

Gotharman's zaTurn



Modular Synthesizer

Update Manual 1.02

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Bug Fixes

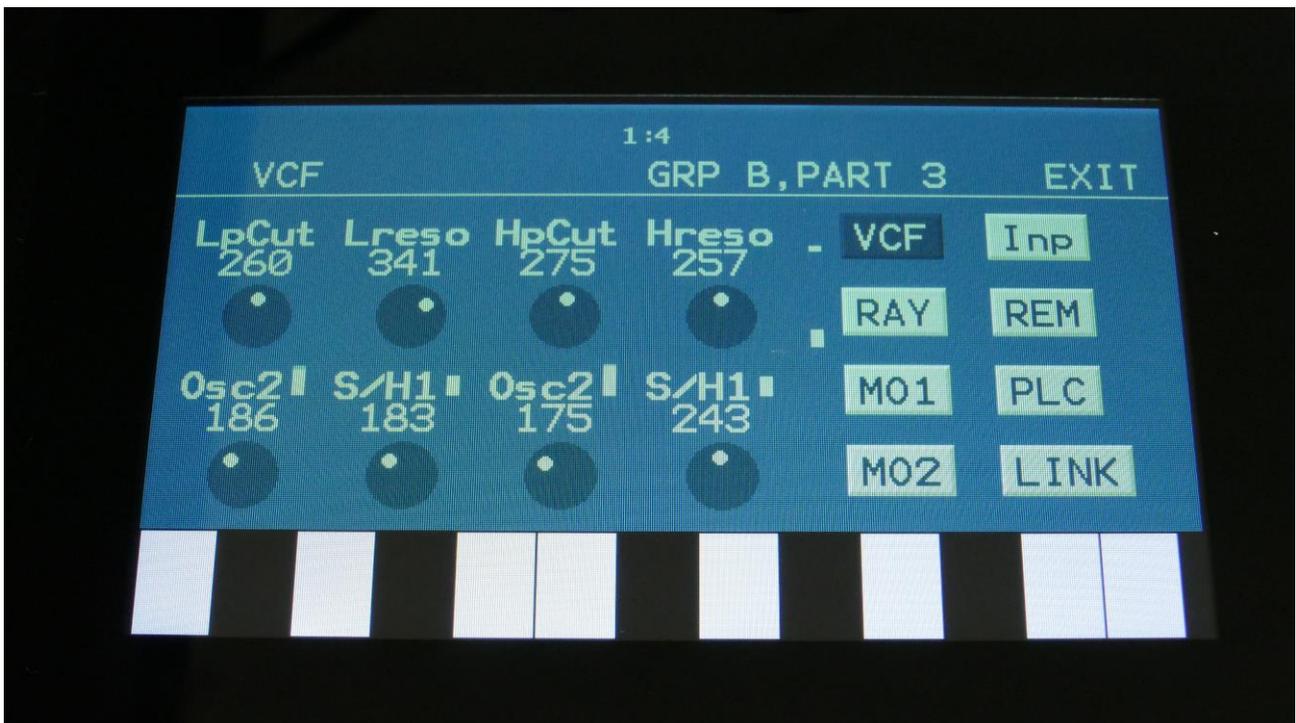
-The Decay Envelopes did not always get triggered as they were supposed to. This has now been fixed.

-Sequencer resolution half/double function would malfunction, if all sub position steps were not set to zero. This has now been fixed.

Spaze Filter Board

A new analog filter board is now available for zaTurn. This has 4 Spaze filters, each with a 24 db highpass filter and a 24 db lowpass filter, connected in serial.

zaTurn can hold the tunings for up to 4 analog filter boards, and it will show on the Preset Select page, which filter board were installed, when the preset was saved, to make it easier to work with several different filter boards. A new chapter has been added to the user manual, explaining how to exchange filter boards in zaTurn.



The parameters are exactly the same as for the original zaTurn filters, except that BpCut and Bres0 are named HpCut and Hreso with the Spaze filter board installed.

4 Analog Filter board tunings

zaTurn can now hold the tunings for up to 4 analog filter boards (only 2 different filter boards are available at the moment, but more will hopefully come). This means, that you will only have to tune each filter board once. When you later wants to swap filter boards, you will just have to select the current filter board, and zaTurn will load its tunings.

Please check the user manual, for information on how to exchange filter boards.

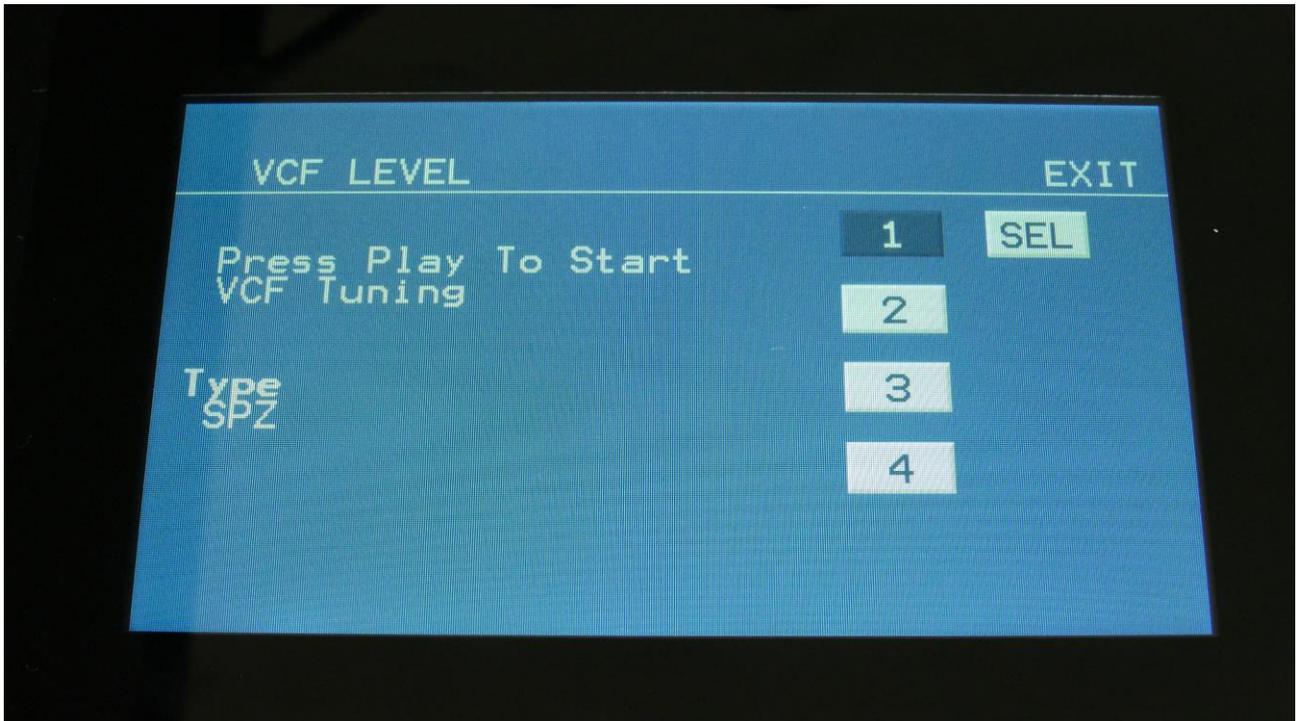


On the Preset Select page, zaTurn shows which filter board were installed, when the currently selected preset were saved, to make it easy to track, which filters were used for which presets. "ZAT" means that the original zaTurn filter board were installed, when this preset was saved.



If the Spaze filters were installed, when a preset was saved, "SPZ" will be shown on the Preset Select page.

To select which filter board is installed, enter the MOR>VCF TUNE page.



Here you can select either the original zaTurn analog filters (ZAT) or the Spaze filters (SPZ), by turning Edit Knob 5.

After you have selected the installed filter board, you can either touch the “SEL” button, to select the filter board, or press the play button, to start the tuning process for the filter board. If you push the SEL button, and the filter board was not previously tuned, some default tuning values will be loaded.

Please notice, that both after the tuning and the SEL process, you will have to power cycle zaTurn, in order for the changes to take place.

3 octaves touch keyboard with pitch bend function



By touching the oct switch to the left above the touch screen keyboard, it is now possible to have 2 or 3 octaves on the keyboard.



When 2 octaves are selected, the upper and lower octaves get divided by a line in the middle of the keyboard. When 3 octaves are selected, the upper, middle and lower octaves get divided by 2 lines.





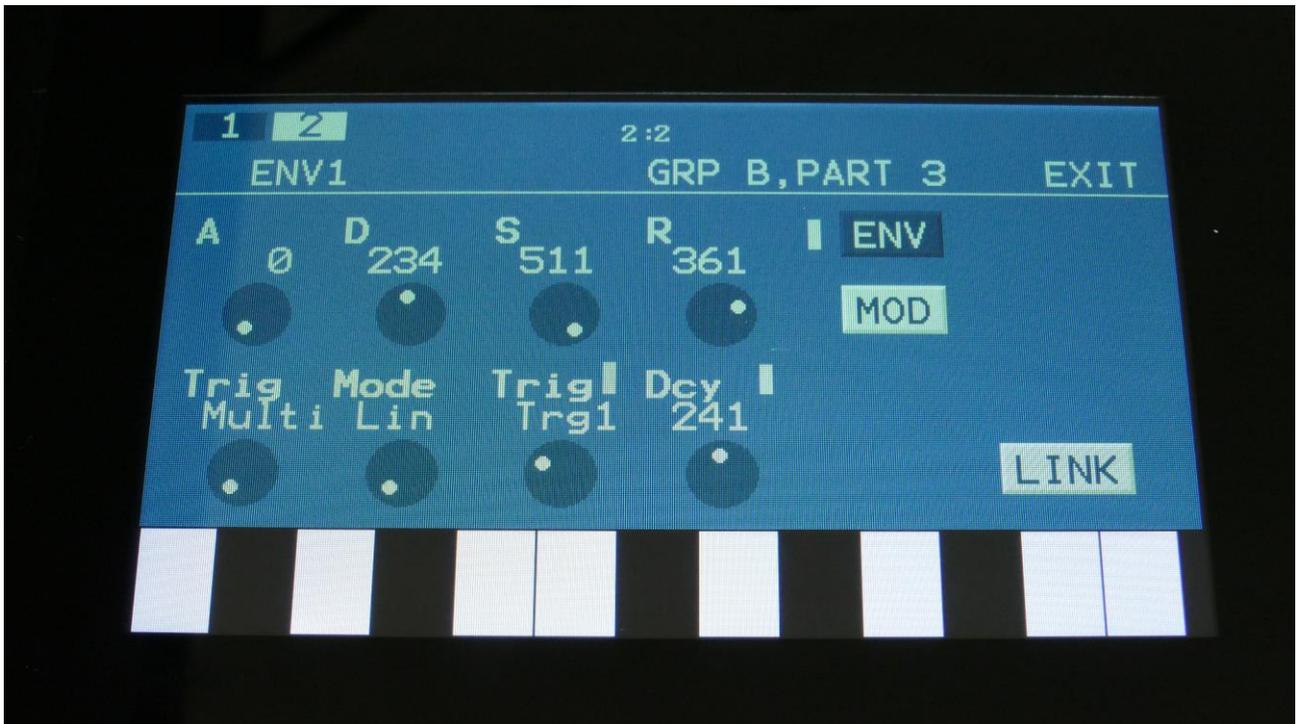
When the keyboard is not in bend mode, swiping your finger over it, will make it trigger each note.

If you activate Bend mode, by touching the “BND” button to the right just above the keyboard, so that this turns dark blue, a note will only be triggered, the moment you put your finger on the keyboard.

Swiping your finger over the middle of the keyboard, will activate the bend function, and you can pitch bend the sound up and down, centered around the middle of the touch keyboard.

Please notice that these new keyboard functions only work on the Preset and Song Select (Main) pages.

Decay Envelope output VU-meter and renaming



An output VU-meter has now been added to the Decay Envelope, near the Dcy parameter.

The name of this parameter has also been changed from D2 to Dcy, in order not to confuse it with Envelope 2.

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