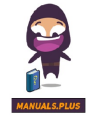


LINKSYS KVM 2 Port Switch Kit



# LINKSYS KVM 2 Port Switch Kit User Guide

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**LINKSYS KVM 2 Port Switch Kit**



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## **LIMITED WARRANTY**

Linksys guarantees that every KVM 2-Port Switch Kit is free from physical defects in material and workmanship under normal use for one (1) year from the date of purchase. If the product proves defective during this warranty period, call Linksys Customer Support to obtain a Return Authorization number. The warranty is for repair or replacement only. Linksys does not issue any refunds. **BE SURE TO HAVE YOUR PROOF OF PURCHASE AND PRODUCT BARCODE ON HAND WHEN CALLING. RETURN REQUESTS CANNOT BE PROCESSED WITHOUT PROOF OF PURCHASE AND PRODUCT BARCODE.** When returning a product, mark the Return Authorization number clearly on the outside of the package and include your original proof of purchase and package barcode.

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## **FCC STATEMENT**

This equipment has been tested and found to comply with the limits for a Class A digital device, under Part 15 of the FCC Rules. These limits are designed to protect reasonably against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used according to the instructions, 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 is found 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 or device
- Connect the equipment to an outlet other than the receiver™s
- Consult a dealer or an experienced radio/TV technician for assistance

## Introduction

Congratulations on your purchase of a Linksys ProConnect KVM 2-Port Switch Kit. This handy little CPU switch lets you take instant commands over two desktop or notebook PCs! Ready to run right out of the box with no software or extra cables required, the ProConnect KVM 2-Port Switch Kit lets you connect two CPUs to a single keyboard, monitor, and mouse. The KVM 2-Port Switch Kit comes with everything you need – a switch and two cables. Just hook it up and go. Switch between two PCs with the press of a button! Do you have a notebook computer? Plug it into the switch and control it from your desktop PC's full-sized keyboard, monitor, and mouse — it's like having your own docking station! Built to last, the ProConnect 2-Port Switch Kit virtually eliminates cable swapping while saving you hundreds of dollars in storage space and hardware costs. It's the perfect choice for the home, office, or anywhere you need to manage multiple PCs quickly and easily! Because it doesn't use software, the ProConnect KVM 2-Port Switch is compatible with all major desktop and laptop computers, software, and network operating systems.

### Some of its features and capabilities include:

- The Ability to Control Two Computers from a Single Keyboard, Monitor, and Mouse
- Special Cables are Included — There's Nothing Else To Buy\*
- Press the Select Button to Switch Instantly Between PCs
- Save Hundreds of Dollars in Equipment, Space, and Power Costs
- Connect Two PC with PS/2 Mice and Keyboards or Connect a PC with a PS/2 type Mouse and Keyboard with a PC using an AT Keyboard and a Serial Mouse\*
- Supports Microsoft IntelliMouse, Logitech MouseMan +, FirstMouse +, and IBM Scroll Point Mice.
- Supports Virtually All VGA, SVGA, and Multisync Video Monitors
- Adapters for an AT Keyboard and a Serial Mouse are Included
- Full Mouse Conversion – One PS/2 Mouse Will Control Both Serial and PS/2 Mice
- Serves as a Quick Docking Station for Notebook Computers
- Supports an Incredible 1920 x 1440 Maximum Screen Resolution
- Each PC's Keyboard Caps Lock, Num. Lock, and Scroll Lock Settings Are Automatically Recalled
- Runs with Virtually All Software and Operating Systems
- Runs with All Standard AT, PS/2, and Windows 95 Keyboards
- Compatible with All Major PS/2 Mice
- No Software Required
- Sturdy Chassis and Quality Connectors for Long Life
- Professional Grade Cables Included
- Free Technical Support
- 1-Year Limited Warranty

**Note:** If both computers have an AT keyboard and Serial Mouse, Additional adapters must be purchased. The KVM switch itself can only accept the following input devices: PS/2 mice (no adapters can be used for the mouse) and PS/2 key-boards (an AT to PS/2 adapter may be used to connect an AT-type keyboard).

### About This Guide

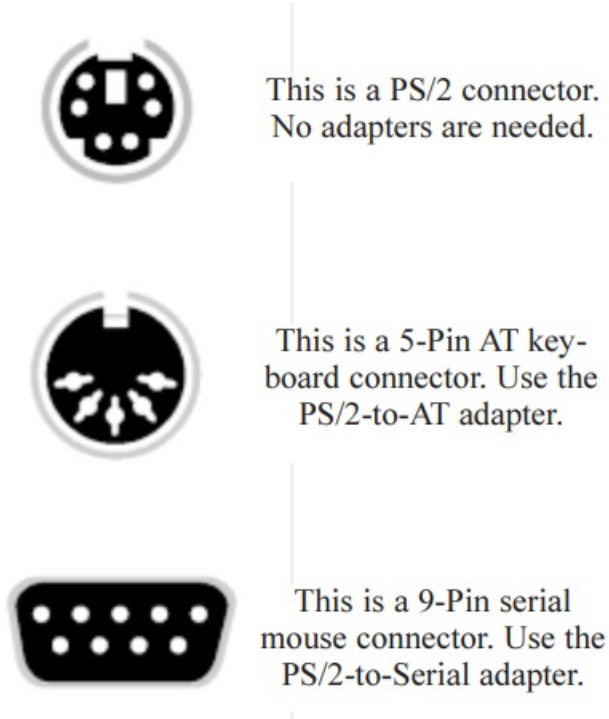
This guide explains how to install and use the Linksys ProConnect KVM 2-Port Switch Kit.

## Package Contents

- ProConnect 2-Port KVM Switch unit
- 2 Keyboard, Video, and Mouse Cables (PS/2)
- 1 PS/2 to 9-Pin Serial Mouse Adapter
- 1 PS/2 to 5-Pin AT Keyboard Adapter
- User Guide and Registration Card

Before attempting the installation, be sure that you have the proper keyboard, video, and mouse cables for connecting your computers to the switch. If one or both of your PCs do not have PS/2 mouse or keyboard ports, you must use the PS/2 to Serial mouse adapter and the PS/2 to AT keyboard adapter included in this package. If both of your PCs are missing PS/2 ports, you need to purchase two more adapters identical to the ones in this package. The adapters are inexpensive and easy to find.

Consult the diagram below to find out whether you need to use any adapters.



## Getting to Know the Hardware

If you look at your KVM switch, you will see three sets of connectors. Two of them are for CPUs, and one is labeled "Console". The console connectors are where you will attach your monitor, keyboard, and mouse that you will be using to control your two remote CPUs. You will need to attach the following to the console connectors:

- 1 VGA, SVGA, or Multisync monitor capable of the highest resolution that you will be using on any computer in the installation
- 1 PS/2 Mouse
- 1 PS/2 Style Keyboard or AT Style Keyboard Plus Keyboard Adapter (usually included with keyboard or may be purchased separately)

For your input devices and your monitor to properly communicate with the CPUs on the switch, you must ensure that the following equipment is installed on the computers that you plan to use with the switch.

- A VGA, SVGA or Multisync card.

- Either a 6-pin mini-DIN (PS/2 style), or DB-9 (standard serial) mouse port.
- Either a 6-pin mini-DIN (PS/2 Style) keyboard port with +5V DC on pin 4 and ground on pin 3, or a 5-pin DIN (AT Style) keyboard port with + 5V DC on pin 5 and ground on pin 4.\*
  - See step 5 on page 8 in the next section.

## Cables

For your convenience, you can use any standard extender cables to connect your PCs to the switch. However, we recommend that you use the provided custom-built cables that were provided with the switch. Not only will this simplify the installation procedure and help keep your work area free of excess cable clutter, but it will also help to protect the integrity of your data. It is not recommended that you use cables longer than 6 feet, (1.8 meters). Please note that the keyboard and mouse connectors at the ends of the custom-built cables are PS/2-style. If your PC uses a standard AT style keyboard socket, we have provided a PS/2-to-AT keyboard adapter so that you can plug the cable into the PC's keyboard port. If your PC uses standard serial connectors for the mouse ports, we have included a PS/2-to-Serial adapter so that you can plug the custom cable into the PC's mouse port. These adapters must be used on the PC side of the connection. DO NOT connect the adapters to the KVM Switch. If you are using the standard extender cables, you cannot use a Serial-to-PS/2 converter at the end of the cable to connect your mouse port to the switch. Wiring and pin assignments on the two different interfaces make this translation impossible. If you need more cables, they can be purchased at any authorized Linksys dealer.

## Installing the Hardware

Before you begin, make sure that the KVM Switch and both PCs you will be connecting are turned OFF.

1. Find the set of connectors marked Console on the right face of the KVM Switch. Plug in your mouse, keyboard, and monitor here.
2. Connect the ends of the custom extender cable (included with the KVM Switch Kit) to the keyboard, monitor, and mouse ports of your first PC. If you need to use the adapters to connect the cable, use them on the PC end of the cable, not the switch end. See page 7 for more information about using the adapters.
3. Connect the other ends of the cable to the set of connectors marked PC 1 on the KVM switch.
4. Now connect your second PC (PC 2) using the other extender cable.
5. This step is optional: If you are using a DC power adapter, plug it into the KVM switch now. A power adapter is not required, and the KVM switch is not provided with one. The KVM switch automatically draws power from the PCs connected to it. If you have a special scenario that requires you to use a power adapter, you must purchase one from a computer hardware store. The power adapter should supply 5V DC and a minimum of 50mA of current.
6. Power on the PCs that are connected to the switch.  
One of the LEDs on the switch will light up indicating which PC is being controlled. To monitor the other PC, press the select button on the KVM switch.

## Using the Hot Keys

The KVM switch can navigate between the two PCs using the console's keyboard. This allows you to switch between PC 1 and PC 2 without having to touch the switch. You can store the switch in an out-of-the-way location to free up the clutter in your workspace. There are three hot key functions:

- Select the Active PC
- Auto Scan Mode
- Last/Next Mode

## Select the Active PC

Both PCs on your switch are assigned an ID number, (PC 1 or PC 2). By using a combination of keys, you can designate which ID number you'd like to control.

1. Press and release ALT, then CTRL, then SHIFT, all one at a time.
2. Press the appropriate ID number, (1 or 2)
3. Hit Enter

## Auto Scan Mode

The KVM Switch can also scan between the two PCs at set intervals. Once this mode has been set, the switch will scan back and forth between the two PCs until you tell it to stop.

1. Press and release ALT, then CTRL, then SHIFT, all one at a time.
2. Press and release 0 (zero)
3. Hit Enter

The switch will cycle between the two PCs continuously until you press the spacebar. The KVM switch then returns to normal operation.

## Last/Next Mode

The KVM switch allows you to switch between PCs manually by only using one key. To set up the Last/Next mode, do the following:

1. Press and release ALT, then CTRL, then SHIFT, all one at a time.
2. Press and release 9
3. Hit Enter

Now that the Last/Next mode is active, press the left Shift key (L SHIFT) or right Shift key (R SHIFT) to switch between PCs. While you are in Last/Next mode, none of the other keys on the keyboard will work. You need to exit the Last/Next mode by pressing the spacebar to gain control of the keyboard.

## Troubleshooting

### General Troubleshooting Hints

If you are experiencing problems, first be sure that your cables are connected properly, make sure that there are no problems with your cables, and be certain that all of your PC hardware is fully operational. Also, if either of your PCs have a power-saving feature for the keyboard, you must disable it. The KVM switch draws power from the keyboard ports on the two PCs. If you cannot disable the power-saving feature, then you must purchase a DC 5V (50mA minimum) power adapter and plug it into the KVM switch. A note about notebooks: Some notebooks, namely the IBM Thinkpad and some Toshiba models, will cause problems when used with the KVM switch. They are sensitive and may not function normally when the mouse and keyboard ports are both being used at the same time. To avoid these problems, only connect the keyboard port or the mouse port to the KVM switch. If you only connect the mouse port, when you make the notebook the active PC, you will not be able to use the console keyboard. You will have to use the notebook's keyboard instead.

### Specific Problems

#### Problem

The mouse won't respond

#### Solution

Try resetting the mouse. Unplug it from the console port and then plug it back in. Try resetting the KVM switch. Turn off both PCs. If you have a power adapter connected to the KVM switch, disconnect it. Turn off your monitor, wait five seconds, then power on the PCs, the monitor, and the KVM switch. The KVM Switch does not support some special “combo” mice – the ones with the extra buttons or wheels that can switch between PS/2 and serial modes. Switch the mouse to PS/2 mode if you want to use the extra features. If the mouse still won't respond, change the mouse and/or the driver. Try using a generic PS/2 mouse and the drivers that are built into your operating system. Your mouse resolution may be too high. Reconfigure your mouse to operate at a lower resolution.

### **Problem**

The keyboard won't respond

### **Solution**

Try resetting the keyboard. Unplug it from the console port and then plug it back in. Try resetting the KVM switch. Turn off both PCs. If you have a power adapter connected to the KVM switch, disconnect it. Turn off your monitor, wait five seconds, then power on the PCs, the monitor and the KVM switch. You may have the KVM switch set in Auto Scan or Last/Next mode. Hit the spacebar to return to normal operation.

### **Problem**

The video monitor is not working properly.

### **Solution**

The cable quality is not good enough. Be sure to use the cables included in this kit. Some monitors may require specially shielded high-definition coaxial VGA cables in order to work properly. Try using the cable that came with the monitor. The KVM switch has two LEDs. They are marked PC 1 and PC 2. The LED will turn on when the corresponding PC has been selected on the KVM switch. If the LEDs are flashing on and off regularly, the KVM switch is in Auto Scan mode. If the LEDs are flashing “on long and off short”, then the KVM switch is in Last/Next mode.

## **Specifications**

- **Power** By Keyboard or Optional AC Adapter
- **Number of PCs Supported** 2
- **PC Selected by** Keyboard or Button
- **Keyboard Emulation** PS/2 and AT
- **Mouse Emulation** PS/2 and Serial Mouse
- **LEDs** 2 ( 1 for each PC)
- **VGA Resolution (MAX)** 1920×1440
- **Monitor Type** VGA, SVGA & MultiSync
- **Scan Interval** 3 seconds
- **Input/CPU Keyboard Port** 6-pin mini DIN (PS/2)
- **Input/CPU Mouse Port** 6-pin mini DIN (PS/2)
- **Input/CPU VGA Port** 15-pin HDB Type Male
- **Console Keyboard Port** 6-pin mini DIN (PS/2)
- **Console Mouse Port** 6-pin mini-DIN (PS/2)
- **Console VGA Port** 15-pin HDB Type female
- **Weight** 200g (7 oz.)
- **Enclosure** Plastic
- **Dimensions (L x W x H)** 5.0" x 3.9" x 1.3"
- **Operating Temperature** 40° – 100° F
- **Storage Temperature** 0° – 140° F

- **Operating Humidity** 0 – 80% Non-Condensing

## Customer Support

For help with the installation or operation of your KVM 2-Port Switch Kit, contact Linksys Customer Support at one of the phone numbers or Internet addresses below.

- **Customer Support** 949-261-1288
- **Fax** 949-261-8868
- **Bulletin Board** 949-261-2888 (33.6K, 8-N-1)
- **Email** [support@linksys.com](mailto:support@linksys.com)
- **Web** <http://www.linksys.com>
- **FTP Site** [ftp.linksys.com](ftp://ftp.linksys.com)
- <http://www.linksys.com>


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## Documents / Resources

	<p><a href="#">LINKSYS KVM 2 Port Switch Kit</a> [pdf] User Guide KVM 2 Port Switch Kit, KVM, 2 Port Switch Kit, Switch Kit, Kit</p>
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## References

-  [Linksys | Networking & WiFi Technology](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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