

SEQUENTIAL POLYPHONIC SYNTH COMPARISON

FEATURE	PROPHET XL	PROPHET X	PROPHET REV2 8/16 Voice	OB-6	PROPHET-6	PROPHET-5 &10 Rev 4	Prophjet 12 Module
Voices	8 stereo, 16 mono, 32 paraphonic	8 stereo, 16 mono, 32 paraphonic	8-16	6	6	5 or 10	12
Split/Stack	2-way split/bi-timbral	2-way split/bi-timbral	2-way split/bi-timbral				2-way split/bi-timbral
Oscillators per voice	2	2	2 (plus sub osc, plus noise)	2 (plus sub osc, plus noise)	2 (plus sub osc, plus noise)	2 plus noise	4 (plus sub osc)
Oscillator Type	digital with waveshaping	digital with waveshaping	analog DCO with waveshaping	analog VCO	analog VCO	analog Curtis 3340 VCO	digital
Superwaves	Yes, supersaw	Yes, supersaw					
Digital Samples	Yes. Two 16-bit, 48 kHz multi-sampled instruments per preset	Yes. Two 16-bit, 48 kHz multi-sampled instruments per preset					Yes
Analog Filters	2 x analog 4-pole resonant low-pass filter per voice in 8-voice mode	2 x analog 4-pole resonant low-pass filter per voice in 8-voice mode	1 low-pass (Curtis) 2/4-pole operation	state-variable (custom discrete) low-pass, band-pass, high-pass, notch	1 low-pass (custom discrete) 1 high-pass (custom discrete)	Selectable 2040-style Rossum 4-pole filter or Curtis 3320 4-pole filter	1 low-pass (Curtis) 1 high-pass (custom discrete)
Effects	2 digital effects per layer (4 Reverb, Chorus, Flanger, Phaser, Stereo Delay, Bucket-Brigade Delay, Distortion, Ring Mod, Vintage Rotating Speaker, High-Pass Filter)	2 digital effects per layer (4 Reverb, Chorus, Flanger, Phaser, Stereo Delay, Bucket-Brigade Delay, Distortion, Ring Mod, Vintage Rotating Speaker, High-Pass Filter)	1 digital effect per layer (Chorus, Flanger, Phaser, Ring Mod, Mono Delay, Stereo Delay, Bucket-Brigade Delay, Reverb, Distortion, High-Pass Filter)	Dual digital effects processor (Chorus, Flanger, Phaser, Ring Mod, Delay, Bucket-Brigade Delay, Reverb - Hall, Room, Plate, Spring) Stereo Analog Distortion	Dual digital effects processor (Chorus, Flanger, Phaser, Ring Mod, Delay, Bucket-Brigade Delay, Reverb - Hall, Room, Plate, Spring) Stereo Analog Distortion		4 Digital Delays 5 Character FX (Girth, Air, Hack, Decimate, Drive) Feedback Stereo Analog Distortion
Mod Matrix	16 slots 28 sources 88 destinations	slots 28 sources 88 destinations	8 slots 22 sources 52 destinations	"X-Mod" 2 sources (Filter Env, VCO 2) 6 destinations (VCO 1, Shape 1, PW 1, Normal <-> BP, Filter Freq, Filter Mode)	"Poly Mod" 2 sources (Filter Env, Osc 2) 5 destinations (Freq 1, Shape 1, PW 1, LPF, HPF)	"Poly Mod" 2 sources (Filter Env, Osc B) 3 destinations (Freq A, PW A, LPF)	16 x 2 26 sources 100 destinations
LFOs	4	4	4	1 global	1 global	1 global	4 per voice
Envelopes	4 (1 filter, 1 amplifier, 2 auxiliary)	4 (1 filter, 1 amplifier, 2 auxiliary)	3 (1 filter, 1 amplifier, 1 auxiliary)	2 (1 filter, 1 amplifier)	2 (1 filter, 1 amplifier)	2 (1 filter, 1 amplifier)	4 (1 filter, 1 amplifier, 2 auxiliary)
Sequencer	64-step, polyphonic seq	64-step, polyphonic seq	64-step, polyphonic sequencer 16 step x 4 track gated step seq	64-step, polyphonic seq	64-step, polyphonic seq		
Arpeggiator	Yes	Yes	Yes	Yes	Yes		Yes, programmable
CV In/Out						Single CV/Gate In & Out	
Ext Audio Input							
Performance Touch Slider	2	2					2
Desktop version available?			Yes	Yes	Yes	Yes	Yes
Polychain				Yes, 12 voices max	Yes, 12 voices max		
Keyboard Length	6 octaves, 76 keys	5 octaves, 61 keys	5 octaves, 61 keys	4 octaves, 49 keys	4 octaves, 49 keys	5 octaves, 61 keys	
USB	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MIDI	In, Out, Thru	In, Out, Thru	In, Out, Thru	In, Out, Thru	In, Out, Thru	In, Out, Thru	In, Out, Thru
Pedal Inputs	1 sustain, 1 expression, 1 sequencer	1 sustain, 1 expression, 1 sequencer	1 sustain, 1 expression, 1 sequencer	1 sustain, 1 volume, 1 filter cutoff, 1 seq start/stop	1 sustain, 1 volume, 1 LP filter cutoff, 1 seq start/stop	1 sustain, 1 volume, 1 LP filter cutoff	1 sustain, 2 expression
Recommended For:	This is 76-key, semi-weighted action version of the Prophet X is ideal for the studio or live performance. Super versatile, it has the power to modulate both samples and synth parameters. Great for traditional instruments such as piano, electric piano, organ, drums, strings, guitar, and also complex pads, effects, and evolving textures. Nearly endless sonic possibilities	Studio or live performance. Super versatile, it has the power to modulate both samples and synth parameters. Great for traditional instruments such as piano, electric piano, organ, drums, strings, guitar, and also complex pads, effects, and evolving textures. Nearly endless sonic possibilities	Thick, warm, analog sound. Massive 16-voice polyphony. Great for both vintage synth tones and complex sound design through its deep modulation matrix. Two-part sound stacking and splitting provides flexibility and timbral complexity. Two powerful sequencers add vast possibilities for music composition and sound design. Amazingly versatile and a true analog powerhouse.	Classic big, punchy, Oberheim analog sound. Excels at everything a vintage poly synth does, but with a broader tonal palette and greater reliability. Fat tone, ease of use, built-in effects, and portability make it a natural for on stage. Equally well suited to studio work due to its superb sound and ability to sit well in a mix. Along with the Prophet-6, sets the standard for modern analog poly synths.	Classic big, punchy, Prophet analog sound. Excels at everything a vintage poly synth does, but with a broader tonal palette and greater reliability. Fat tone, ease of use, built-in effects, and portability make it a natural for on stage. Equally well suited to studio work due to its superb sound and ability to sit well in a mix. Along with the OB-6, sets the standard for modern analog poly synths.	The return of a classic. Authentic analog synthesizer with Curtis VCOs, and both Curtis and Rossum-designed filters provide the true sonic magic of the original Prophet-5 versions 1, 2, and 3. But in this modern reincarnation the capabilities are expanded beyond the original to include velocity and aftertouch, full MIDI, and USB. A unique "Vintage" control provides continuous variability between the musical volatility of the Rev 1 to the rock-solid stability of the Rev 4. All of this is available in a 10-voice version, as well.	A sound designer and performer's polyphonic dream synth. Super versatile, it has the depth of a modular but is faster and easier to use. Crystal-clear tone is great for complex pads, effects, and evolving textures, but handles classic synth sounds equally well. Nearly endless sonic possibilities.