X-KEYS®

USB 3 Switch Interface
Product Manual

- ☒ Part Number XK-1283-UJS3-R
- ☒ 3 Switch Ports
- ☒ Made, Sold, and Supported in the USA
- ☒ From P.I Engineering, *The No Slogan Company*
- ☒ USA: www.xkeys.com
- ☒ UK: www.x-keys-uk.com

Box Contents
This package contains:
1- X-keys Switch Interface
1- Product Manual

Quick Start for Windows

1. Download and install MacroWorks 3.1 (MW3) from:
   http://xkeys.com/PISupport/SoftwareMacroWorks.php.
2. Plug in the X-keys Switch Interface and wait for Windows to recognize it.
3. MW3.1 will display an icon in your Windows Taskbar. Click on the icon and select the Switch Interface.
4. Press any switch connected to the Switch Interface (or double-click on the port image) to begin recording a macro.
5. Type keystrokes or select text, shortcut, or function. Multiple lines of keystrokes, text, shortcuts, and functions may be entered on a single switch.
6. Press the switch again (or click Save) to complete programming.
7. When finished, close the programming window.

To quickly learn how to use MW3.1 watch the brief tutorials on our website. Consult the MW3.1 help file for complete instructions and tips on programming and using your X-keys.

NOTE: Mouse and joystick commands are found in the Functions menu.

Mac Users

Install ControllerMate for X-keys from the Apple page in the Software section of our website (a free download).

ControllerMate for X-keys is published by OrderedBytes in partnership with P.I. Engineering. For full programming instructions and support, please visit www.orderedbytes.com/controllermate/.
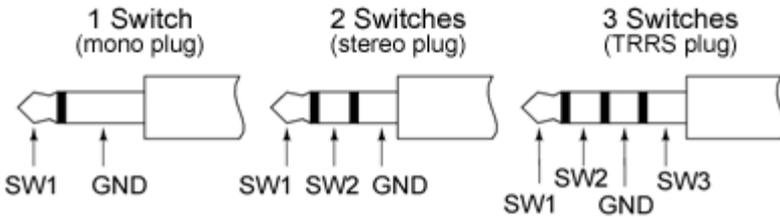
Hardware Mode Programming

The X-keys XK-3 has an internal memory for storing hardware macros like keystrokes, mouse actions, game controller (joystick) or multi-media commands. To program these macros, use MacroWorks 3.1 in "Hardware Resident Mode." (under the Mode menu). Once programmed, the XK-3 will send macros to any computer or USB enabled device with no software installation required.

Connecting Switches

The port on the XK-3 is a TRRS (Tip-Ring-Ring-Sleeve) jack designed to accept our three button trigger switch. Any switch wired to a standard 3.5mm plug may be plugged into the port and the XK-3 will recognize it. Splitter cables are available to connect two or three switches to the port. Splitters and adapters may be combined to connect multiple switches in parallel to trigger the same action from the switch interface.

This image illustrates how the three types of 3.5mm (1/8") plug are recognized by the Switch Interface.

Support

Should you encounter difficulty with the installation or programming, please open the MW3.1 or ControllerMate Help File or check the troubleshooting guide on our web site. You may also contact technical support.

USA: tech@xkeys.com | Phone: 1-517-655-5523

UK: xkeys@keyboardspecialists.co.uk | Tel +44 (0)20 3474 0234

Compatibility

X-keys USB devices are programmed with MacroWorks 3.1 for Windows XP through 8 and ControllerMate for Mac OS X. Developers may also use software development kits for Windows, Linux and Android to integrate X-keys into their applications. Additionally, the USB 12 Switch Interface has a hardware programming feature which allows a user to emulate keyboard, mouse, joystick, or multimedia messages on any USB-enabled operating system. For more information about any of these options, see our web site or contact our Technical Support Department (tech@xkeys.com).

Compatible Accessories

Please visit the Accessories page on our website for details on the following.

- ⊠ X-keys Port Splitter – add more switches to the Switch Interface
- ⊠ Wired Foot Pedals
- ⊠ Wired Switches – available in a wide array of styles and colors
- ⊠ X-keys USB Extender – up to 150 feet via CAT5 cable

Other Products from P.I. Engineering

- ⊠ X-keys XK-24 – 24 programmable keys
- ⊠ X-keys XK-60/XK-80 – 60 or 80 programmable keys
- ⊠ X-keys XK-128 – 128 programmable keys
- ⊠ X-keys XK-12 Joystick – 12 keys with a precision joystick
- ⊠ X-keys XK-12 Jog & Shuttle – 12 keys with jog & shuttle
- ⊠ X-keys XK-3 Foot Pedal – three programmable pedals
- ⊠ X-keys XK-4/XK-8/XK-16 Stick – a single row of 4, 8, or 16 keys
- ⊠ X-keys XK-68 Joystick - 68 keys with a precision joystick
- ⊠ X-keys XK-68 Jog & Shuttle – 68 keys with jog & shuttle
- ⊠ X-keys USB 12 Switch Interface – 12 switch ports
- ⊠ X-keys Encoder Board – 128 switch points

FCC Declaration of Conformity

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful

FC Tested to Comply
With FCC Standards
FOR HOME OR OFFICE USE

interference when the equipment is operated in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instruction manual may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

CE Declaration of Conformity

$C\epsilon$

We, P.I. Engineering, Inc., declare that the X-keys is in conformance with:
- **EMC Directive 2014/30/EU, tested in accordance with EN 55022:2010 and 55024:2010/A1:2015**
- **Certificate of compliance on file at P.I. Engineering, 101 Innovation Pkwy, Williamston, MI 48895**

Contact Us

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Limited Warranty

For all X-keys products purchased and installed in the United States, Canada and the United Kingdom, P.I. Engineering warrants that the X-keys product will be free from defects in materials and workmanship under normal use and service, and will meet the specifications presented by P.I. Engineering at the time of original purchase, for one year as evidenced by a copy of the purchase receipt. Under this warranty, P.I. Engineering will, at its sole option, repair or replace any X-keys product which is defective, provided that you are responsible for (i) the cost of transportation of the product to P.I. Engineering or its designated service facility, and (ii) any loss or damage to the product resulting from such transportation.

Upon discovery of a defect in the product within the Warranty Period, you should notify P.I. Engineering Technical Support to obtain an RMA (return authorization number) and instructions for shipping the product to a service location designated by P.I. Engineering. You should send the product, shipping charges prepaid, to the designated location, accompanied by the return authorization number, your name, address, and telephone number, proof of purchase, and a description of the defect. P.I. Engineering will pay for return of product(s) to the customer.

P.I. Engineering shall have no responsibility to repair or replace the X-keys product if the failure has resulted from accident, abuse, mutilation, misuse, or repair/modification performed by any entity other than P.I. Engineering.

THIS WARRANTY IS EXCLUSIVE OF ALL OTHER WARRANTIES, WHETHER EXPRESSED, IMPLIED, OR STATUTORY. P.I. ENGINEERING DOES NOT WARRANT THIS X-keys PRODUCT FOR FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. P.I. ENGINEERING AND ITS EMPLOYEES SHALL NOT BE HELD LIABLE FOR ANY CONSEQUENTIAL, INDIRECT, OR INCIDENTAL DAMAGES, EVEN IF ADVISED OF THEIR POSSIBILITY, ARISING OUT OF THE USE OR INABILITY TO USE THIS PRODUCT. SOME STATES DO NOT ALLOW FOR THE EXCLUSION OR LIMITATION OF CERTAIN LIABILITIES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS WHICH VARY FROM STATE TO STATE.

In the event that the above limitations are held unenforceable, P.I. Engineering's liability for any damages to you or to any party shall not exceed the purchase price you paid, regardless of the form of any claim.

This limited warranty is valid for and only applies to products purchased and used inside the United States (and its territories), Canada, and the United Kingdom.

This limited warranty is governed by the laws of the United States of America and the state of Michigan.

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X-keys Electronic design: P.I. Engineering, Inc., **Patent # 4964075**
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USA: www.piengineering.com ◘ www.xkeys.com

UK: www.x-keys-uk.com

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