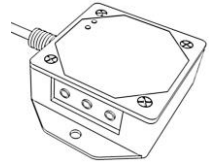




## USB 12 Switch Interface Product Manual

- ✘ Model XK-1202-UHS12-R
- ✘ 6 to 12 Switch Ports
- ✘ Designed, Sold, and Supported in USA
- ✘ From P.I Engineering, *The No Slogan Company*
- ✘ USA: [www.xkeys.com](http://www.xkeys.com)
- ✘ UK: [www.keyboardspecialists.co.uk](http://www.keyboardspecialists.co.uk)



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### 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

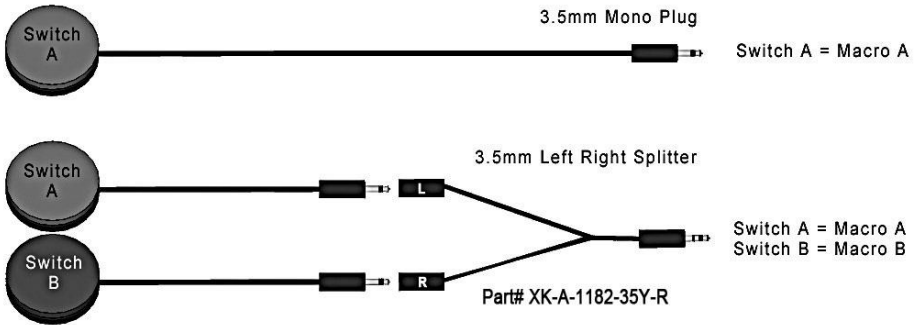
Install ControllerMate for X-keys from the enclosed disc or visit the Software section of our website for a free download.

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/](http://www.orderedbytes.com/controllermate/).

## Connecting Switches

Each port on the USB 12 accepts a 3.5mm plug such as those found on most Assistive Technology switches. A single switch can be plugged directly into each port.

If more than six switches are required, each port can accept two switches with a 3.5mm left and right splitter. We sell this adapter on our website (#XK-A-1182-35Y-R). Please be aware that the splitter must separate the left and right channels to support two switches independently (headphone splitters will not work).



## 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](mailto:tech@xkeys.com) | Phone: 1-517-655-5523

UK: [info@keyboardspecialists.co.uk](mailto:info@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](mailto: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-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 Stick – four programmable keys
- ❑ X-keys XK-8 Stick – eight programmable keys
- ❑ X-keys XK-16 Stick – sixteen programmable 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 3 Switch Interface – 3 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**

**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

We, P.I. Engineering, Inc., declare that the X-keys is in conformance with:

- EMC Directive 2004/108/EC, tested in accordance with EN 55022 and 55024
- Certificate of compliance on file at P.I. Engineering, 101 Innovation Pkwy, Williamston, MI 48895



## Contact Us

<p><b>USA Sales</b>  sales@piengineering.com  Phone: 1-517-655-5523  www.xkeys.com</p>	<p><b>USA Technical Support</b>  tech@piengineering.com  Phone: 1- 517-655-5523  www.xkeys.com/support.php</p>	<p><b>USA Shipping Address</b>  P.I. Engineering  101 Innovation Parkway  Williamston, MI 48895-1663</p>
<p><b>UK Sales</b>  info@keyboardspecialists.co.uk  Tel +44(0)20 3474 0234  www.keyboardspecialists.co.uk</p>	<p><b>UK Technical Support</b>  www.keyboardspecialists.co.uk  info@keyboardspecialists.co.uk  Tel +44(0)20 3474 0234</p>	<p><b>UK Shipping Address</b>  Keyboard Specialists Ltd  Unit 3, Cable Street  Wolverhampton WV2 2HX  United Kingdom</p>

## 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.

X-keys Electronic design: P.I. Engineering, Inc., Patent # 4964075  
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**USA: [www.pieengineering.com](http://www.pieengineering.com) ■ [www.xkeys.com](http://www.xkeys.com)**

**UK: [www.keyboardspecialists.co.uk](http://www.keyboardspecialists.co.uk)**

PI Part# 1206

