



## KURZWEIL MUSIC SYSTEMS PC3X SPECIFICATIONS

Sound Engine	Dynamic V.A.S.T./KB3/VA-1
Keyboard	88-note, fully weighted hammer action, Velocity and Aftertouch, quick-release spring
Controls	(9) data sliders/drawbars, (76) switches, (1) master volume slider, (1) Data Entry dial, mod wheel, pitch-bend wheel
Polyphony	128-voice, dynamically allocated; 16-part multitimbral (1 per MIDI channel)
RAM/Preset Locations	freely assignable Program and Object file number locations (1–9,999) arranged in banks of 100 with memory available for 1,024 user presets; over 850 factory V.A.S.T. presets and 64 KB3 programs installed into ROM
Audio I/O and Sync	24-bit DAC; (1) balanced ¼" TRS main output pair, where left acts as mono; (1) balanced ¼" TRS aux output pair; (1) 75Ω RCA jack for AES or S/PDIF output; (1) 75Ω RCA jack for digital sync input; (1) ¼" headphone output
Data/Expansion	(1) USB port; (1) xD memory card slot; (2) Kurzweil sound ROM expansion slots
MIDI I/O	(1) MIDI In, (1) MIDI Out, (1) MIDI Thru (hardware switchable to duplicate MIDI Out); USB can also be used for MIDI
Oscillators	multiple assignable in V.A.S.T. and VA-1 modes; up to 96 in KB3 mode
Filters	multiassignable in V.A.S.T. algorithms; including 1- and 2-pole resonant LP, HP, bandpass, notch, 4-pole Moog-type LP, and more
Envelope Generators (per Program layer)	(3) loopable with tristage attack, one decay, and three release portions; (1) simplified ASR
Sequencer	16 tracks; 480 ppqn resolution; quantize/swing; pattern "clip" and looping features; event list editor
Arpeggiator/Phrase Playback	16 full-featured, independent arpeggiators with multiple latch modes, selectable play order, velocity, duration, tempo, and sync functions; up to 16 prerecorded beats and musical phrases (Riffs) per Setup
Effects	16 insert effects distributed over 12 buses, plus 2 auxiliary sends; over 300 reverbs, delays, chorus, flange, phaser, EQs, distortions, Lesliesimulators, compressors, and more; independent global master EQ section and master compressor
Pedals and Control	(3) ¼" TS switch pedal inputs; (2) ¼" TRS inputs for 10 kΩ linear-taper continuous control pedals; (1) 3.5 mm breath-controller input (Yamaha type); (1) modular jack to accept optional Kurzweil Super Ribbon Controller input
Display	240 × 64-pixel angled, backlit LCD (white on blue) w/dedicated back-panel brightness and contrast controls
Power Supply	internal 120/240 VAC; IEC connector
Dimensions	54.33" (W) × 4.33" (H) × 13.98" (D)
Weight	54 lbs.