

X-keys® XK-12 Joystick Specifications

for XK-0983-UAJ12-R and XK-0983-UAJ12-B



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

The X-keys XK-12 Joystick controller features 12 keys with independent backlighting plus a precision three axis joystick. A pair of snap in feet give the X-keys a slight angle on the desktop.

MacroWorks 3 software for Windows combines the 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 joystick defaults to USB standard 3 axis joystick but may be configured as an independent X, Y, Z position controller. Our SDK shows the developer how to access data reports for the position of the joystick as well as the state of each key.

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
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
Joystick	MDM™ precision 3 axis (twist for Z)
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 standard "A" plug
Cord Length	118" (3 m)
Dimensions	5.8" x 3.8" x 3.5" (147mm x 97mm x 89mm)
Weight	10 oz. (285 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: 20 mA, Blue backlight full: 30 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 950 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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