Synclavier REGEN

Using Regen with an Original Keyboard

Partial Volume, Partial Modulation

Original Synclavier II had neither a Partial Volume nor a Partial Modulation control; the loudness of a partial was controlled by the magnitude of the Peak and Sustain levels. In original Synclavier systems, the Peak and Sustain levels started off at 0.0% and were **increased** to bring in the Partial.

Synclavier Regen uses a different envelope generator model. In Regen, the Partial Volume starts of at -∞ (all the way off) and the Peak and Sustain levels start off at 100.0%. To bring a Partial into the mix you raise the Partial Volume above -∞. (Regen reports Partial Volume in dB below peak, so -∞ indicates the Partial is off off; -0.0 dB indicates the Partial is at maximum level).

When using a KBI-1 with Synclavier Regen, a simultaneous press of the Peak and Sustain buttons together to select the Partial Volume or Partial Modulation control.
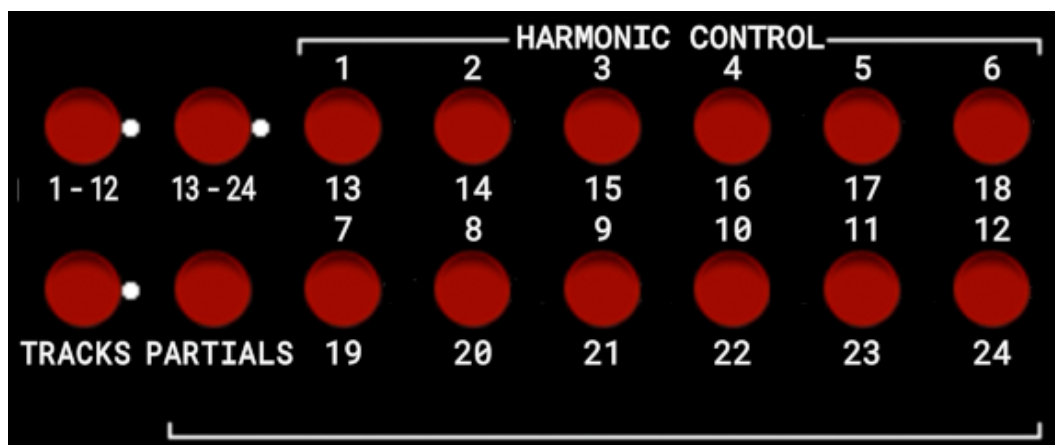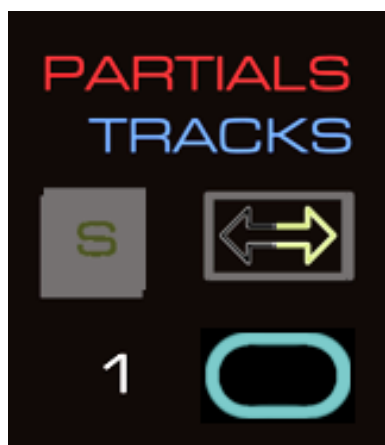
12 Partials

Original Synclavier II had 4 Partials per Timbre; Regen expands that to 12 Partials per Timbre

When using a KBI-1 with Synclavier Regen, the ORK Scale Adjust and Scale Reset buttons are mapped to Tracks and Partials respectively. The Tracks and Partials button activate the Tracks vs Partials setting in Synclavier Regen. The Harmonic Group Select buttons ("1-12" and "13-24") directly bring up the Harmonic Coefficient editing windows in Regen.

Temporary removable labels are included with the KBI-1 to aid in learning the new buttons.
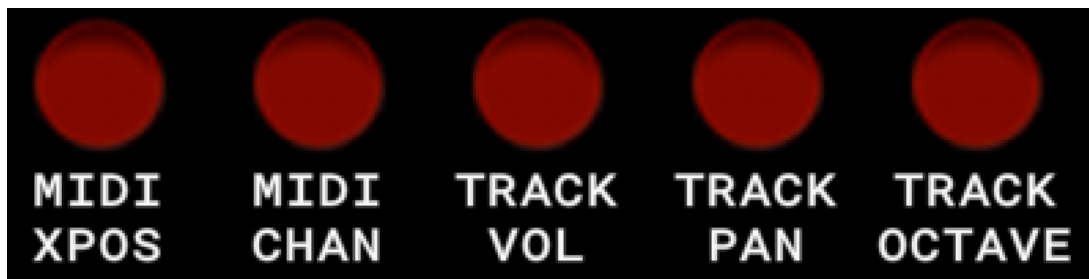

MIDI Transpose, MIDI Channel, Track Volume, Track Pan, Track Octave

Five of the Filter Output buttons on Original Keyboard have been re-assigned as follows.

The MIDI XPOS button controls the MIDI note transposition that is applied to MIDI output from the KBI-1. The MIDI CHAN button controls the MIDI channel number that is applied to MIDI output from the KBI-1. These controls are independent of Synclavier Regen. Press and hold MIDI XPOS and then press MIDI CHAN. Transpositions of +/- 48 semitones are available. When editing MIDI XPOS, pressing Start twice will store the value in the KBI-1 non-volatile memory. Press Stop to exit the XPOS setting mode.

Within Regen, the Track Volume, Track Pan and Track Octave buttons are linked to their respective Regen parameters.

Most of the synthesis parameter buttons - Partial Tuning, FM Ratio, Vibrato (etc.) are also linked to their respective Regen parameter.

The Overall Tuning parameter will increment by semitone when the button is held; otherwise it increments by .001 semitone. A double press will round to the nearest octave, then increment by 12 semitones on successive double presses.

Timbre Bank, Timbre Entry, Sequence Recall

The Bank, Entry and Sequence Recall buttons are integrated with the Synclavier Regen library functions.

Additionally, the Entry Write button can be used to save a Timbre to the SD Card. The Drive Select button can be used to navigate the Preset and User library lists.