



## Quick Installation Guide



**TK-401R**  
**TK-801R**  
**TK-1601R**

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# 1. Before You Start



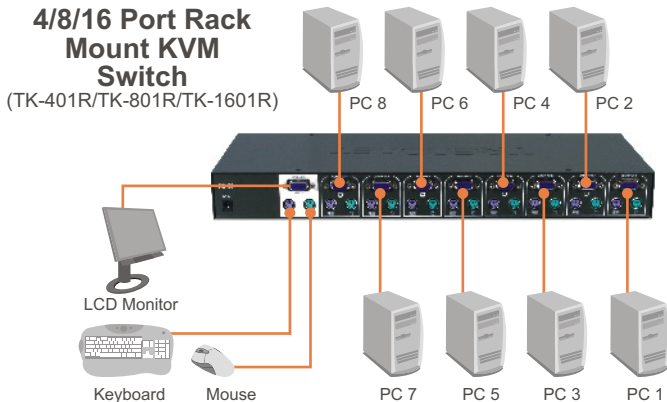
## Package Contents

- TK-401R/TK-801R/TK-1601R
- Quick Installation Guide
- Rack mount kit
- AC Power Adapter (9V DC 1A)  
(TK-801R/TK-1601R)

## System Requirements

- PS/2 Keyboard
- PS/2 Mouse
- VGA Compatible Monitor
- KVM cables
- Windows 98SE/ME/2000/2003 Server, Linux, and Netware

## Application



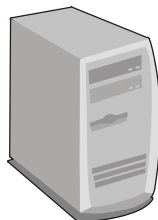
## 2. How to Install

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

2. Use the KVM cables to connect each computer to the KVM switch.

3. Connect the shared PS /2 keyboard, monitor, and PS/2 mouse to the KVM switch's **Console Port**. (TK-1601R shown)

4. Connect the included AC Power Adapter to the KVM switch and then to a power outlet (TK-801R /TK-1601R only).



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



## **Rack Mount**

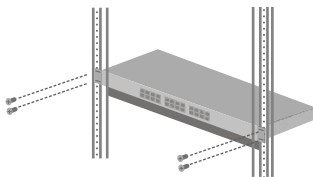
The KVM Switch can be mounted in an EIA standard-size, 19-inch rack, which can be placed in a wiring closet with other equipment.

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.

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



7. Carefully position the 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 switch.



**Your installation is now complete.**

## 3. Operation

Note: To switch between computers, you can use the front-panel push buttons or the Hot Key commands.

### LED Indicators

**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.

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



### Push Buttons

Press the push buttons to switch between computers.

### 3.2 Hot-Key Commands

A keyboard hot-key command consists of three keystrokes:

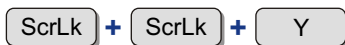
**Hot-Key command = ScrLk + ScrLk + Command key(s)**

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.

To select a specific PC port:

#### For TK-401R

Y = Port number 1-4



For example, to Select Port 1 on the KVM switch you hit the following key sequence



#### For TK-801R/TK-1601R



Y Z = Port number 01-08 or Port number 01-16



For example, to select **Port 1** or **Port 10** on the KVM Switch you hit the following key sequence

Select Port 1 = A diagram showing the sequence of four keys to be pressed: a rounded rectangular button labeled 'ScrLk', followed by a plus sign '+', another rounded rectangular button labeled 'ScrLk', followed by a plus sign '+', a rounded rectangular button labeled '0', followed by a plus sign '+', and finally a rounded rectangular button labeled '1'.

Select Port 10 = A diagram showing the sequence of four keys to be pressed: a rounded rectangular button labeled 'ScrLk', followed by a plus sign '+', another rounded rectangular button labeled 'ScrLk', followed by a plus sign '+', a rounded rectangular button labeled '1', followed by a plus sign '+', and finally a rounded rectangular button labeled '0'.

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

## Quick Reference Sheet for TK-401R/TK-801R/TK-1601R

Command	Hot-Keys	Front-Panel Buttons	Description
Select PC	<p>TK-401R</p> <p>ScrLk + ScrLk + Y</p> <p>(Y)= 1-digit port number (1-4)</p> <p>TK-801R/TK-1601R</p> <p>ScrLk + ScrLk + Y + Z</p> <p>(YZ)= 2-digit port number (01-16)</p>	Press the Push Button for a specific port to switch to that port	Select the active PC channel
Next lower channel	ScrLk + ScrLk +  (Arrow up)	- - -	Select the next lower PC channel
Next higher channel	ScrLk + ScrLk +  (Arrow down)	- - -	Select the next higher PC channel
Autoscan Beep Sound On/Off	ScrLk + ScrLk + B	- - -	Toggle On/Off beep sound during Autoscan mode.
Reset KVM	ScrLk + ScrLk + END	- - -	
Autoscan	ScrLk + ScrLk + S	- - -	Autoscan through every connected channel for quick screen browsing of each channel
Autoscan with Programmable Delay Time	ScrLk + ScrLk + S + X (X)= 5-99 Seconds	- - -	Autoscan through every connected channel for quick screen browsing of each channel in intervals of X seconds
Stop Autoscan	Press any key on keyboard	Press any button.	Terminate Autoscan activity.



# Specifications

<b>Management:</b>	TK-401R: 4 computers TK-801R: 8 computers TK-1601R: 16 computers
<b>Console Port Connectors: (all female)</b>	1 x PS/2 keyboard 6-pin mini din 1 x PS/2 mouse 6-pin mini din 1 x VGA HDB15 15-pin
<b>PC Port Connectors: (all female)</b>	4/8/16 x PS/2 keyboard 6-pin mini din 4/8/16 x PS/2 mouse 6-pin mini din 4/8/16 x VGA HDB 15-pin
<b>VGA Resolution:</b>	1920 x 1440
<b>Port Selection:</b>	Push Button and Hot-Key Commands
<b>Auto-Scan Intervals:</b>	5 ~ 99 seconds
<b>External AC Power Adapter:</b>	9V DC, 1A (TK-801/TK1601 only)
<b>Dimensions:</b>	<u>TK-401R</u> 202 x 104 x 45mm (8.0 x 4.1 x 1.8 in.)  <u>TK-801R</u> 407 x 165 x 45mm (16.0 x 6.5 x 1.8in.)  <u>TK-1601R</u> 406 x 165 x 85 mm (16.0 x 6.5 x 3.4 in.)
<b>Weight:</b>	TK-401R : 835g (1.84lb.) TK-801R : 1.9 kg (4.2 lbs) TK-1601R : 2.65 kg (5.85 lbs)
<b>Operating Temperature:</b>	0°C ~ 40°C (32°F ~104°F)
<b>Storage Temperature:</b>	-20°C ~ 60°C (-4°F ~ 140°F)
<b>Humidity:</b>	0%~90%, Non-Condensing
<b>Certifications:</b>	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-801R/TK-1601R KVM switch.

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

**A2:** Please make sure your PS/2 ports are working properly by testing it with another mouse or keyboard. Once you confirm that the PS/2 ports are functional, please reboot your computers, and try to use the KVM switch again.

**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.: 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. Go to Section 3 Operation for more information.

If you still encounter problems or have any questions regarding the TK-401R/TK-801R/TK-1601R 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-401R/TK-801R/TK-1601R - 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.

There are no user serviceable parts inside the product. Do not remove or attempt to service the product by any unauthorized service center. This warranty is voided if (i) the product has been modified or repaired by any unauthorized service center, (ii) the product was subject to accident, abuse, or improper use (iii) the product was subject to conditions more severe than those specified in the manual.

Warranty service may be obtained by contacting TRENDnet office within the applicable warranty period for a Return Material Authorization (RMA) number, accompanied by a copy of the dated proof of the purchase. Products returned to TRENDnet must be pre-authorized by TRENDnet with RMA number marked on the outside of the package, and sent prepaid, insured and packaged appropriately for safe shipment.

WARRANTIES EXCLUSIVE: IF THE TRENDnet PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE, THE CUSTOMER'S SOLE REMEDY SHALL BE, AT TRENDnet'S OPTION, REPAIR OR REPLACEMENT. THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. TRENDnet NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE, INSTALLATION MAINTENANCE OR USE OF TRENDnet'S PRODUCTS.

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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, Power Supply, and Cables 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 your Local Authority or Retailer for recycling advice.



**NOTE:** THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

## ADVERTENCIA

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.



## TRENDnet Technical Support

### US • Canada

**Toll Free Telephone:** 1(866) 845-3673

24/7 Tech Support



### Europe (Germany • France • Italy • Spain • Switzerland • UK)

**Toll Free Telephone:** +00800 60 76 76 67

English/Espanol - 24/7

Francais/Deutsch - 11am-8pm, Monday - Friday MET

### Worldwide

**Telephone:** +(31) (0) 20 504 05 35

English/Espanol - 24/7

Francais/Deutsch - 11am-8pm, Monday - Friday MET

## Product Warranty Registration

Please take a moment to register your product online.

Go to TRENDnet's website at <http://www.trendnet.com>

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