



Quick Installation Guide



TK-804R
TK-1604R

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1. Before You Start



Package Contents

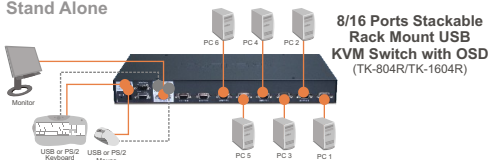
- TK-804R/TK-1604R
- Quick Installation Guide
- Rack-Mount kit
- AC Power Adapter (9V DC, 1A)
- Daisy-Chain Cable (HDB 15-pin male to female)
- Daisy-Chain Terminator (HDB 15-Pin male)
- Firmware Cable (HDB 15-pin female to female)

System Requirements

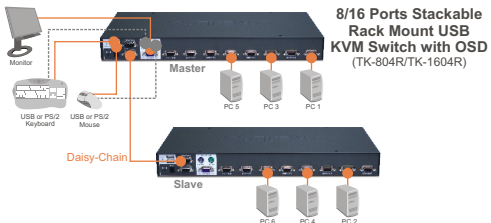
- PS/2 or USB Keyboard
- PS/2 or USB Mouse
- VGA Compatible Monitor
- USB KVM Cables (e.g. TK-CU06/TK-CU10/TK-CU15)
- Windows 98SE/ME/2000/XP/2003 Server/Vista, Linux, and Netware

Application

Stand Alone



Daisy-Chain



2. How to Install

1. Turn **OFF** all computers and their peripherals, and then disconnect all power cords.



2. Connect the shared PS/2 or USB keyboard, monitor, and PS/2 or USB mouse to the KVM switch's **Console Port**. (TK-804R shown)



3. Connect the included AC Power Adapter to the KVM switch and then to a power outlet.

To KVM



4. Use the USB KVM cables to connect your PC to the KVM switch.

To Computer



5. Turn **ON** the connected computers one-by-one and wait until each computer's desktop appears.



Daisy-Chain

Note:

1. You must use the daisy-chain cable provided with the KVM switch
2. You can only daisy-chain the KVM switch with another TK-804R or TK-1604R.
3. You can daisy-chain up to 8 TK-804 or TK-1604 KVM switches. There is a maximum of 64 (TK-804R) or 128 (TK-1604R) computer connections.

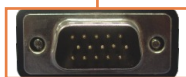
1. Connect one end of the provided daisy-chain cable to the **Daisy-Chain OUT** port on the first (master) KVM switch.



2. Connect the opposite end of the daisy-chain cable to the **Daisy-Chain IN** port on the second (slave) KVM switch.

3. If you have a third KVM switch, connect one end of the daisy-chain to the **Daisy-Chain OUT** port on the second KVM switch. Then connect the opposite end of the daisy-chain cable to the **Daisy-Chain IN** port on the third (slave) switch. Repeat for each additional switch.

4. Connect the included Daisy-Chain terminator to the **Daisy-Chain OUT** port on the last KVM switch in the chain.



5. Turn **ON** the connected computers one-by-one and wait until each computer's desktop appears.

Rack Mount

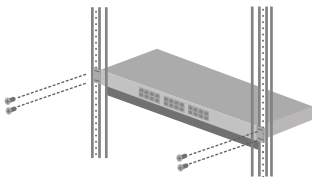
The KVM Switch can be mounted in an EIA standard-size 19-inch rack, which can be placed in a wiring closet with other equipment.

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

1. Attach the mounting brackets to both sides of the KVM switch and secure them with the provided screws.



2. Carefully position the KVM switch onto the rack. Align the bracket to the screw holes on the rack, then use the screws provided with the equipment rack to mount the KVM switch.



Your installation is now complete.

Register Your Product

To ensure the highest level of customer service and support, please take a moment to register your product Online at: www.TRENDnet.com/register

Thank you for choosing TRENDnet

3. Operation

Note: To switch between computers, you can use the front-panel push buttons, On Screen Display (OSD) or the Hot Key commands.

LED Indicators

Bank Number

Indicates the sequence of the KVM switch when daisy-chained.

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

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



Push Buttons

Press the push buttons to switch between computers.

On Screen Display (OSD) Control

To activate the OSD Menu, use the following hot-key command:









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 Port number

For example, to select port 1 on the 1st KVM switch, you execute the following key sequence:

Select PC =  +  +  +  +  + 
Bank number Port number

For example, to select port 10 of the 8th KVM switch on a series of daisy chained TK-1604R's you execute the following key sequence:

Select PC =  +  +  +  +  + 
Bank number Port number

Note: When using the KVM switch standalone, type in 0 + 1 for the bank number.

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

Quick Reference Sheet for TK-804R/TK-1604R

Command	Hot-Keys	OSD	Front-panel	Description
Select PC	<p>Scrlk + A + B + Y + Z <small>(AB) = bank number (YZ) = 2-digit channel number</small></p>	Use arrow keys to select and then hit enter	Press Push Button for a specific port to the switch	Select the active bank (switch) and channel (computer)
Next lower channel	<p>Scrlk + Scrlk + (Arrow up)</p>	Use arrow keys to select and then hit enter	- - -	Select the next lower connected channel. Only works within active bank.
Next higher channel	<p>Scrlk + Scrlk + (Arrow down)</p>	Use arrow keys to select and then hit enter	- - -	Select the next higher connected channel. Only works within active bank.
Next lower bank	<p>Scrlk + Scrlk + PgUp</p>	PgUp	- - -	Select the next lower bank when multiple switches are daisy-chained
Next higher bank	<p>Scrlk + Scrlk + PgDn</p>	PgDn	- - -	Select the next higher bank when multiple switches are daisy chained
Autoscan Beep Sound On/Off	<p>Scrlk + Scrlk + B</p>	- - -	- - -	Toggle On/Off beep during autoscan mode
Reset / Initialize	<p>Scrlk + Scrlk + End</p>	- - -	- - -	Resets/reboot/initialize daisy-chain and activates password protection
Load Factory Default	- - -	F1 (Setup Page) > Load Default	- - -	Restore the EEPROM settings to the factory default (except for password).

Quick Reference Sheet for TK-804R/TK-1604R

Command	Hot-Keys	OSD	Front-panel	Description
Define Hotkey Sequence (default = ScrLK + ScrLk)	---	F1 (Setup Page) > Hotkey Use left and right arrows to select (Scroll Lock, Caps Lock, Esc, F12 or Num Lock)	---	Select the hotkey preceding sequence among 5 alternative keys
Change PC Name	---	Use arrow keys to select, then hit Insert to edit	---	Change the PC Name
Show OSD Menu	ScrLK + ScrLk + Space Bar	---	---	Activates OSD menu
Autoscan	ScrLK + ScrLk + S	---	Press any push button	Autoscan through every connected channel for quick browsing of each channel
Autoscan with Programmable Delay Time	---	F1 (Setup Page) > Autoscan period. Use left and right arrows to select	---	Specify a delay within a range of 5-95 seconds
Stop Autoscan	Press any key on keyboard	Press any button or key	Press any button or key	End Autoscan activity
Auto Logout Timeout Enable/Disable (0-99 min)	---	F1 (Setup Page) > Auto Logout. Use left and right arrows to select	---	Specify the time out for auto logout – screen/key/board/mouse locked after timeout period for security (default/disable = 0)

Quick Reference Sheet for TK-804R/TK-1604R

Command	Hot-Keys	OSD	Front-panel	Description
OSD Menu Timeout (0-95 seconds)	---	F1 (Setup Page) > OSD Timeout	---	Specify the timeout for OSD menu [default = 60 seconds; 0 = disable]
OSD Title Bar On/Off	ScrLk + ScrLk + T	---	---	Enable/disable the OSD Title Bar [default = ON]
OSD Title Bar Position (Left/Right)	---	F1 (Setup Page) > Title Bar. Use left and right arrows to select.	---	Select the OSD title bar position on your screen
Setup Password (Disable/Enable)	---	F1 (Setup Page) > Setup Password	---	Enable/disable password protection [default == disable; password length <= 8 characters]
Upgrade Firmware	---	F1 (Setup Page) > Upgrade Firmware	---	Upgrade firmware. See firmware release notes for more details.

Note:

- If you have defined a different hotkey preceding sequence key (e.g. Caps Lock, Esc, F12), press that button instead of scroll lock. For example, if you want to turn off beep and have defined the hotkey preceding sequence key as F12, press F12 + F12 + B.
- 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. When the OSD Menu is active, the mouse will be locked until you exit the OSD Menu.

Technical Specifications

Management:	TK-804R: 8 computers TK-1604R: 16 computers
Console Port Connectors:	1 x USB keyboard Type A 1 x USB mouse Type A 1 x PS/2 keyboard 6-pin mini din female 1 x PS/2 mouse 6-pin mini din female 1 x VGA HDB 15-pin female
Daisy-Chain Port Connectors:	1 x VGA HDB 15-pin male (Daisy-Chain IN) 1 x VGA HDB 15-pin female (Daisy-Chain OUT)
PC Port Connectors: (all female)	TK-803R: 8 x VGA HDB 15-pin TK-1603R: 16 x VGA HDB 15-pin
VGA Resolution:	2048 x 1536
Daisy-Chain Levels:	8 Levels
Maximum Number of PC Connections:	TK-804R: 64 Computers TK-1604R: 128 Computers
Port Selection:	Push Button, OSD and Hot-Key Commands
LED Segment:	Per Port : PC Link (Green) ; PC Active (Red)
Keyboard State:	Saved and restored
Auto-Scan Intervals:	10 ~ 100 seconds
Power:	PS/2 Interface Power USB Interface Power External AC Power Adapter : 9V DC, 1A
Size (19" Rack mount):	1RU
Dimensions:	407 x 164 x 45 mm (16 x 6.5 x 1.8 in)
Weight:	TK-803R : 1.70 kg (4.15 lbs) TK-1603R : 2.06 kg (4.55 lbs)
Operating Temperature:	0°C ~ 40°C (32°F ~104°F)
Storage Temperature:	-20°C ~ 60°C (-4°F ~ 140°F)
Humidity:	0%~90%, Non-Condensing
Certifications:	FCC and CE

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

A1: It is recommended that you use the included external AC adapter with the TK-804R/TK-1604R KVM switch.

Q2: I have the KVM switch connected properly, but my keyboard and mouse don't work. What should I do?

A2: First, make sure the power adapter is plugged into your KVM switch. Second, make sure your PS/2/USB ports are working properly by connecting your mouse and keyboard directly to the PS/2 or USB port computer. Third, once you confirm that the PS/2 or USB ports are functional, please reboot your computers, and try to use the KVM switch again. Fourth, if your computer is running Windows 98SE, you may need to download and install the USB hot fix. Please go to this link for download and installation instructions: <http://support.microsoft.com/kb/q240075>. Once the hot fix is installed, follow the installation instructions in Section 2.

Q3: Can I connect or disconnect the KVM cables while the computers are turned on?

A3: Yes, you can connect or disconnect the KVM cables while the computers are turned on, because the interface is 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 when switching between computers. (i.e.: Caps Lock, Num Lock, etc.)

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

A5: You can switch computers by pressing the Push Buttons on the KVM switch or using the Hot Key commands. Go to Section 3 Operation for more information.

Q6: I already have the TK-207K/TK-407K. Can I use the KVM cables that come with the TK-804R/TK-1604R with the TK-207K/TK-407K?

A6: You can not use the KVM cables that come with the TK-207K/TK-407K. The pin layout for the TK-804R/TK-1604R is different from the TK-207K/TK-407K. You must use the TK-CU06/TK-CU10/TK-CU15.

Q7: Does the keyboard and mouse have to be the same type (e.g. USB or PS/2)?

A7: One device can be USB while the other device is PS/2.

If you still encounter problems or have any questions regarding the TK-804R/TK-1604R, please contact TRENDnet's Technical Support Department.

Limited Warranty

TRENDnet warrants its products against defects in material and workmanship, under normal use and service, for the following lengths of time from the date of purchase.

TK-804R/TK-1604R - 2-Year Warranty

If a product does not operate as warranted above during the applicable warranty period, TRENDnet shall, at its option and expense, repair the defective product or part, deliver to customer an equivalent product or part to replace the defective item, or refund to customer the purchase price paid for the defective product. All products that are replaced will become the property of TRENDnet. Replacement products may be new or reconditioned.

TRENDnet shall not be responsible for any software, firmware, information, or memory data of customer contained in, stored on, or integrated with any products returned to TRENDnet pursuant to any warranty.

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Governing Law: This Limited Warranty shall be governed by the laws of the state of California.

AC/DC Power Adapter, Cooling Fan, Cables and Power Supply carry a 1 Year Warranty

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.



Waste electrical and electronic products must not be disposed of with household waste. Please recycle where facilities exist. Check with you Local Authority or Retailer for recycling advice.



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En todos nuestros equipos se mencionan claramente las características del adaptador de alimentación necesario para su funcionamiento. El uso de un adaptador distinto al mencionado puede producir daños físicos y/o daños al equipo conectado. El adaptador de alimentación debe operar con voltaje y frecuencia de la energía eléctrica domiciliar existente en el país o zona de instalación.



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