

Specifications

Poly Evolver Keyboard Front Panel



General

All three instruments have exactly the same voice structure and can be chained together for more polyphony.

- The Evolver is a monophonic (one voice) table-top stereo synthesizer, with easy to program matrix-style front panel utilizing 8 endless-turn knobs
- The Poly Evolver Keyboard is polyphonic with four Evolver stereo voices, high quality 5 octave weighted keyboard (with velocity and aftertouch) and 78 endless-turn knobs for instant editing
- The Poly Evolver Rack is the same instrument in a 1U rack space; great for voice expansion
- The Poly Rack comes with a free stand-alone editor for both the PC and the Mac OSX. Optionally available for the Evolver and Keyboard from our website.

Each voice includes

- Four oscillators: two analog, two digital
- Analog Oscillator waveshape are Sawtooth, Triangle, Saw-Triangle, and Pulse (with voltage-controlled analog Pulse-Width modulation)
- Digital Oscillators select from 96 wavetables from the Prophet-VS, and 32 user-loadable (via MIDI) Wavetables. The Digital Oscillators get trashy as the frequency gets higher, as with the original VS.
- Hard Sync on the analog oscillators

- FM and Ring Mod on the digital oscillators
- Glide programmable per oscillator!
- Real Curtis voltage-controlled analog lowpass filters not digital recreations. 4-pole/2-pole switchable, fully resonant (and calibrated). There are two separate filters, one in the left channel and one in the right.
- Stereo analog Voltage Controlled Amplifiers (VCA)
- Stereo digital 4-pole Highpass filters which can be placed before or after analog electronics
- Stereo/Mono external audio inputs; Noise generator
- Envelope Follower and Peak Detect from external Input to use as modulation sources
- External Input can be used to gate envelopes and/or step the Sequencer. The sequences can be gated from the keyboard for wild wave-sequencing sounds.
- Three snappy ADSR envelopes
- Four LFOs (sync with sequencer and/or MIDI)
- Dual (left and right channel) tunable feedback loops; modulate frequency and amount
- Delay with 3 taps; each with separate time and amount modulation. Syncs to sequencer/MIDI. Normal feedback and additional feedback path through analog filters
- Stereo Distortion; can be placed before or after analog electronics
- 4 Banks of 128 Programs for 512 total Programs. Dump to/from MIDI

- The Polys have an additional 3 banks of Combos, where you can control each voice separately for stacking, splits, multiple sequences, voice-per-MIDI-channel, etc.
- 16 x 4 Analog-style step sequencer - syncs with MIDI. Every Program has it's own sequence
- Extensive Modulation capabilities, including audio-range modulation. Bipolar (+/-) modulation
- The Polys have individual stereo outputs on all four voices.
- Etc. Etc. Etc.!

Miscellaneous

- Evolver is 10.75" wide, 6" deep, and 1.5" high (27 x 15 x 4 cm)
- The Poly Evolver Rack is a 1U rack with removable rack ears, 17" x 9.25" (43 x 23.5 cm) with ears removed.
- The Keyboard measures in at 38.5" wide, 14" deep, and 4" high, and weighs 23 pounds.
- All units have universal power supplies that run virtually everywhere; 100 – 240 VAC, 50-60 Hz. Includes Euro AC adapters.

Dave Smith
INSTRUMENTS

All instruments are made in Northern California
For more information, to hear sound samples, or find dealers,
please visit www.DaveSmithInstruments.com