

X-keys® MWII Foot Pedal USB Specifications (XF-10-US-R)



- Hands free activation of keyboard commands
- Three foot switches
- Includes X-keys MacroWorks II Software
- Rugged construction

Using the same reliable hardware as our **X-keys® Programmable Keyboards**, the **X-keys® Foot Pedal** uses X-keys MacroWorks II software to record key commands from the keyboard and send them to applications on the computer. Any sequence or combination of keystrokes from a standard keyboard may be assigned to any pedal on the X-keys. Mouse commands (click & scroll) may also be programmed. Simple, intuitive steps allow even non-technical users to program the X-keys instantly. Programming files may easily be copied & shared.

The USB X-keys may also be operated in Memory Resident Mode, saving all programming in an onboard non-volatile memory and emulating the PC keyboard port (PS/2) version of the X-keys.

Specifications

Operating System	WINDOWS: 2000, XP, Vista MAC: OSX
Included Software	WINDOWS: MacroWorks II MAC: iKey for X-keys (Mac)
Switch Type	Mechanical type switch – activates with approximately 2 lbs (1 kg) force
Number of Pedals	3 Pedals
Connector	USB "A" Plug
Dimensions	7.5" x 5.5" x 1.75" (190 mm x 150 mm x 45 mm)
Weight	32 oz. (900 g)
Power Source	USB port, nominal voltage = 5 vdc
Power Consumption	Low power USB device: less than 15 ma @ 5 vdc
Operating Temperature	0° - 70° Celsius (32° - 158° Fahrenheit)
Certifications	FCC class B, CE

In Boot Mode

Hardware System	Any architecture supporting USB, including Sun, SGI, and HP workstations
Operating System	Programming requires MacroWorks II software for Windows 2000, XP & Vista. Operates on any OS supporting USB including Unix, Sun and Mac OS-X
Memory Capacity	Each pedal is allocated 3 characters and a pool of 1060 additional keystrokes is available to any pedal that requires additional characters
Memory Type	EEPROM, non volatile memory (X-keys retains memory for over 200 years)
Number of Layers	2 layers – user selectable toggle and/or shift function

Specifications subject to change without notice



scanmagnetics.com

X-keys[®] Foot Pedal PS/2 Specifications

(XF-09-PS2)



- Hands free activation of keyboard commands
- Three foot switches
- Connects in-line with standard PS/2 keyboard
- Compatible with all PC operating systems with a standard, PS/2 keyboard port
- No drivers or adapters required
- Rugged construction

Using the same reliable hardware as our **X-keys Programmable Keyboards**, the **X-keys Foot Pedal** sends key commands to your computer like a standard keyboard. Any sequence or combination of keystrokes from a standard keyboard may be assigned to any pedal on the X-keys. Mechanical stops prevent accidental triggering of more than one switch.

The X-keys stores scan codes in its internal memory. This allows the foot pedal to be programmed on one computer and moved to another with its programming intact. The programming switch is located inside the unit to prevent accidental reprogramming. Mouse functions are supported by software application for Windows 95, 98, and Me.

Specifications

Hardware System	Any architecture with AT or PS/2 keyboard port, using scan codes 2 or 3
Operating System	All OS supporting PC type keyboards
Software	No drivers or special applications required (MouseClicks app. available)
Memory Capacity	Each pedal is allocated 3 characters and a pool of 1060 additional keystrokes is available to any pedal that requires additional characters
Memory Type	EEPROM, non volatile memory (X-keys retains memory for over 200 years)
Switch Type	Mechanical type switch -- activates with approx. 2 lbs (1 kg) force
Number of pedals	3 Pedals
Number of Layers	2 layers – user selectable toggle and/or shift keys
Connector	Mini-DIN 6-pin designed to pass through the main keyboard
Dimensions	7.5" x 5.5" x 1.75" (190 mm x 150 mm x 45 mm)
Weight	32 oz., (900 grams)
Power Consumption	Less than 15 ma @ 5 vdc plus the power used by the external keyboard
Power Source	Keyboard port power, nominal voltage = 5 vcd
Certifications	FCC class B, CE

Specifications subject to change without notice



USB Programmable Devices
Product Manual for USB X-keys



Foot Pedal
3 Pedal

Pl. Part # 1751

Designed, Manufactured and Sold by:



Box Contents – This package contains : 1- X-keys Device, 1- Installation CD, 1- Product Manual (this page) .

X-keys USB – Quick Start

Insert the installation disc in your CD drive and follow the instructions to install X-keys MacroWorks II Software. This software is required to program and operate the X-keys USB device. Watch the demo video and tutorials on the installation disc or consult the MWII Help Menu for more tips and information.

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, you may E-mail our technical support department: tech@xkeys.com or call our support desk: (517) 655-5523.

Compatibility – X-keys USB devices require MacroWorks II for Windows 2000, XP, and Vista. For older versions of Windows, please refer to our website (xkeys.com). For Mac OS-X we offer iKey for X-keys software. Both programs are included on the installation disk and are free of charge. X-keys USB devices also have a “Boot Mode” which gives them the ability to mimic a USB keyboard and mouse on any USB enabled operating system (including Linux) after they have been programmed. Learn more about Boot Mode on our web site (www.xkeys.com) or contact our Technical Support Department: tech@xkeys.com.

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Other Products by P.I. Engineering

X-keys® (xkeys.com)	Y-mouse® (ymouse.com)	RailDriver™ (raildriver.com)
<ul style="list-style-type: none">• PS/2 Programmable Devices• Custom USB Input Hardware• Professional Engineering Solutions• Software Developer Support	<ul style="list-style-type: none">• Dual Mouse Adapter• Dual Keyboard Adapter• Dual Monitor Adapter• PS/2 to USB Adapter	<ul style="list-style-type: none">• Desktop Train Cab Controller• TrainMaster™ Simulation Software• Historic Railroad Cyclopedias• Full Sized Control Components

How to Contact Us

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FCC Declaration of Conformity

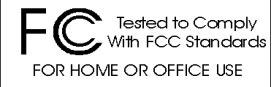
This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

(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 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) and Canada.

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., Williamston, Michigan

X-keys Pro & Desktop industrial design: Rienhold Weiss Design, Chicago, Illinois
Patent # 4964075

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