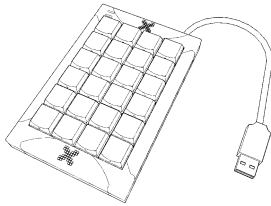# *X-keys®* XK-24 Black & White Specifications

for XK-1483-UABK24-R

- *24 programmable keys*
- *Clear, removable key caps for applying and changing legends*
- *Includes programming software for Windows and Mac*
- *Free software development kits for developers*
- *Two color addressable backlighting (red and blue)*

The X-keys XK-24 Black & White features 24 keys with independent backlighting and a black case. 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 XK-24 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	Full-travel elastomer dome, carbon on gold contacts, guaranteed for over 1 million operations
Number of Keys	24 single keys, 1 programming button
Actuation Force	Approx. 2.5 oz (72g) break-over, approx. 1.5 oz (42g) hold
Keycaps	0.625" (16mm) sq.; relegendable with Cherry MX compatible stem
Key Spacing	0.75" O.C.
Optional Keys	2x1, 1x2, 2x2, and 1x1 blocker
Backlighting	24 white addressable LED under each key
Connector	Wired USB 3.0 standard "A" plug
Cord Length	118" (3 m)
Dimensions	5.8" x 3.8" x 0.94" (147mm x 97mm x 24mm)
Weight	12 oz. (340 g)
USB type	USB 1.1 compatible through 3.0 Type-c with adapter
Power Source	USB port, nominal voltage = 5 vdc
Power Consumption	No backlight: 18 mA, Blue backlight full: 38 mA, Red backlight full: 57 mA, All backlights: 75 mA
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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