

Spirit Features

- Based on the original synthesizer and circuit designs of Robert A. Moog, Tom Rhea, Jim Scott, and Crumar's Sante Crucianelli
- Spirit has been significantly enhanced with expanded functionality and modulation options
- Monophonic, unison, polyphonic (4, 8, or 16 voices), and cycle voice modes
- Multi voice modes for unison, poly, and cycle that add per-note variation by adding three additional "mini synth" panels, each with their own pitch, pan, filter frequency, VCA Envelope Attack, and VCA Envelope Release settings
- Quick-access multi-voice panel presets such as Hard Panned, Slightly Detuned, Well Worn, and more to simulate subtle or extreme variations between voices
- Over 430 professionally designed presets in a dozen categories
- Two oscillators with master tune, octave, waveshape, and oscillator sync
- Oscillator B features modes to create a fixed frequency in two ranges – Bass and Wide – for drones, audio-rate modulation, or an additional LFO
- Dedicated Upper low pass filter and multimode Lower filter
- Flexible filter section with keyboard tracking, a fixed formant option for the Lower filter (to add vocal-like color), and low pass slope options
- Two ADSR envelopes with velocity for filter and amp
- Extensive modulation options in Mod X and Shaper Y sections, each routable to dedicated mod wheels
 - Mod X modulation sources: Triangle, Square, Random (Sample & Hold), Shaper Y, Red Noise, Oscillator B. Sync or retrig
 - Mod X destinations: Oscillator A + B, Oscillator A, Oscillator A rectangular width modulation (RWM), Filter Upper + Lower, Upper Filter
 - Shaper Y modes: Free Run (extra LFO), KB Hold, Run, Reset (Envelope and Filter Effects). Sync or loop.
 - Shaper Y destinations: Oscillator A + B, Oscillator B, Oscillator B RWM, LFO Rate, Lower Filter
- Cherry Audio's "Matrix Z" four-slot mod matrix with four independent pathways to send modulation from one of 25 sources to any of 45 destinations, each with its own amount knob
- Multiple gate options for ADSRs allow for complex triggering
- Two independent mixers and signal paths for Shaper Y and Filter/ADSR with independent outputs
- Glide and pitch bend controls
- Dynamic arpeggiator with three modes – Ripple, Arp, and Leap – with Swing, Chance, and Feel to add degrees of randomness to arpeggiated patterns
- Two independent chains of studio-quality integrated effects with a global effect modulator:
 - Filter/ADSR Effects: Distortion, Flanger & Chorus, Echo, and Reverb
 - Shaper Y Effects: Envelope Filter, Dual Phaser, Flanger & Chorus, and Echo
- Standalone virtual instrument and plug-in versions included
- Super accurate DAW sync
- User-adjustable oversampling control
- Complete MIDI control and DAW automation for all controls, with easy-to-use MIDI learn and mapping (Preset and Global)
- Cherry Audio's popular Focus zoom-in feature, as well as standard UI zoom and resize via drag
- Complete documentation available directly online from the instrument or in downloadable PDF format