

TK-802R/TK-1602R

**8-Port/16-Port Stackable Rack Mount KVM Switch with OSD
User's Guide**

**Le Guide de l'utilisateur du
Switch KVM Empilable Rack Mount de 8-Ports/16-Ports avec OSD**

**Diese Benutzeranleitung
8-Port/16-Port Stapelbarer Einbaufähiger KVM Umschalter mit OSD**

**Esta guía del usuario
Switch KVM Montable en Rack y Apilable de 8/16 Puertos con OSD**

**8/16-портовый KVM-коммутатор с OSD для монтажа в стойке,
с возможностью наращивания
Руководство пользователя**

Version 07.23.04



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

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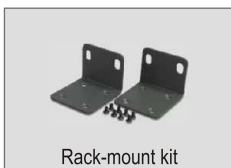
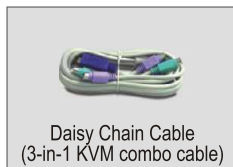
English UG

1. Prepare for Installation

Thank you for purchasing TRENDnet's TK-802R 8-port or TK-1602R 16-Port Stackable Rack Mount 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 or to the User's Guide. 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-802R 8-Port or TK-1602R 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 computer.

2. Introduction

The TK-802R or TK-1602R is Stackable Rack Mount KVM Switch that allows you to control 8 or 16 computers respectively using a single monitor, PS/2 keyboard, and PS/2 mouse. You can stack up to 16 units together to control up to 128 or 256 computers respectively. This KVM Switch will allow you to cut hardware costs, save valuable space, and reduce energy consumption.

Hardware Support

The TK-802R or TK-1602R 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-802R or TK-1602R KVM 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-802R or TK-1602R KVM Switch connects to your computers via the PS/2 interface for convenient Plug-and-Play functionality and hot-pluggability.

Front-panel buttons, OSD, and Hot-Key Commands

You can use the front-panel push buttons, On Screen Display (OSD) Menu, or Hot-Key commands to switch between your computers quickly and easily.

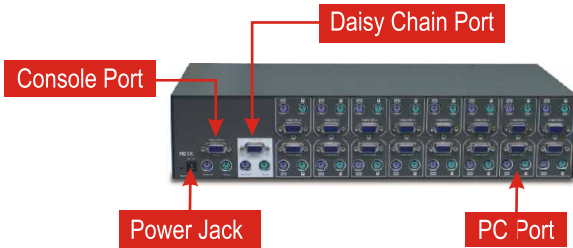
Security and Stacking Application

The TK-802R or TK-1602R provides 8-character password-based security to prevent unauthorized access to the KVM switch. Stack up to 16 units in a daisy-chain configuration using the TK-802/1602R's daisy-chain auto-detection.

Offering useful features such as Hot-Pluggability, Stackable, Auto-Scan, OSD, and Hot-Key operations, TRENDnet's TK-802R or TK-1602R KVM Switch is the ideal solution for managing multiple PCs.

3. Hardware Installation

Rear View



Console Port - Connect to your shared keyboard, monitor, and mouse.

PC Port - Connect to your computer's keyboard, video and mouse cable.

Daisy Chain Port - For stacking to another TK-802R or TK-1602R KVM switch (console port).

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 a power outlet.

Note: If you use a single TK-802R or TK-1602R KVM Switch, skip steps 5 - 8. Go to Step 9.

5. If you have multiple TK-802R or TK-1602R KVM switches, use the included daisy chain cable to connect to another TK-802R or TK-1602R KVM switch. Connect the daisy-chain port of the master KVM switch to the console port of the second KVM switch.
6. Connect the included AC Power Adapter to the KVM switch and to the power outlet.
7. If you have another TK-802R or TK-1602R KVM switch you wish to daisy-chain, connect the daisy-chain port of the second KVM switch to the console port of the third KVM switch and so on and so forth. You can daisy-chain up to 16 TK-802R or TK-1602R KVM Switches.
8. To initialize the daisy-chained switches, reset the master KVM switch by pressing and holding down push button #1 for at least 3 seconds.

Note: **DO NOT PRESS** push button #1 for 3 seconds or longer on any slave switch because this will initialize only the switches "downstream" from this slave switch.

9. 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.

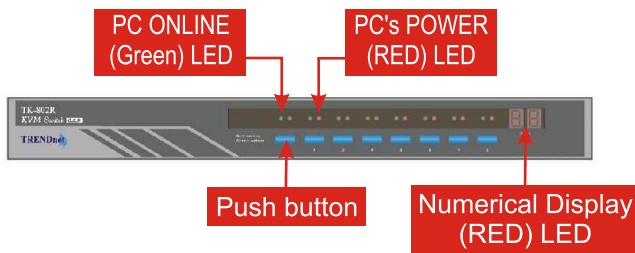
Note: Do not switch the PC port (i.e. Do not press the push button of the KVM switch or enter a "Hot-Key" command) while the computers are booting up.

4. Operation

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

The Push Buttons

Press the push buttons to change the ports.



LED Indication:

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

Green LED light: Indicates the selected PC port in active, whether the computer is turned on or off.

Green LED flash: The selected PC port is in a “locked mode” (password-protected mode) and all front-panel push button operations are disabled.

Numerical LED: Indicates the bank number of the currently active channel.

Note: A lit red LED means the corresponding port is connected and is being powered via its PS/2 connector. It does not indicate whether that connected computer is turned on or turned off.



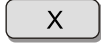


Hot-Key Commands

A keyboard hot-key command consists of at least 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. A beep confirms that the KVM switch is in "Hot-Key" mode. If you do not press a key within 2 seconds, the switch will exit hot-key mode.







To select a specific PC port:

Select PC =  +  +  +  + 

(Bank number 01 ~ 16) (Port number 01 ~ 08)

Note: (yz) = 2-digit port number, (x) = 2-digit bank number.

For example, to select port 8 on the single KVM Switch TK-802R or TK-1602R, you hit the following key sequence for the port 08.

Select PC =  +  +  +  +  + 

(Bank number 01 ~ 16) (Port number 01 ~ 08)

Note: A standalone KVM Switch has a bank number of "01." Bank numbers for multiple daisy-chained KVM switches are assigned in a similar fashion. For example, to select banks 3 and 7, you would press ScrLk , ScrLk , 0 , 3 , 0 , 7.

For a list of all the Hot-Key commands, please see the Quick Reference Sheet.

Quick Reference Sheet for TK-802R/TK-1602R

Command	Hot-Keys	OSD
Select PC	ScrLk + ScrLk + X + Y <small>(bank no.) (channel no.)</small>	Arrow keys (↑↓) to highlight channel number, Enter to select.
Next lower channel	ScrLk + ScrLk + ↑ <small>(Arrow up)</small>	Arrow keys (↑↓) to highlight channel number, Enter to select.
Next higher channel	ScrLk + ScrLk + ↓ <small>(Arrow down)</small>	Arrow keys (↑↓) to highlight channel number, Enter to select.
Next lower bank	ScrLk + ScrLk + PgUp	PgUp
Next higher bank	ScrLk + ScrLk + PgDn	PgDn
Autoscan Beep Sound On/Off	ScrLk + ScrLk + B	- - -
Reflash EEPROM	ScrLk + ScrLk + R	- - -
Find PC by Name	ScrLk + ScrLk + F	- - -
Change PC Name	- - -	Arrow keys (↑↓) to navigate, Ins key to edit PC name
Reset / Initialize KVM	ScrLk + ScrLk + End	- - -
Show OSD Menu	ScrLk + ScrLk + Space Bar	- - -
Autoscan	ScrLk + ScrLk + S	- - -
Stop Autoscan	Esc	- - -
Autoscan Delay	- - -	Arrow keys (↑↓) to navigate, Enter to select and edit
OSD Remain Time	- - -	Arrow keys (↑↓) to navigate, Enter to select and edit
Password Config	- - -	Arrow keys (↑↓) to navigate, Enter to select and edit
Password Change	- - -	Arrow keys (↑↓) to navigate, Enter to select and edit

Quick Reference Sheet for TK-802K/TK-1602R

Command	Front-panel	Description
Select PC	Press corresponding button yz on Switch x for channel yz on bank x.	Select the active bank (Switch) and channel (computer)
Next lower channel	Press the desired channel button	Select the next lower connected channel
Next higher channel	Press the desired channel button	Select the next higher connected channel
Next lower bank	Press the desired channel button	Select the next lower bank (Switch) when multiple Switch units are daisy-chained together
Next higher bank	Press the desired channel button	Select the next higher bank (Switch) when multiple Switch units are daisy-chained together
Autoscan Beep Sound On/Off	- - -	Toggle on/off the beep sound for switching confirmation during auto-scanning operation
Reflash EEPROM	- - -	Restore all settings to factory default (except the password)
Find PC by Name	- - -	Search the presence of a specific PC by its name
Change PC Name	- - -	Change the PC name
Reset / Initialize KVM	Button 1 (Press and hold it down for 3 seconds)	Reset/reboot/initialize daisy-chain (also activates password protection)
Show OSD Menu	- - -	Activate the OSD Menu
Autoscan	Last button (Channel 8; press and hold it down for 3 seconds)	Autoscan every connected channel for quick browsing on each channel.
Stop Autoscan	Press any push button	Terminate Autoscan mode
Autoscan Delay	- - -	Specify delay time within a range of 5-99 seconds (default + 10 sec.)
OSD Remain Time	- - -	Change the OSD Menu Remain Time
Password Config	- - -	Enable/disable password protection
Password Change	- - -	Change the password

- OSD Menu control is only available when the OSD menu is activated. To activate the OSD menu, use the hotkey sequence ScrLk , ScrLk , Space Bar. For detailed OSD operation, please refer to Chapter 3, of the User's Guide.
- Please note that x denotes number keys 01 ~ 16; y denotes number keys 01 ~ 08.
- The factory default password is 00000000 (i.e. 8 zeros).

Troubleshooting

Q1: Do I need to use the included external AC adapter?

A1: The TK-802R or TK-1602R requires a power adapter/supply for the OSD to function. It is recommended that you use the included power adapter.

Q2: Can I connect and disconnect the PS/2 cables while the computers are turned on?

A2: 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.

Q3: Will the KVM switch restore the keyboard settings when switching between computers?

A3: Yes, the KVM switch will restore the keyboard settings between computers such as Cap lock, Num key, etc.

Q4: How do I switch from one computer to another with the KVM switch?

A4: 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.





TRENDware, USA

What's Next in Networking

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>