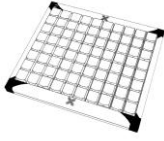


# X-keys® XK-60, XK-80 Specifications

for XK-0979-UBK60-R (and -B) and XK-0980-UBK80-R (and -B)



- 60 or 80 Programmable keys
- Clear, removable key caps for applying and changing legends
- Includes software for Windows and Mac
- Free Software Development Kits for programmers
- Two color addressable backlighting (red and blue)

The X-keys XK-60 and XK-80 feature keys with independent backlighting. MacroWorks software for Windows and ControllerMate software for Mac OS X combine ease of programming with a wide and flexible range of options. P.I. Engineering's Pi3 firmware supports direct communication for the software developer and our new reflector feature sends messages to even the most reluctant software. The X-keys may also be configured as a standalone USB keyboard with macros programmed in onboard non-volatile memory.

P.I. Engineering provides Software Development Kits to support all input and output data for the X-keys. Our SDKs includes examples for C#, C++, and VB.NET with a separate SDK for Linux. Unique unit ID supports multiple units on the same system.

## Specifications

<b>Operating System</b>	Use: Any OS via USB HID   Programming: Windows XP through 10, Mac OS X 10.4 through 10.10
<b>Free Programming Software</b>	Windows: MacroWorks 3.1   Mac: ControllerMate for X-keys
<b>Free Software Development Kits</b>	Windows (C++, C#, VB.NET), Linux (C++), Android (Java), raw HID (any language/OS)
<b>Emulation Modes</b>	HID keyboard, HID mouse, HID game controller
<b>Switch Type</b>	Full-travel rubber dome, carbon on gold contacts, guaranteed for over 1 million operations
<b>Number of Keys</b>	60 or 80 single keys, 1 programming button
<b>Actuation Force</b>	Approx. 2.5 oz (72g) break-over, approx. 1.5 oz (42g) hold
<b>Keycaps</b>	0.625" (16mm) sq.; relegendable with Cherry MX compatible stem
<b>Key Spacing</b>	0.75" O.C.
<b>Optional Keys</b>	2x1, 1x2, 2x2, and 1x1 blocker
<b>Backlighting</b>	1 blue and 1 red addressable LED under each key
<b>Connector</b>	Wired USB 2.0 standard "A" plug
<b>Cord Length</b>	56" (1.42 m)
<b>Dimensions</b>	8.25" x 7.25" x 0.94" (210mm x 184mm x 24mm)
<b>Weight</b>	26 oz. (737 g)
<b>USB type</b>	USB 1.1 (compatible through 3.0)
<b>Power Source</b>	USB port, nominal voltage = 5 vdc
<b>Power Consumption</b>	XK-60: No LEDs: 32 mA, Blue LEDs max: 98 mA, Red LEDs max: 145 mA, All LEDs max: 202 mA XK-80: No LEDs: 32 mA, Blue LEDs max: 123 mA, Red LEDs max: 181 mA, All LEDs max: 257 mA
<b>Temperature Range</b>	-20 to 60 C
<b>Memory Capacity</b>	Approximately 21,000 keystrokes or commands in onboard memory
<b>Memory Type</b>	EEPROM, non volatile memory (X-keys retains memory for over 200 years)
<b>Environmental Rating</b>	IP 40, typical indoor office environment
<b>Certifications</b>	FCC class B, CE, RoHS, WEEE compliant

Specifications subject to change without notice

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