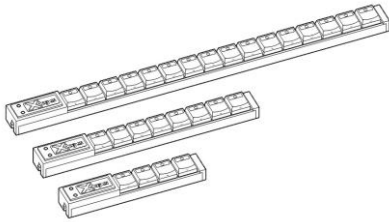


X-keys® XK Series Stick Specifications

for XK-16, XK-8 and XK-4 Sticks

- 16, 8, Or 4 programmable keys
- Clear, removable key caps for applying and changing legends
- Includes programming software for Windows and Mac
- Free software development kits for developers
- Addressable blue backlighting for each key



The X-keys XK series Sticks feature programmable keys with independent backlighting. MacroWorks 3.1 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 Stick may also be configured as a standalone USB keyboard with macros programmed in onboard non-volatile memory.

Free software development kits support all input and output data. Our SDK includes examples for C#, C++, and VB.NET and a separate SDK for Linux. Unique unit ID supports multiple units on the same system.

Specifications

Operating System	Use: Any OS via USB HID Programming: Windows XP through 10, Mac OS X 10.4 through 10.10
Free Programming Software	Windows: MacroWorks 3.1 Mac: ControllerMate for X-keys
Free Software Development Kits	Windows (C++, C#, VB.NET), Linux (C++), Android (Java), raw HID (any language/OS)
Emulation Modes	HID keyboard, HID mouse, HID game controller
Switch Type	Low profile tactile, guaranteed for over 1 million operations
Number of Keys	16, 8, or 4 single keys, 1 programming slide switch
Actuation Force	Approx. 6 oz (170g) break-over, approx. 2 oz. (57g) hold, audible click
Keycaps	0.625" (16mm) sq.; relegendable with window for backlight and square stem
Key Spacing	0.75" O.C.
Backlighting	1 blue addressable LED under each key
Connector	Wired USB 2.0 standard "A" plug
Cord Length	118" (3 m)
Dimensions and Weight	XK-16: 14.25" x 0.9" x 0.65", (362 mm x 23 mm x 17 mm), 7 oz. (200 g) XK-8: 8.2" x 0.9" x 0.65", (208 mm x 23 mm x 17 mm), 4 oz. (115 g) XK-4: 5.35" x 0.9" x 0.65", (136 mm x 23 mm x 17 mm), 3 oz. (85 g)
USB type	USB 1.1 compatible through 3.0 Type-c with adapter
Power Source	USB port, nominal voltage = 5 vdc
Power Consumption	XK-16: no backlighting: 21mA, backlighting at full intensity: 32mA XK-8: no backlighting: 19mA, backlighting at full intensity: 28mA XK-4: no backlighting: 19mA, backlighting at full intensity: 26mA
Temperature Range	-20 to 60 C
Memory Capacity	Approximately 21,000 keystrokes or commands in onboard memory
Memory Type	EEPROM, non-volatile memory (X-keys retains memory for over 200 years)
Environmental Rating	IP 40, typical indoor office environment
Certifications	FCC class B, CE, RoHS, WEEE compliant

Specifications subject to change without notice

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