



## XKE-40 Product Manual

- ✘ Model XK-1500-USK40-R or XK-1540-USK40R-R
- ✘ 40 Key USB Device
- ✘ Built in the USA by P.I .Engineering
- ✘ Sold and supported in the USA and UK
- ✘ USA: [www.xkeys.com](http://www.xkeys.com)
- ✘ UK: [www.x-keys-uk.com](http://www.x-keys-uk.com)



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### Box Contents

- 1- X-keys XKE-40
- 1- Replacement key set (2 tall, 1 wide, 1 key puller)
- 2- Legend Sheets (1 blank, 1 pre-printed)
- 1- Product Manual (this document)

### Quick Start for Windows

1. Download and install the latest version of MacroWorks 3.1 from:  
<http://xkeys.com/PISupport/SoftwareMacroWorks.php>
2. Plug in the X-keys and wait for Windows to recognize it.
3. Click on the MW3.1 icon in your Windows taskbar and select the device.
4. Double-click on a button image to begin recording a macro.
5. Type or select keystrokes, shortcut, or function. Multiple macros or functions may be programmed on a single button.
6. Click Save to complete programming.

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.

### Mac Users

Download and install ControllerMate for X-keys from our website. ControllerMate for X-keys is published by OrderedBytes in partnership with P.I. Engineering. For full instructions and support, please visit [www.orderedbytes.com/controllermate/](http://www.orderedbytes.com/controllermate/).

### Developers

P.I. Engineering offers free Software Development Kits for Windows and Linux and code samples for Android. Our Windows SDK includes code samples in C#, C++ and .NET. Please visit the Developers page in the Support section on our website: [xkeys.com/PISupport/Developer.php](http://xkeys.com/PISupport/Developer.php)

## Support

Should you encounter difficulty with the installation or programming, please consult the Help Files in MW3.1, or ControllerMate. We also recommend checking the FAQ page on our website before contacting our technical support specialists.

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

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

## Compatibility

The X-keys XKE-40 can be programmed to emulate a USB keyboard, mouse, game controller, or multimedia controller. These features are available in MacroWorks 3.1 for Windows.

## Hardware Mode Programming

We also offer MacroWorks Hardware, a Windows application for programming the X-keys exclusively in Hardware Mode. Programming is stored in X-keys on-board memory and the X-keys will send USB messages to any computer or tablet (no software or driver installation required).

## KVM Version

We also offer a KVM version of the X-keys optimized for use with USB KVMs. The simplified robust feature set allows for programming of keystrokes, delays, and keystroke macros.

## Identifying the Keys

Select appropriate icons from the pre-printed sheet or use the blank legend sheet to create your own key legends. The keycaps snap off with a fingernail or small screwdriver. Apply the label under the keycap, and replace it. The key caps hold a legend 0.575" wide and 0.5" high (14.6mm x 12.7mm). Other options are available for printing legends for multiple units. See more information on our website.

## Backlighting

All keys on the XKE-40 have two backlighting colors (red and blue) behind them. Backlighting intensity can be set and keys can be programmed to manipulate the backlighting. See more information in the Help File.

## Compatible Accessories

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

- ❑ Tall, wide, and quad keycaps and key blockers
- ❑ Custom printed keycaps for 10 or more units
- ❑ X-keys USB Extender – up to 150 feet via CAT 5 cable

## 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 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 Information

<p align="center"><b>USA Sales</b></p> <p>sales@piengineering.com          Phone: 1-517-655-5523          www.xkeys.com</p>	<p align="center"><b>USA Technical Support</b></p> <p>tech@piengineering.com          Phone: 1- 517-655-5523          www.xkeys.com/support.php</p>	<p align="center"><b>USA Shipping Address</b></p> <p>P.I. Engineering          101 Innovation Parkway          Williamston, MI 48895-1663</p>
<p align="center"><b>UK Sales</b></p> <p>xkeys@keyboardspecialists.co.uk          Tel +44(0)20 3474 0234          www.x-keys-uk.com</p>	<p align="center"><b>UK Technical Support</b></p> <p>www.x-keys-uk.com          xkeys@keyboardspecialists.co.uk          Tel +44(0)20 3474 0234</p>	<p align="center"><b>UK Shipping Address</b></p> <p>Keyboard Specialists Ltd          Unit 44-45, Salisbury          Street Darlaston West          Midlands WS10 8XB          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.x-keys-uk.com](http://www.x-keys-uk.com)**

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