

## P-10's Massive List of Features

- Highly optimized, massive dual-layer voicing architecture with 16 polyphonic voices per layer. Configurable as two independent synths, a single synth, dual-preset layered, or alternating between layers with each keystroke
- Keyboard split or stacked layer modes allow two simultaneously playable layers, with separate per-layer controls for all parameters, including arpeggio and effects
- Per-layer controls for pan, volume, and tune
- Over 500 professionally designed presets, including the original P5 and P10 factory patches, accessible in a convenient preset browser
- Exquisitely rendered and immersive UI with show/hide keyboard option
- Two virtual VCOs per voice based on the CEM3340 with simultaneously available ramp, triangle, or variable-width pulse waveforms
- Per-layer controls for noise, glide, number of voices, unison with detune, mono retrigger, and drone
- Accurate reproduction of unique oscillator sync implementation
- Virtual VCF filter based on the CEM3320 with the classic 24 dB/oct lowpass mode, expanded with a highpass mode
- LFOs with all original waveforms plus additional random waveform and tempo-sync+key reset for creative synced patches
- Pressure Mod with support for mono and polyphonic aftertouch, routable to oscillator frequencies and pulse width, filter cutoff, VCA amplitude, LFO amount and frequency
- Poly Mod, which utilizes individual voices' filter envelopes and/or Oscillator B to enable each voice to have its own modulation routed to Oscillator A pitch, Oscillator A pulse width, filter cutoff, and amplitude
- Mono Mod allows LFO and/or noise to modulate frequency and pulse-width of both oscillators, filter cutoff, and amplitude
- Aux Mod extends the original Pedal Mod section to any MIDI hardware control, allowing mod of oscillator frequencies, filter cutoff, VCA amplitude, or Mono-Mod amount
- Per-layer drift control subtly varies oscillator and filter parameters for authentic analog character
- Extensive layer utility functions for duplicating and exchanging synthesis and effects parameters between layers and presets
- Step Sequencer consisting of four individual monophonic sequences, each with a user-definable length of up to 128 steps, assignable to either layer, and stored individually with each preset
- Step Sequencer utility operation for copying, swapping, and moving sequencer data between tracks, or from one presets to another
- Arpeggiator with tempo sync, independently assignable to both layers
- Two independent studio-quality effects chains with global or dual layer modes: distortion, 4/6/12-stage phaser, flanger/chorus, three types of delay with sync, and five types of reverb
- Independent, per-layer FX-LFOs with all original waveforms plus additional random waveform and tempo-sync+key reset for creative synced patches
- Independent, per-layer FX Pressure-Mod that utilizes mono aftertouch data to modulate key effects parameters
- Independent, per-layer FX Mono-Mod allows LFO and/or noise to modulate key effects parameters
- Directly import original P5 and P10 patch bank SysEx data (Syntech format) via drag-and-drop
- 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
- Highly optimized coding for optimal performance and multithreaded processing for presets using Split and Layer modes
- User-adjustable oversampling control