

TK-401R/TK-801R/TK-1601R

4-Port/8-Port/16-Port Rack Mount KVM Switch
User's Guide

Le Guide de l'utilisateur du
Switch KVM rackable de 4 Ports/8 Ports/16 Ports

Diese Benutzeranleitung
4-Port/8-Port/16-Port Rack Mount KVM Switch

Esta guía del usuario
Switch KVM Montable en Rack de 4/8/16 Puertos

4/8/16-портовый KVM-коммутатор для монтажа в стойке
Руководство пользователя

Version 07.23.04



TRENDnet[®]
TRENDware, USA
What's Next in Networking

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English UG

1. Prepare for Installation

Thank you for purchasing TRENDnet's TK-401R or TK-801R or TK-1601R KVM Switch. This guide will help you set up your KVM switch. Following the installation instructions should be quick and easy. If you run into problems, please refer to the Troubleshooting section. If you need further technical support, please visit www.TRENDNET.com or call technical support by phone.

Verify Package Contents

Please make sure you have everything in the box:



The TK-401R 4 Port or TK-801R 8-Port or TK-1601R 16-port PS/2 KVM Switch is compatible with virtually all computers and operating systems. You only need to have one monitor, one PS/2 keyboard, one PS/2 mouse, and a KVM cable for each PC.

2. Introduction

The TK401R or TK-801R or TK-1601R is a PS/2 KVM Switch that allows you to control 4 or 8 or 16 computers respectively using a single monitor, PS/2 keyboard, and PS/2 mouse. By using this KVM Switch, you will cut hardware costs, save valuable space, and reduce energy consumption.

Hardware Support

The TK-401R or TK-801R or TK-1601R KVM Switch is compatible with virtually all PS/2 keyboard and mice, including Microsoft Intellimouse, Microsoft Optical Mouse, and Logitech Net Mouse.

Software Support

The TK-401R or TK-801R KVM or TK-1601R Switch does not require any drivers or software. It is compatible with the following operating systems: Windows 98/ME/2000/XP/2003 Server, Linux, and Netware.

Plug-N-Play and Hot-Pluggable

The TK-401R or TK-801R or TK-1601R KVM Switch connects to your computers via PS/2 interface for convenient Plug-and-Play functionality and hot-pluggability.

Front-panel buttons and Hot-Key Commands

You can use the front-panel push buttons or Hot-Key commands to switch between your computers quickly and easily.

With rich features such as Hot-Pluggability, Auto-Scan, and Hot-Key operation, TRENDnet's TK-401R or TK-801R or TK-1601R KVM Switch is the ideal solution for managing multiple PCs.

3. Product Detail

Front Panel of TK-401R



Rear Panel of TK-401R



Front Panel of TK-801R



Rear Panel of TK-801R



Front Panel of TK-1601R



Rear Panel of TK-1601R



4. Hardware Installation

TK-401R: Installation

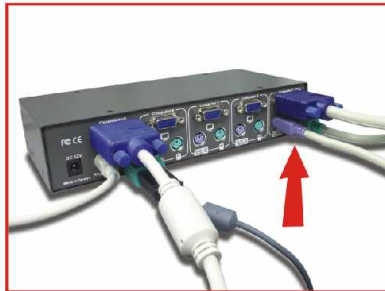
1. Turn off both computers and their peripherals, and disconnect all power cords.

NOTE: If you would like to mount the KVM switch on the EIA 19" equipment rack, install the included mounting brackets to the sides of the KVM switch, secure them with the screws, and then mount the KVM switch to the rack with the hardware provided by the rack manufacturer.

2. Connect the shared keyboard, monitor, and mouse to their respective ports on the KVM switch. The KVM Switch's inputs are color-coded for your convenience.



3. Connect each set of integrated KVM cables to each computer's video, PS/2 keyboard, and PS/2 mouse connectors.



4. Turn on both computers. After the computers boot up completely, you may begin operating the KVM switch. **Installation is now complete.**

NOTE: Do not switch the PC port (i.e. Do not press the push button of the KVM switch or enter a "Hot-Key" command) while the computers are booting up.

TK-801R/TK-1601R: Installation

1. Turn off both computers and their peripherals, and disconnect all power cords.

NOTE: If you would like to mount the KVM switch on the EIA 19" equipment rack, install the included mounting brackets to the sides of the KVM switch, secure them with the screws, and then mount the KVM switch to the rack with the hardware provided by the rack manufacturer.

2. Connect the shared keyboard, monitor, and mouse to their respective ports on the KVM switch. The KVM Switch's inputs are color-coded for your convenience.
3. Connect the KVM cables to each computer's video, PS/2, and mouse connectors.
4. Connect the included AC Power Adapter to the KVM switch and to the power outlet.
5. Turn on the connected computers one-by-one. After the computers boot up completely, you may begin operating the KVM switch. **Installation is now complete.**



NOTE: Do not switch the PC port (i.e. Do not press the push button of the KVM switch or enter a "Hot-Key" command) while the computers are booting up.

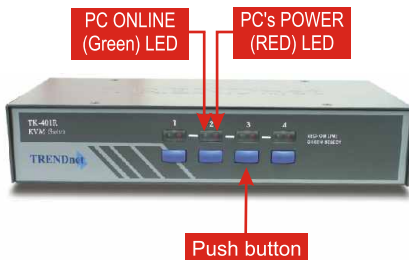
5. Operation

To switch between computers, you use the front-panel push buttons or hot-key commands.

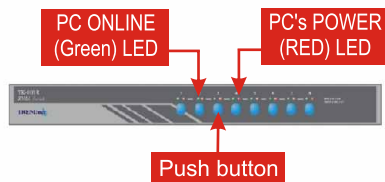
The Push Buttons

Press the push button to change the ports.

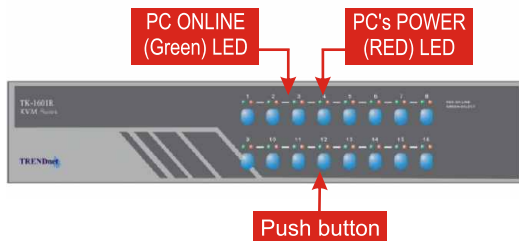
TK-401R



TK-801R



TK-1601R



LED Indication:

Red LED light: KVM cable is connected, PC is powering the KVM switch.

Green LED light: The selected PC port in Active (On Line).

Green LED flash: The selected PC port is in scan-mode or is not being powered by the PC.

To switch between computers, you use the front-panel push buttons or hot-key commands.

Hot-Key Commands

A keyboard hot-key command consists of three keystrokes:

Hot-Key command = ScrLk + ScrLk + Command key(s)

After pressing the ScrLk key, you have 2 seconds to press the ScrLk key again. You then have another 2 seconds to press a command key. If you do not press a key within 2 seconds, the switch will exit hot-key mode.

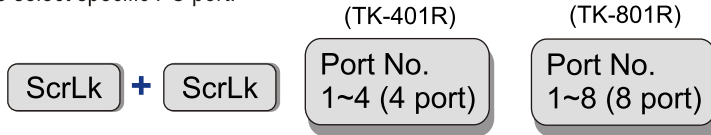
Below are the “Hot-Key” commands:

 +  +  = Previous Port

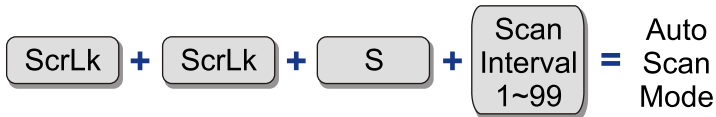
 +  +  = Next Port

NOTE: You can also press up arrow key or down arrow key longer time to speed up selecting the destination port

To select specific PC port:



NOTE: The default Beeper functions OFF.



To cancel out of Auto Scan Mode, press any key or SPACE bar.



Below are additional "Hot-Key" commands for TK-1601R:

To select a specific PC port:



Note: (xz) = 2-digit port number

(Port number 01 ~ 16)

For example, to select port 7 on the 16-port KVM Switch TK-1601R, you would use the following sequence for the port number 07:



(Port number 07)

Specifications

Computer Connections:	4 for TK-401R or 8 for TK-801R or 16 for TK-1601R
Console Port Connectors:	1 x PS/2 keyboard 6-pin mini din female 1 x PS/2 mouse 6-pin mini din female 1 x VGA HDB15 (15-pin) female
PC Port Connectors:	4 x PS/2 keyboard 6-pin mini din female 4 x PS/2 mouse 6-pin mini din female 4 x VGA HDB15 (15-pin) female 8 x PS/2 keyboard 6-pin mini din female for TK-801R 8 x PS/2 mouse 6-pin mini din female for TK-801R 8 x VGA HDB15 (15-pin) female for TK-801R 16 x PS/2 keyboard 6-pin mini din female for TK-1601R 16 x PS/2 mouse 6-pin mini din female for TK-1601R 16 x VGA HDB15 (15-pin) female for TK-1601R
VGA Resolution:	1920 x 1440
Port Selection:	Push Button and Hot-Key Commands
LED Segment:	Two LED indicators per port (PC Link (green) and PC Active (red))
Keyboard State:	Saved and restored (TK-801R/TK-1601R only)
Auto-Scan Intervals:	5-99 seconds (TK-401R), 5 ~ 90 seconds (TK-801R/TK-1601R)
Power Type:	PS/2 Interface Power. Optional 9V ~ 12V DC, 1A Adapter (TK-401R) PS/2 Interface Power, External AC Power Adapter, 12V DC, 1A (or 9V DC, 1A) (TK-801R/TK-1601R)
Size (19" Rack Mount):	1RU for TK-401R/TK-801R, 2RU for TK-1601R
Dimensions:	220 x 100 x 44.5 mm (8.7 x 4 x 1.77 inches) for TK-401R 410 x 165 x 45 mm (16.14 x 6.5 x 1.77 inches) for TK-801R, 406.0 x 163.5 x 85.0 mm (15.98 x 6.44 x 3.35 inches) for TK-1601R
Operating Temperature:	Approx. 1 Kg. (2.2 lbs) for TK-401R Approx. 2.20 Kg. (4.85 lbs) for TK-801R Approx. 2.65 Kg. (5.85 lbs) for TK-1601R
Weight:	0° ~ 40°C (32° ~ 104° F)
Storage Temperature:	-20° ~ 60°C (-4° ~ 140° F)
Humidity:	0%~90%, Non-Condensing
Certifications:	FCC and CE

Troubleshooting

Q1: Where is the power supply? I did not find one in the box. (For TK-401R)

A1: The TK-401R does not require a power supply. It draws power from the PS/2 connection of your computers. As long as you are connected to the PS/2 port, your KVM switch will function.

Q2: Do I need to use the included external AC adapter? (For TK-801R/TK-1601R)

A2: It is recommended that you use the included external power supply with the TK-801R or TK-1601R KVM switch. You can use either a 9V or 12V DC power adapter with 1A output.

Q3: Can I connect and disconnect the PS/2 cables while the computers are turned on?

A3: Yes, you can connect or disconnect the PS/2 cables while the computers are turned on because the KVM switch is Plug-and-Play and Hot-Pluggable.

Q4: Will the KVM switch restore the keyboard settings when switching between computers?

A4: Yes, the KVM switch will restore the keyboard settings between computers such as Cap lock, Num key, etc.

Q5: How do I switch from one computer to another with the KVM switch?

A5: You can switch PCs by pressing the Push button on the KVM switch or by using the Hot-Key commands.

If you have further questions, please contact Trendware's Technical Support Department.

Contact Technical Support

Telephone: +1-310-626-6252
Fax: +1-310-626-6267
Website: www.TRENDNET.com
E-mail: support@trendware.com

Technical Support Hours

7:00AM ~ 6:00PM, Monday through Friday
Pacific Standard Time (except holidays)

Certifications

This equipment has been tested and found to comply with FCC and CE Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received.
Including interference that may cause undesired operation.





Product Warranty Registration

Please take a moment to register your product online.
Go to TRENDware's website at <http://www.TRENDNET.com>

TRENDware International, Inc.
3135 Kashiwa Street
Torrance, CA 90505

<http://www.TRENDNET.com>