X-keys® SE

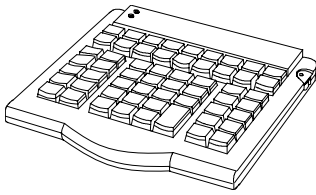## USB Programmable Input Hardware
by
P.I. Engineering, Inc.
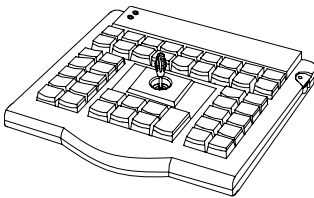
X-keys®
Professional
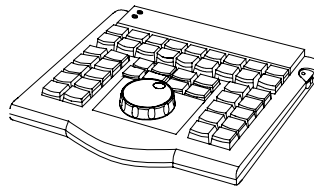(58 keys)

X-keys®
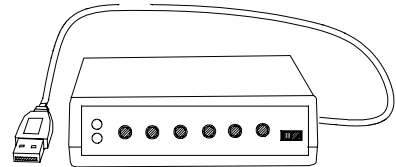**Desktop**
(20 keys)

X-keys®
Stick
(16 keys)

X-keys®
Foot Pedal
(3 switches)

X-keys®
Joystick Controller
(46 keys + integrated precision joystick)

X-keys®
Jog & Shuttle Editor
(46 keys + integrated Jog & Shuttle wheel)

X-keys®
Switch Interface
(12 switch ports)

Product Manual

"The No Slogan Company"

X-keys USB - Quick Start

Insert the included disk in your CD ROM drive and follow the instructions to install X-keys Macro Works Software. This software is required to program and operate the X-keys USB device. Please view the Readme file on the installation disk for the latest notes on installation and operation of the software. Should you encounter difficulty installing any of our X-keys products, please check the troubleshooting guide on our web site: www.xkeys.com. If this does not resolve the issue, please E-mail our technical support department: tech@xkeys.com or call us: (517) 655-5523.

Compatibility:

X-keys SE USB devices require X-keys Macro Works Software. Macro Works for Windows is compatible with all Windows Operating Systems which support USB. This includes Windows 98 SE, ME, 2000, and XP. X-keys Macro Works for Mac OS-X is also included on the disk.

X-keys USB devices also have the ability to mimic a USB keyboard and mouse on any Operating System which supports USB including Mac OS-X, and Unix based systems. Learn more about **X-keys Memory Resident Mode** on our web site (xkeys.com) or contact our Technical Support Department: tech@xkeys.com.

Identifying the Keys:

The sticker sheet included with your X-keys is provided for hand written legends. The keycaps snap off with a fingernail or small screwdriver. Apply the label under the keycap, and replace it. To print legends on a laser or inkjet printer, go to our web site (www.xkeys.com) for templates formatted for popular applications. The key caps hold a legend 0.575" wide and 0.5" high (14.6mm x 12.7mm).

Horizontal and Vertical Double-keys:

Horizontal and/or vertical double-keys can replace two single keys on the X-keys Pro and/or X-keys Desktop. One of the keys must be disabled for a double key to function properly. To install a double key cap, remove two adjacent keys, with the provided key-puller by positioning the key-puller teeth under the key and pulling straight up on the key cap. Press the double-key in place over the two exposed switch stems.

NOTE: Various assortments of horizontal, vertical and large square replacement keys are available from P.I. Engineering. Visit our web site (xkeys.com) or call us for more information.

Box Contents

- X-keys Device
- Macro Works CD ROM
- Two vertical double-keys*
- One horizontal double-key*
- One key-puller*
- Instruction manual

Additional Accessories**

- Basic Accessory Pack:
  - ✓ Two vertical double-keys
  - ✓ One horizontal double-key
  - ✓ One key-puller
- Vertical Keys Pack contains 10 vertical double-keys
- Horizontal Keys Pack contains 10 horizontal double-keys
- Single Keys Pack contains 10 single keys
- Square Key Pack contains 4 square keys (one square key replaces 4 single keys)

Not included with X-keys Foot Pedal or Stick
***Available from P.I. Engineering (visit: xkeys.com)**

FCC Declaration of Conformity

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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.

LIMITED WARRANTY

For all *X-keys* products purchased and installed in the United States and Canada, 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 via telephone 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.

X-keys Electronic design: P.I. Engineering, Inc., Williamston, Michigan

X-keys Pro & Desktop industrial design: Rienhold Weiss Design, Chicago, Illinois

Patent # 4964075

How to Find Us

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E-mail:	Sales Department ➤ info@ymouse.com
	Technical Support ➤ tech@ymouse.com

Products from P.I. Engineering
Visit our web site (www.xkeys.com) for detailed descriptions

Y-mouse® Dual Mouse Adapter
- Use a mouse and a trackball simultaneously on a single port (PS/2 or Serial)
- Great for adding an alternative pointing device to your system

Y-key key® Dual Keyboard Adapter
- Use two keyboards on one computer
- Great for adding an alternative keyboard to your system

Y-mouse® Keyboard and Mouse Adapter for USB
- Convert standard PC (PS/2) keyboards or mice to USB
- Like a mini docking station on your laptop

Y-see two® Video Adapter
- Connect two monitors to a single video port
- Great for presentations to clients or classes

X-keys® Professional
- 58 user reprogrammable keys
- Put all of your shortcuts at your fingertips

X-keys® Desktop
- 20 user reprogrammable keys
- An efficient companion to your keyboard

X-keys® Stick
- 16 user reprogrammable keys
- Add 16 function keys to your keyboard

X-keys® Foot Pedal
- 3 user reprogrammable pedals
- Use your foot to activate keyboard commands or mouse clicks.

X-keys® Switch Interface
- 12 ports for 1/8" mini plugs
- Any external switch can activate keyboard commands

X-keys® Controller
- Precision MDM joystick integrated with 46 programmable keys
- For any application requiring accurate, reliable control

X-keys® Editor
- Jog & Shuttle knob integrated with 46 programmable keys
- Great for non-linear editing applications

Custom/OEM Products
- Y-mouse & Y-key key boards add dual ports to your OEM system
- X-keys matrix boards create a programmable key matrix for your custom input device

RailDriver
Visit our web site (www.raildriver.com) for detailed descriptions
- Train Cab Controls & Cyclopedias
- Resources for the scale or digital train modeler