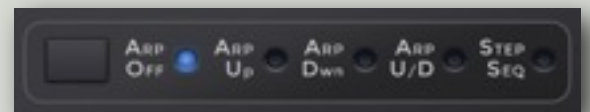# EGSY01 ANALOG SYNTH

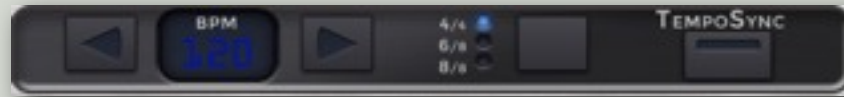## 2 OSC + 4 WAVEFORM + NOISE GENERATOR + VCF + ADSR + LFO + FM + FX + ARP + STEP SEQUENCER

Select the oscillators waveform (sine, saw, triangle or square) and adjust the volume and octave for each oscillator. Detune the second oscillator frequency with DETUNE knob. With NOISE knob white noise can be added to the sound texture.

EGSY01 has 3 Arpeggiator types and a programmable Step Sequencer. With GATE knob it's possible to adjust the note decay and sustain, and with ArpOctaves button you can choose between 3, 4 or 5 octaves.

Click on SEQUENCER button to open the stepper panel (see pic below) and draw your own arpeggios and rhythm. You can set the sequencer steps from 4 to 16 steps. Row value for each step (starting from the top) is root pitch, interval of fifth, 1up octave, 1up octave fifth, 2up octave.
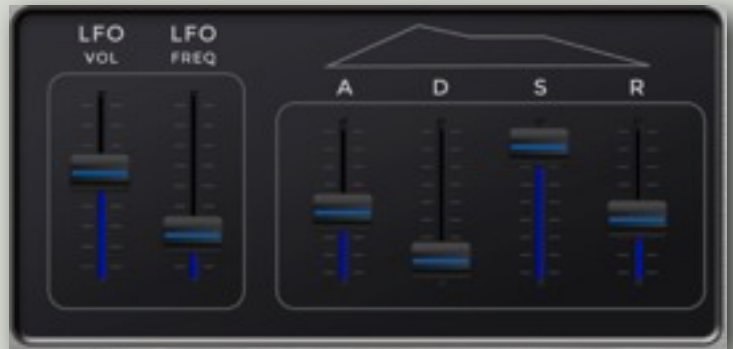
Inside TEMPO panel user can set the arpeggiator time tapping on the time label or using the up/down arrows (long press on them to move time by 10 value).

It's also possible to choose the time subdivision switching between 4/4, 6/8 or 8/8.

TEMPO SYNC button will sync the delay time with arpeggiator time, to create perfect rhythm and time signature.

User can add LFO (Low Frequency Oscillator) to the sound, controlling its volume and oscillation frequency.

In this panel it's also possible to set the ADSR Envelope of the note; Decay and Sustain are linked to GATE knob into the Arpeggiator section.

EGSY01 can generate FM synthesis working on two operator. FM1 controls the synth frequency with a Sine Waveform and FM2 controls FM1 frequency with a Saw Waveform. For each operator volume and ratio are adjustable.

The Assign Panel set what parameter can be controlled by the MODULATION touch control on the left of the keyboard. User can choose between LowPass and HiPass filters, octave of first oscillator or second oscillator, VCF cutoff and Pitch Bend.

The OCTAVE touch control will move the keyboard octave, on a range of 6 octaves.
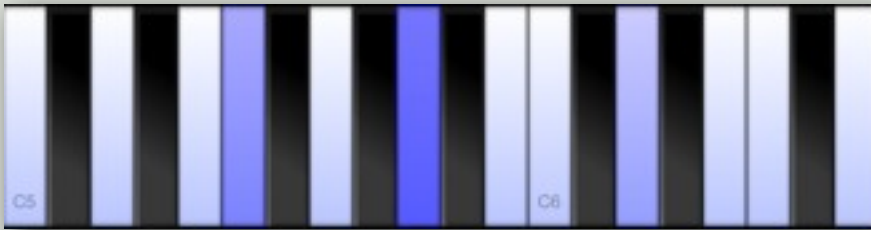
EGSY01 can be connected to other iOS apps, MIDI devices and network MIDI sessions (MIDI channel is configurable). It can also send audio to InterApp audio hosts or via Audiobus protocol.

SETTINGS button allows even old devices to perform without glitches, choosing the buffer size and the number of voices for polyphony.

GLIDE slider will affect keyboard and arpeggiator portamento.

ZOOM button allows user to set his favorite keyboard zoom, pinching on it.

HOLD button will not send noteOff event to synth, working like a sustain pedal with infinite sustain.

EGSY01 keyboard is touch sensitive on y-axis, giving user total control of VCF cutoff to obtain high level of expression in his performance.

Keys color depends on the cutoff value, giving immediate response on the resonance change.

Swipe on a preset to open the edit menu and overwrite or delete the current preset.

ELLIOTTGARAGE
EGSY01