

X-keys® XK-12 Touchpad Specifications

for XK-0984-UAT12-R and XK-0984-UAT12-B



- 12 Programmable keys with integrated touchpad
- Includes software for Windows and Mac
- Free Software Development Kit for programmers
- Two color addressable backlighting (red and blue)

The X-keys XK-12 Touchpad controller features 12 keys with independent backlighting plus a USB touchpad. The co-injected case with soft sides suits hand-held or desktop applications. MacroWorks 3 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 touchpad defaults to a standard USB pointing device but may be configured as a joystick (with non-return to center option) or as an independent X, Y position controller. Our SDK shows the developer how to access data reports for the touchpad as well as the state of each key.

Specifications

Operating System	Use: Any OS via USB HID Programming: Windows XP through 8, Mac OS X 10.4 through 10.8
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
Touchpad	2.27" (58mm) x 1.56" (40mm), tap for click option
Switch Type	Full-travel rubber dome, carbon on gold contacts, guaranteed for over 1 million operations
Number of Keys	12 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	1 blue and 1 red addressable LED under each key
Connector	Wired USB 2.0 standard "A" plug
Cord Length	56" (1.42 m)
Dimensions	5.8" x 3.8" x 0.9" (147mm x 97mm x 24mm)
Weight	10.5 oz. (295 g)
USB type	USB 1.1 (compatible through 3.0)
Power Source	USB port, nominal voltage = 5 vdc
Power Consumption	No backlight: 20 mA , Blue backlight full: 35 mA, Red backlight full: 39 mA, All backlights: 50 mA
Temperature Range	-20 to 60 C
Memory Capacity	Each key is allocated 3 characters with a pool of 1000 additional keystrokes available to any keys that require additional characters
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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