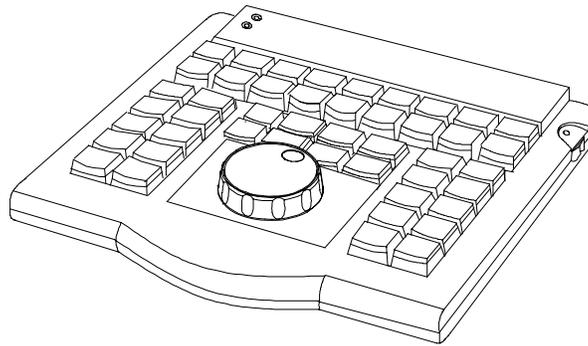# X-keys® *Editor* USB

Integrated Jog/Shuttle Knob and
Programmable Keyboard by

P.I. Engineering, Inc.

Preliminary

Product Manual
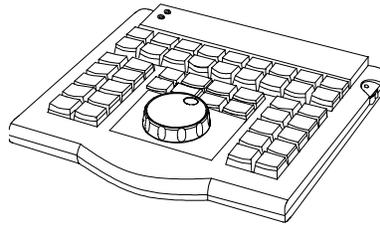
"The No Slogan Company"

X-keys® *Editor*

The **X-keys** *Editor* **USB** is a programmable keyboard with an integrated jog/shuttle control. All 46 keys, 14 positions of the shuttle control, and left and right steps of the jog knob are programmable through the P.I. Jog&Shuttle Control Panel. Settings may be assigned to an individual program and saved. The X-keys Editor will recognize the active window and send the appropriate commands.

Installing the **X-keys** Editor on Your USB Macintosh

1. Plug the *X-keys* into an available USB port.
2. Copy the P.I.Jog&Shuttle file from our CD to the System Folder on your hard drive and install it in the Control Panels Folder.
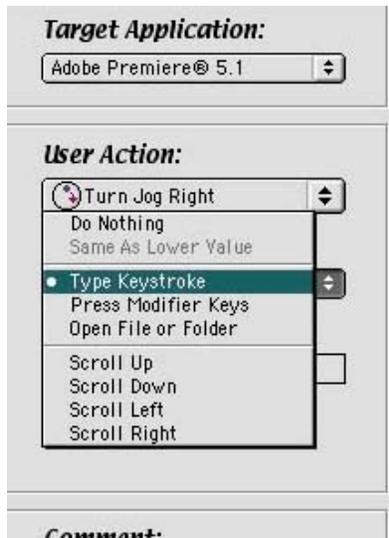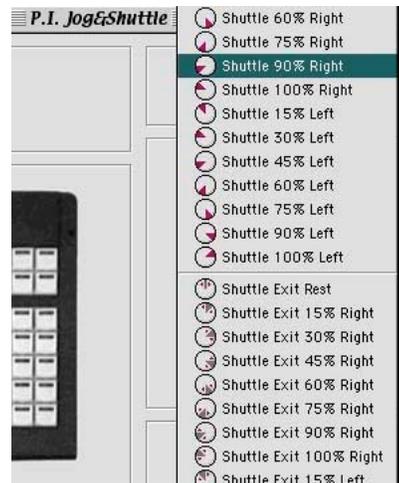
Programming the **X-keys** Editor

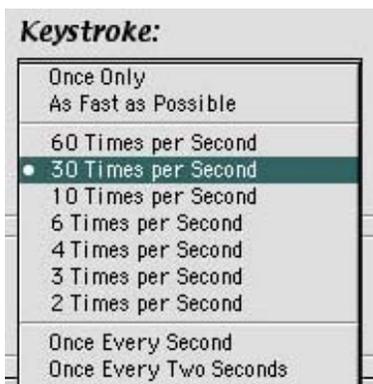1. Open P.I.Jog&Shuttle in the Control Panels Menu.

2. Select the Target Application in the top menu. P.I.Jog&Shuttle monitors the active application and sends the assigned commands. If the active application is not in the Target Application list, P.I.Jog&Shuttle sends commands from the Global Settings assignments.

3. Press a key or turn a knob and the appropriate control will display in the User Action window. Keys and knob actions may also be selected via mouse from the User Action Menu, or by Tab or Shift+Tab in the menu. Keys may also be selected by clicking on their location in the P.I.Jog&Shuttle application window.

Target Application:
Adobe Premiere® 5.1

User Action:
Turn Jog Right
Do Nothing
Same As Lower Value
• Type Keystroke
Press Modifier Keys
Open File or Folder
Scroll Up
Scroll Down
Scroll Left
Scroll Right

Comment:

P.I. Jog&Shuttle
Shuttle 60% Right
Shuttle 75% Right
Shuttle 90% Right
Shuttle 100% Right
Shuttle 15% Left
Shuttle 30% Left
Shuttle 45% Left
Shuttle 60% Left
Shuttle 75% Left
Shuttle 90% Left
Shuttle 100% Left
Shuttle Exit Rest
Shuttle Exit 15% Right
Shuttle Exit 30% Right
Shuttle Exit 45% Right
Shuttle Exit 60% Right
Shuttle Exit 75% Right
Shuttle Exit 90% Right
Shuttle Exit 100% Right
Shuttle Exit 15% Left

4. In the Computer Response menu, select the response you wish to program. If "Type Keystroke" is selected, any modifier keys pressed will also be saved with the keystroke. The "Same As Lower Value" selection is valid only for programming the shuttle.

User Action:
Left Button 7
Computer Response:
Press Modifier Keys
Modifier Keys:
control   option   ⌘   shift   lock

5. If "Press Modifier Keys" is selected, a graphic representation of the modifier keys will allow you to select a single modifier or a combination of modifier keys to press. These modifiers will affect the jog & shuttle wheel, other keys on the X-keys Editor, and mouse actions (they will not modify keystrokes from the keyboard).
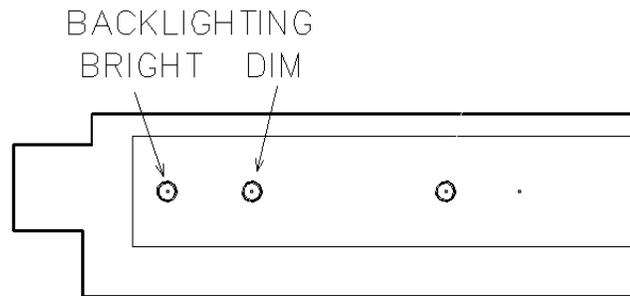
Keystroke:
Once Only
As Fast as Possible
60 Times per Second
• 30 Times per Second
10 Times per Second
6 Times per Second
4 Times per Second
3 Times per Second
2 Times per Second
Once Every Second
Once Every Two Seconds

6. When programming the Shuttle Wheel, an additional menu appears allowing you to select a repeat frequency for the command.

7. The Comment field allows you to identify the programmed command for reference.
8. Close the P.I.Jog&Shuttle program to save your settings.

Back-lighting levels on the *X-keys Editor*

The buttons on the back panel (see diagram below) step the back lighting LEDs through the available levels of brightness. Once set the back-lighting level is retained in memory.

```
           BACKLIGHTING
         BRIGHT   DIM
```

Back Panel of X-keys Editor

Using an object with a blunt point (such as a ball point pen or the end of a paper clip) tap the recessed buttons to brighten or dim the LEDs. Holding the "BRIGHT" button down will quickly run through the steps to the maximum level of brightness. Holding the "DIM" button down will step the level down to the minimum "OFF" level.

Operation

Use the standard keyboard and the X-keys Editor together at any time.

The programming switch in the upper left corner of the X-keys Editor has been deactivated on this version of the editor.

Horizontal and Vertical Double-keys:

Various assortments of horizontal, vertical and large square replacement keys are available from P.I. Engineering. Horizontal and/or vertical double-keys can replace two single keys on the ***X-keys Editor*** . 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: As both keys are activated by the double key cap, ensure that only one of the keys is programmed and the other is set to "do nothing."

*Labeling your **X-keys**:*

A sheet of lined paper is included with your ***X-keys*** for making hand written key legends, or use your software of choice to create a grid of ½" x ½" squares and fill them with text. Templates formatted for some commonly used programs are available on our website in the "Word and Windows Resources" section of our "Useful Stuff" page.

Box Contents

- ***X-keys Editor***
- Two vertical double-keys*
- One horizontal double-key*
- One key-puller*
- One keyboard connector
- Instruction manual and CD-ROM

Additional Accessories**

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

**Available directly from P.I. Engineering

Electronic design: P.I. Engineering, Inc., Williamston, Michigan
Keyboard industrial design: Reinhold Weiss Design, Chicago, Illinois
Patent Pending

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.

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 MERCHANT-ABILITY. 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) and Canada.

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

How to Find Us

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Fax:	517/655-4926
Web:	www.ymouse.com or www.xkeys.com
E-mail:	Sales Department ➢ info@ymouse.com
	Technical Support ➢ tech@ymouse.com

Products from P.I. Engineering:

www.xkeys.com

X-keys®   *Y-mouse*®   *RailDriver*®

X-keys User-programmable Keyboards
- **58 key Pro**
- **20 key Desktop**
- **16 key Stick**
- **3 lever Foot Pedal**

X-keys Custom Programmable Devices
- **X-keys Switch Interface**
- **X-keys Controller (with integrated precision joystick)**
- **X-keys Editor (with jog & shuttle control)**
- **Custom/OEM Products**

Y-mouse Splitters & Adapters
- **Y-mouse Dual Mouse Adapter**
- **Y-key key Dual Keyboard Adapter**
- **Y-mouse Keyboard & Mouse Adapter for USB**
- **Y-see two Video Splitter**

Accessories for *X-keys* and *Y-mouse*
- **Double and Large, Square Keys**
- **PS/2 and VGA Extension Cables**
- **Specialty Switches**
- **Connection Adapters**

RailDriver Train Cab Controllers
- **Desktop Train Cab Controller**
- **Analog Add On Control Module**
- **DCC Add On Control Module**

RailDriver Cyclopedias on CD ROM
- **1922 Locomotive Cyclopedia**
- **1922 Car Builders Cyclopedia**
- **1921 Maintenance of Way Cyclopedia**