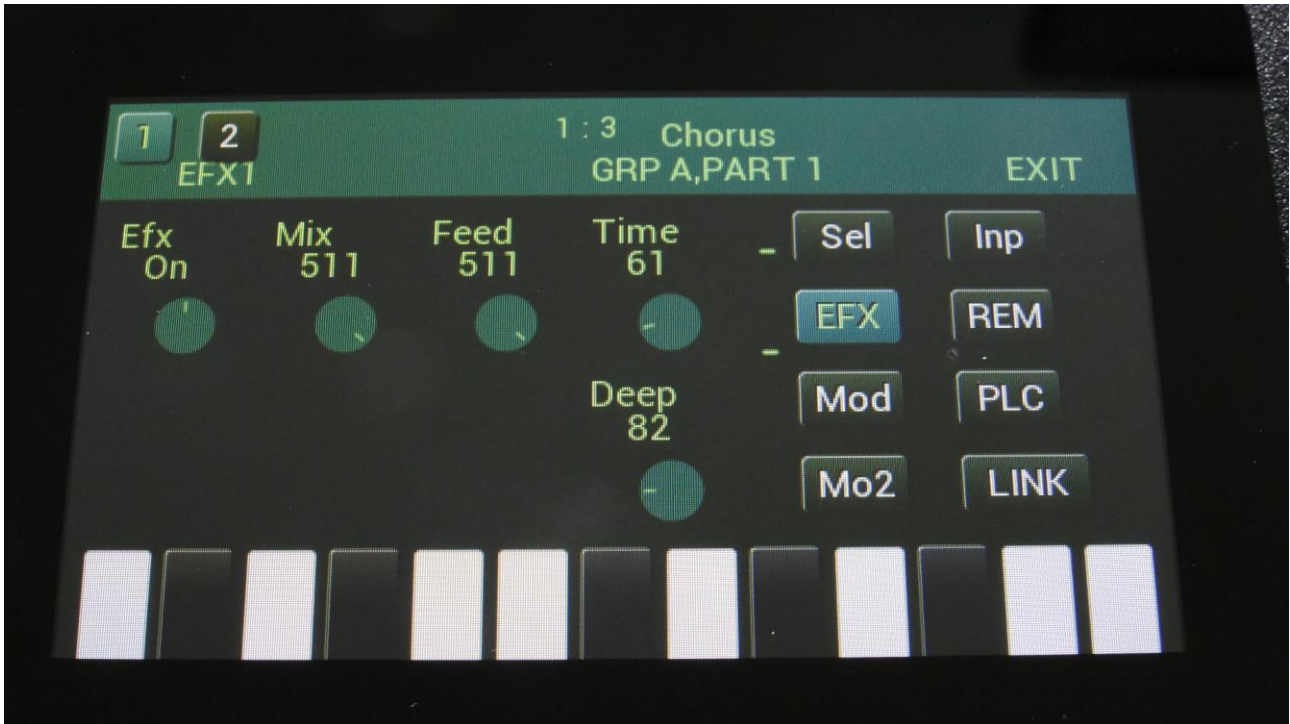
A new compressor effect has been added, which is easier to use than the first one, and which can be side chained to any audio/modulation source.





## Chorus Effect Has Been Optimized

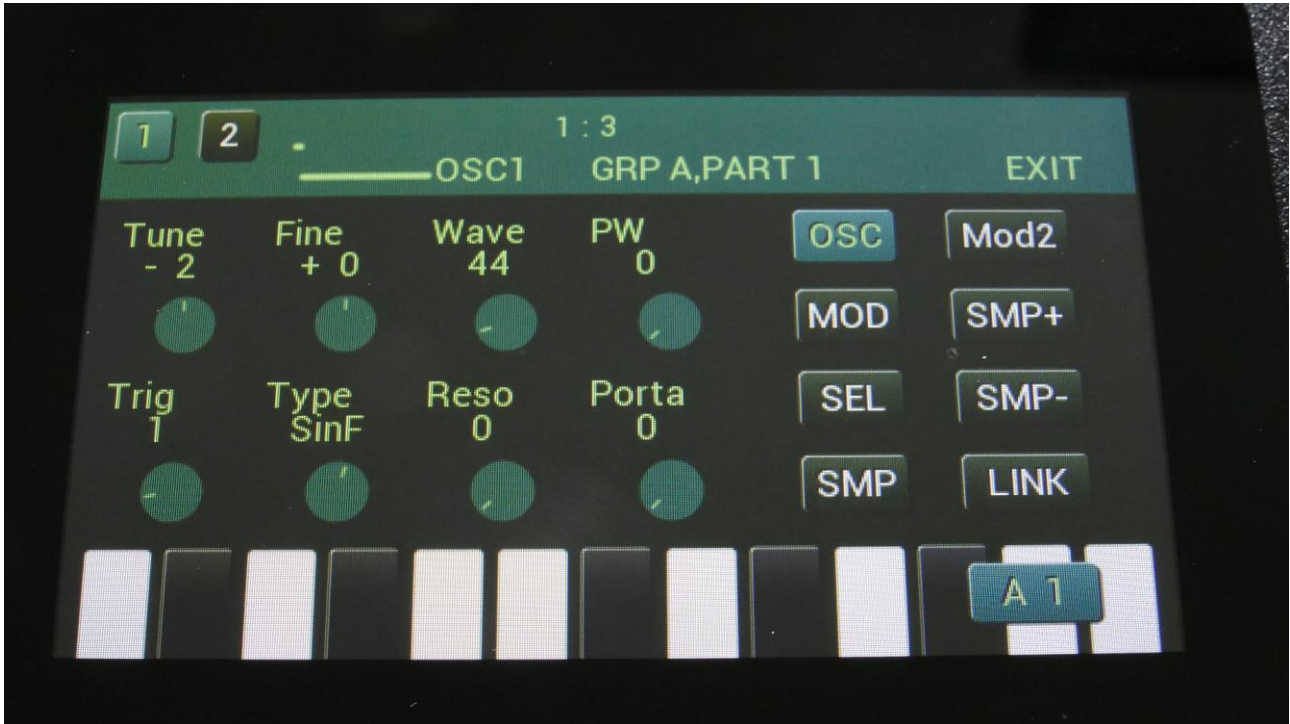
The Chorus effect has been optimized a bit, so that it is now less clicky.





## SinF microGothar Oscillator

A new oscillator type has been added, which is inspired by the microGothar SiF (Sine Function) oscillators. This digital oscillator sounds quite unusual, and at many settings, it even sounds different on each key!



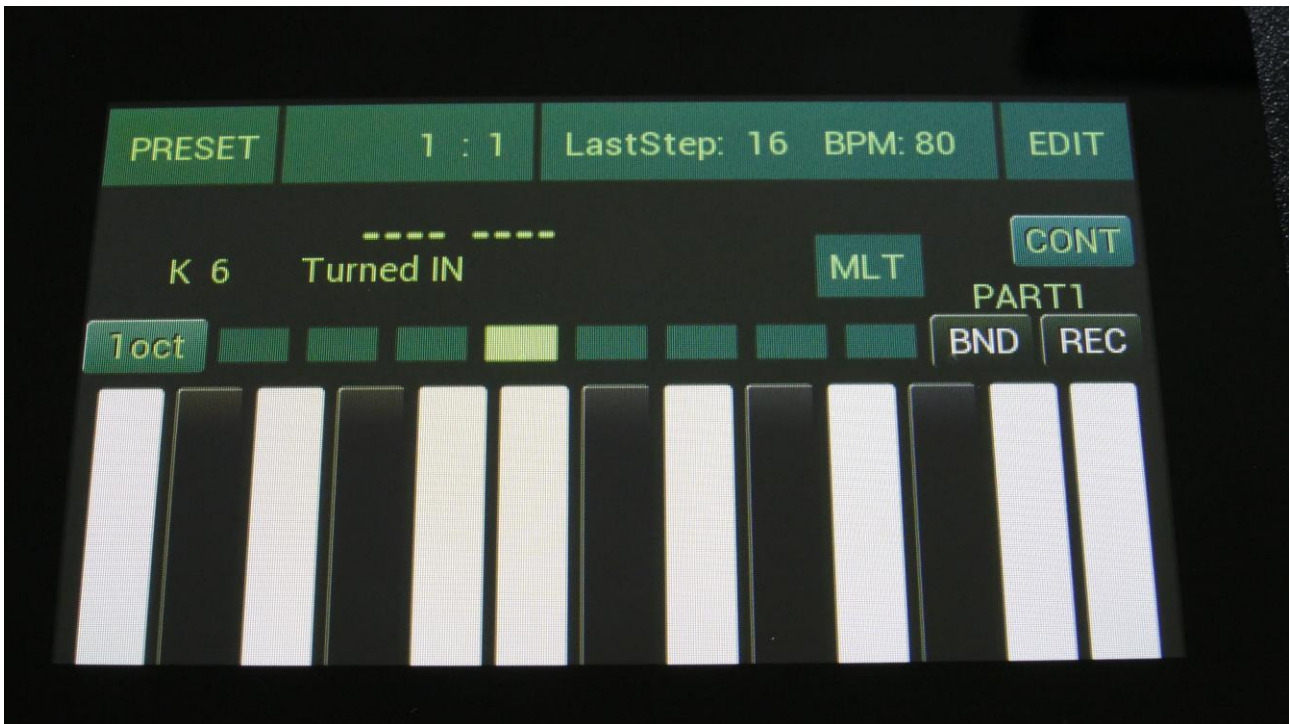
## **Immediate Preset Change!**

When, on the Preset Select Page, you have selected a new preset, which is shown as “Next” on the display, and the Play button is flashing, it is now possible to immediately shift to the next preset, by pushing the Play button.

## Sequencer Continue/Restart function

Usually when you press the play button, to start the playback of a sequence, Zaturon will start playing back the sequence from the start step.

It is now also possible to make it continue from where it was stopped. To make this happen, touch the new "CONT" button on the Preset/Song select page, so that this turns blue. Touch again, so that it turns black, to make the playback start at the start step again.



## **Metronome now only at playback**

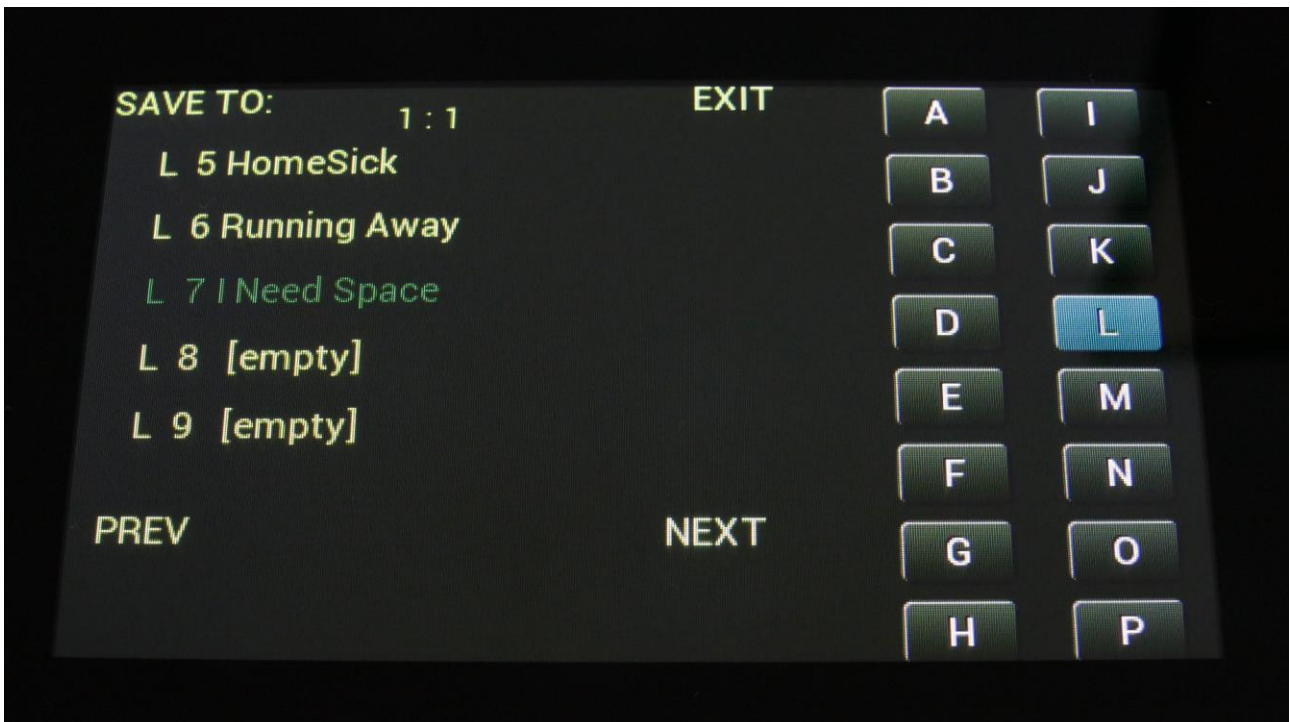
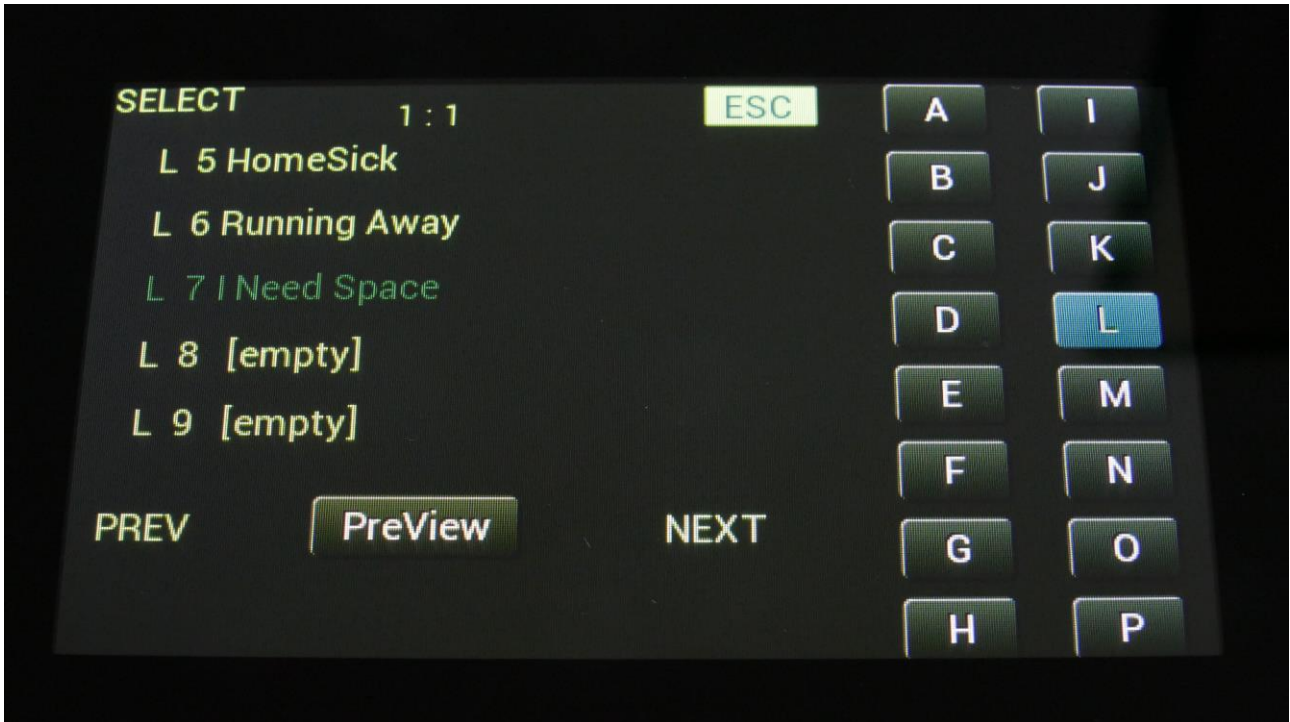
The metronome is now only audible, when the sequencer is playing back.

## Sequencer Count-In

The 2 bars sequencer count-in is now only active, when the metronome is on. When the metronome is off, the sequencer will now start recording without any count-in.

## Bank Select Touch Buttons

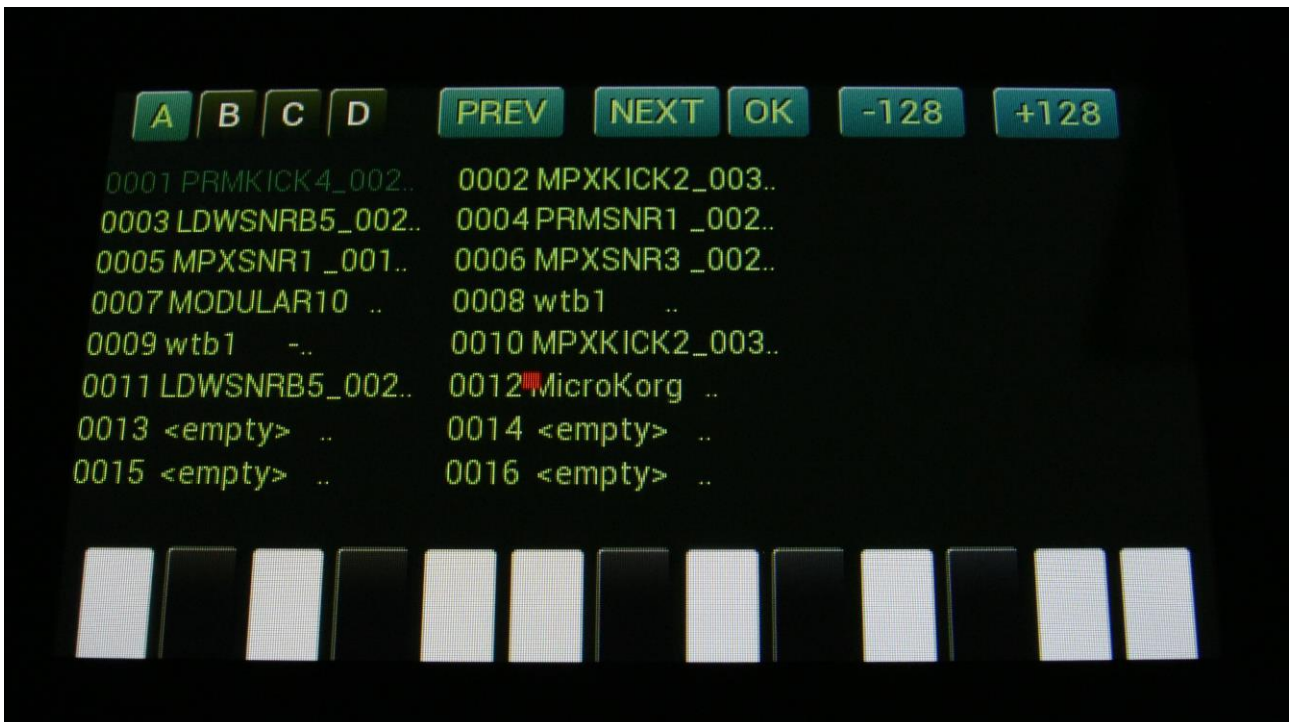
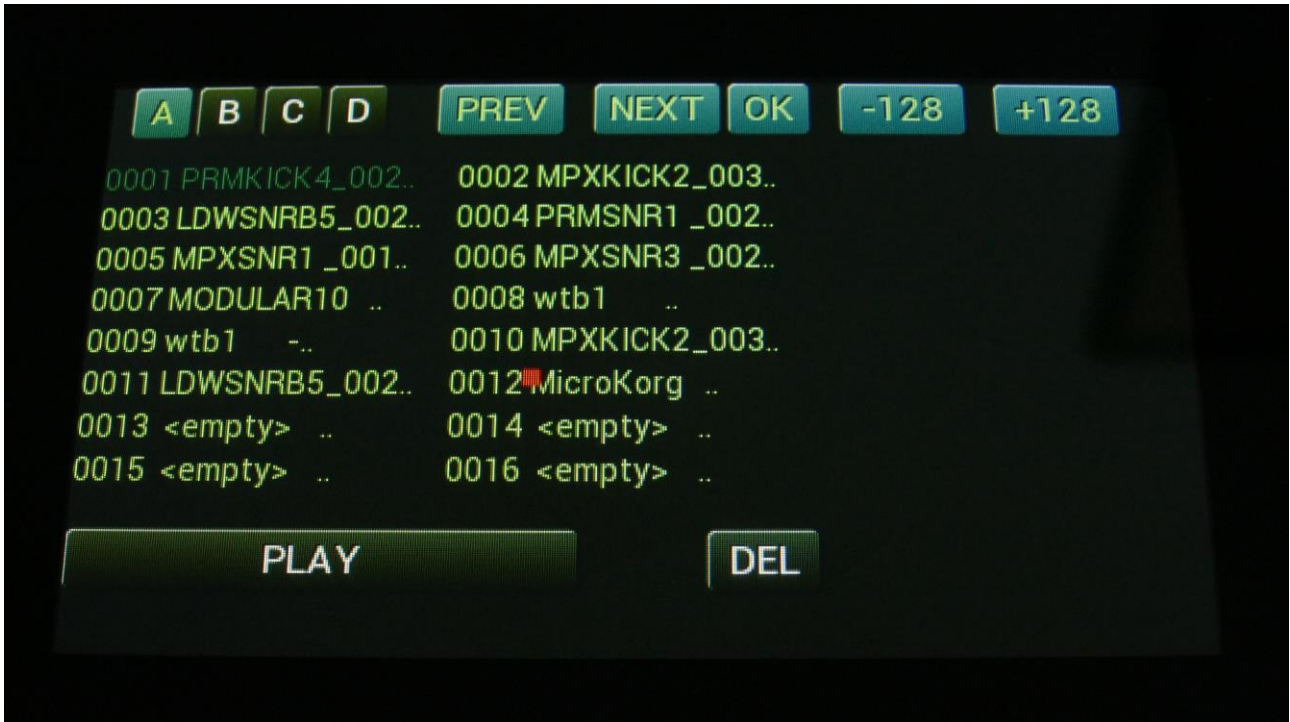
Bank select buttons have been added to the preset select, preset save, song select and song save pages, for faster navigation.





## Sample Select Page Jumps

Some extra touch buttons have been added on the sample select pages, so it is now possible to skip 8 pages (128 samplings) at a time, when using the +/-128 buttons.





Written by  
Flemming Christensen  
2023