



VCOM XK-24 Programmable Keypad Product Manual

- ❑ Model XK-299-VCM-R
- ❑ 24 Keys
- ❑ USB Virtual COM Device
- ❑ Individual Key Backlighting
- ❑ Designed, Sold, and Supported in USA
- ❑ From P.I Engineering, *The No Slogan Company*
- ❑ www.xkeys.com



Box Contents

This package contains:

- 1- X-keys XK-24 VCOM
- 1- Replacement key set (2 tall, 1 wide, 1 key puller)
- 2- Angled feet
- 1- Legend Sheet
- 1- Product Manual (this document)

Software

Download the latest version of the V-COM/TrueCOM Programming Utility and SDK package from the software tab on this page:
xkeys.com/xkeys/xkrs232.php

1. Set up your COM port (Settings - Set Port).
2. Click the visual representation of the keys on screen to program them.
3. When done, click the "Write Macros" button (also available from the File menu).

Please consult the help file in the programming utility for details. If you do not find the information you require in the help file, please contact us:
tech@xkeys.com

Developers

P.I. Engineering offers a free Software Development Kit with code samples in C#, C++ and VB.NET. Please visit the Developers section on our website:
xkeys.com/develop.php.

Support

Should you encounter difficulty with the installation or programming, please check the Programming Utility Help File or check the troubleshooting guide on our website. You may also contact our technical support department.

E-mail: tech@xkeys.com

Phone: 1-517-655-5523

Compatibility

X-keys VCOM devices are compatible with any software which supports input from a COM port. For more information contact our Technical Support Department (tech@xkeys.com).

Identifying the Keys

Select appropriate icons or use the blank side of the 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. Contact our Sales Department (sales@xkeys.com) for more information.

Horizontal and Vertical Double-keys

The included double-keys replace two single keys on the X-keys. To install a double key cap, remove two adjacent keys with the provided key-puller. Pressing the key puller over an adjacent key and working it under the cap to be removed is the recommended method. Press the double-key in place over the two exposed switch stems.

Backlighting

All keys on the XK-24 have two backlighting colors (red and blue) and advanced programming functions in programming software allow the user to manipulate them.

Feet

The included angled feet may be snapped in to the bottom of the XK-24 to give it a slight tilt in either portrait or landscape orientation.

Compatible Accessories

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

- ❑ Tall and wide keycaps
- ❑ Colored and transparent key caps
- ❑ Blank key blockers

Other Products from P.I. Engineering

- ❑ X-keys Foot Pedal – three programmable pedals
- ❑ X-keys Stick – 16 keys
- ❑ X-keys Desktop – 20 keys
- ❑ X-keys Professional – 58 keys
- ❑ X-keys Jog & Shuttle Pro – jog & shuttle control + 46 keys
- ❑ X-keys Joystick Pro – precision joystick + 46 keys
- ❑ X-keys LCD Keypad – LCD screen + 16 keys
- ❑ X-keys Switch Interface – 12 switch ports
- ❑ X-keys Matrix Board – 128 switch points
- ❑ Y-mouse PS/2 to USB adapter
- ❑ Y-key key – PS/2 dual keyboard adapter
- ❑ Y-mouse – PS/2 dual mouse adapter
- ❑ RailDriver Desktop Train Cab Controller (raildriver.com)
- ❑ ShipDriver Watercraft Controller (shipdriver.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.



Contact Us

Sales	Technical Support	Our Shipping Address
E-mail: sales@piengineering.com Phone: 1-800-628-3185 or 1-517-655-5523 FAX: 1-517-655-4926	Web: www.piengineering.com E-mail: tech@piengineering.com Phone: 1-517-655-5523	P.I. Engineering 101 Innovation Parkway Williamston, MI 48895-1663 USA

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
Patent # 4964075

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