

USER'S MANUAL

Model No: 2 Ports Mini PS/2 ToUSB KVM switch with built-in two 6 feet 2-in-one cables

Introduction

Thank you for purchasing 2 Port Mini USB KVM switch. Mini USB KVM switch can save your MONEY, TIME, SPACE, EQUIPMENT and POWER. You don't need to prepare extra cables between PC and Mini USB KVM Switch.

Controlling two PCs (or Mac or SUN Micro Systems) from One Keyboard, Mouse, VGA Monitor . Mini USB KVM switch is loaded with features such as hot-key, and auto scan control. It has complete keyboard and mouse emulation for simultaneous PCs boot-up process.

Features

- 2 Port Mini USB KVM switch is compact size design, easy portable.
- Mini PS2 KVM switch built in KVM cable kit, no extra KVM cable needed
- Support Microsoft Intellimouse, Logitech Net Mouse, Microsoft mouse fully compatible mouse ,...etc
- Support 98/98SE/2000/ME/XP/NT, Netware, Unix, Linux, Sun Solaris, MAC O.S 8.6 or later version
- Connect to USB Macintosh systems or USB SUN Micro Systems
- Hot Plug - Add or Remove Connected PCs for Maintenance Without Powering Down the KVM switch or PCs.
- Very High Video Quality - Up To 2048X1536, Bandwidth: 400MHz
- No Software Required - easy PC selection via Hot Keys
- Auto Scan Mode for monitoring PCs
- Keyboard status restored when switching PCs
- LED Display for easy status monitoring

Package Contents

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Technical Specifications:

Model No.	KS-802
PC Port	2 USB Type A ports 2 VGA ports
Console Port	2 PS/2 ports
PC Port Cable	Two 2-in-one USB/VGA
Built in KVM cable length (Feet)	6
Console port connector	PS/2 Keyboard Mini Din 6 pin Female PS/2 Mouse Mini Din 6 pin Female VGA HDDDB 15pin Female
PC selection	Hot Key
LED	2
MAX PC Connections	2
Scan Intervals	5,10,20,30,40,50,60,70,80,90 ,100 sec.
Keyboard Conversion	PS/2 to USB
Mouse Conversion	PS/2 to USB
VGA Resolution	2048X1536
Bandwidth	400MHz
Power Type	Bus Power
Operation Temperature	0~50
Storage Temperature	-20 ~ 60
Humidity	0~90%, Non-Condensing
Housing	Plastic
Size	N/A
Dimension (mm)	N/A
Weight (kg)	N/A

System Requirements Specifications:

Functions	KS-802
Console side	One VGA Monitor One PS/2 Keyboard One PS/2 Mouse
Computer Side	No extra cable needed









Product Details

KS-802
<Diagram>

MAC O.S. and Sun Micro Systems Keyboard Mapping

The following diagram indexes the Hotkey combination that emulates Mac O.S. and Sun Micro keyboard commands. This feature is only available on the PS/2 keyboard attached to the KVM, and is not available on the USB keyboard.

Left Windows Key = L_Win

Sun Microsystems Keyboard	Windows ps2 Keyboard	Mac OS
Stop	L_Win & L_Alt	
Props	L_Win & L_Ctrl	
Compose	L_Win & L_Shift	
Front	L_Win & F1	
Open	L_Win & F2	
Find	L_Win & F3	
Again	L_Win & F4	
Undo	L_Win & F5	
Copy	L_Win & F6	
Paste	L_Win & F7	
Cut	L_Win & F8	
Help	L_Win & F11	
Power 	L_Win & F12	Power 
Mute  	L_Win & "1"	
V_DN  	L_Win & "2"	
V_UP  	L_Win & "3"	
	Windows Key	Apple Key
	Alt	Option
	Print Screen	F13
	Scroll Lock	F14
	Pause Break	F15

Hardware Installation

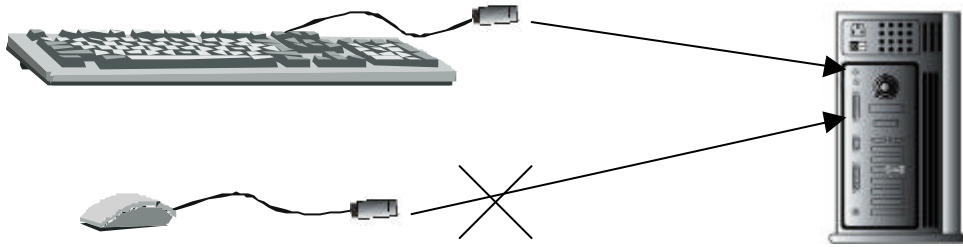
Before installation, please make sure all of peripherals and computers have been turned off.

Windows 98/98SE user:

When you apply Windows 98/98SE to USB KVM Switch, please use the following set up procedures:

1st Step:

1. Connecting USB type A cable to PC.
2. Connecting HDDB15 pin Male cable to PC.
3. VGA monitor's cable is connected to console VGA port
4. Connecting PS2 keyboard to PC PS/2 keyboard port directly. Please do not connect PS2 mouse to your PC.



5. Boot up the PC and PC is unable to get the mouse during boot up system. The Windows O.S. will show the following message or similar things :

" Windows did not detect a mouse attached to the computer. You can safely attach a serial mouse now. To attach a mouse to a PS/2 mouse port, you must first turn the computer off. "

Do not show this message in the future. "

Please use keyboard "Tab" key, "Space" bar and "Enter" key to select the item " ✓ Do not show this message in the future." and finishing booting Windows O.S..

5. It will mount USB HID (Human Interface Device) driver. Using Keyboard Tab key, Left Arrow key, Right Arrow key and Enter key to accomplish set up process.
6. To switch to the next PC port of USB KVM switch
7. Repeat item 5 and 6 procedure to all of PCs.
8. Please use Windows key to shut down computers.

2nd Step:

1. Connect PS2 keyboard and PS2 mouse to Mini USB KVM Switch's console port.
2. Turn on all of PCs

Windows ME/XP/NT/2000 user:

When you apply Windows ME/XP/NT/2000 to Mini USB KVM Switch, please use the following set up procedure:

1. Connecting USB cable to PC*.
2. Connecting HDDB15 pin Male cable to PC.
3. VGA monitor's cable is connected to console VGA port.
4. Connecting keyboard and mouse to mini USB KVM Switch's console PS/2 port.
5. Boot all of PCs

" * " MAC and Sun Micro Systems has the similar installation like mentioned-above PC installation process.

Note:

Please don't switch the PC port (i.e. Don't run hot key command) during the computers are under boot-up process.

DOS User:

If the motherboard BIOS' USB port is disabled in default mode and it does not work in DOS mode. Please disconnect Mini USB KVM Switch from PCs and connect PS2 keyboard to the PS2 port of PC for enabling BIOS USB port.

Different motherboard BIOS has different USB port set up procedure. Here are some examples, which based on some kind of BIOS version, below for the user reference.

- A. AWARD BIOS: To press "Del" key immediately for a couple of times when powering on PC and you will get into BIOS set up mode. Select "Advanced" item. USB Legacy support. Select "AUTO". Save and quit BIOS set up.
- B. PHOENIX BIOS : To press "F2" after powering on PC gets into BIOS set up mode. Select "Advanced" item. Legacy USB support. Select "Enable". Save and quit BIOS set up.
- C. AMI BIOS : To press "Del" key immediately for a couple of times when powering on PC and you will get into BIOS set up mode. Select "Chipset features setup". USB controller. all USB port USB KB/Mouse. KEYB+MOUSE. Save and quit BIOS set up.

Note: If the PC BIOS need check keyboard to accomplish boot up process and the PC might show keyboard error message on the screen, please configure the BIOS setting again.

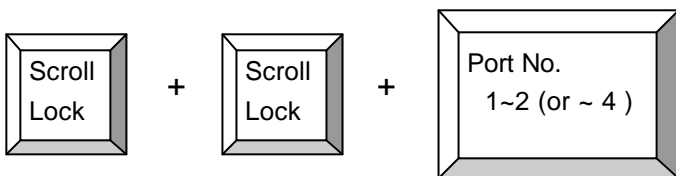
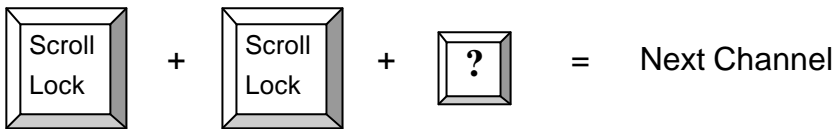
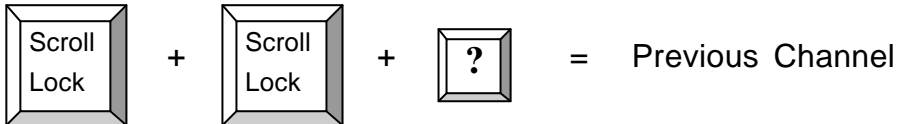
When you enter BIOS set up mode, please select the item "Halt on Error" or the other Error condition setting and select "Halt all errors but Keyboard" or to ignore keyboard during boot up BIOS process.

Operation: Hot Key

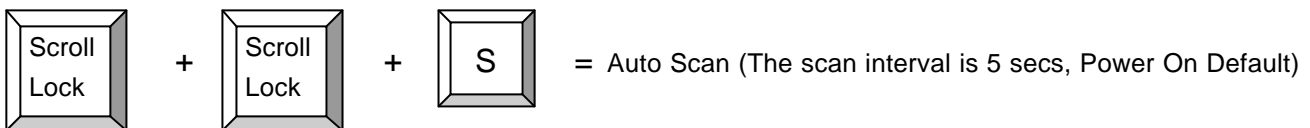
To send commands to Mini USB KVM Switch, the SCROLL LOCK key must be pressed twice within 2 seconds. If you have not pressed any key in hot key mode within 2 seconds (It means to key in any key follows up “Scroll Lock” “Scroll Lock” key), the keyboard will back to under Operation System control state.

To select PC port in PS2 hot key :

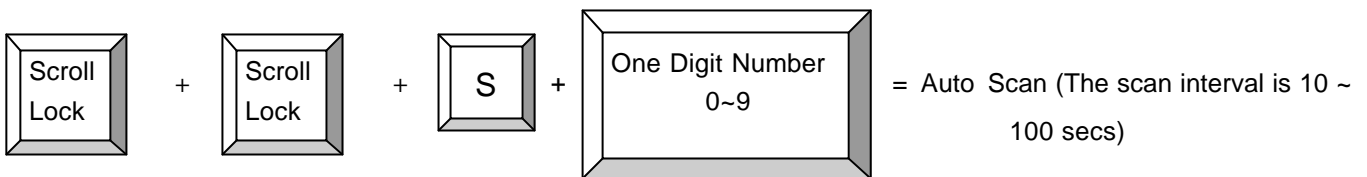
↳ within 2 seconds ◀



Auto Scan Mode:



(Note: Auto scan mode only works with at least two PCs powered on simultaneously)



Digital Number 1: 10 secs 2: 20 secs 3: 30 secs 4: 40 secs 5: 50 secs 6: 60 secs 7: 70secs 8: 80 secs 9: 90 secs 0: 100 secs

Usage:

Normally, there is one LED is always lit (i.e. the console is connected to this PC port) for one PC port and the other PC port' s LED is off, when you power on KVM switch.
 When you select one of two PCs and it is shut down, the selected port LED flashed.

Troubleshooting

Ensure that all cables are well seated. Label all of cables with the number for each respective computer to avoid confusion.

IBM PC or Compatible :

Keyboard or mouse not working or not compatible with the PC, please make sure the keyboard or mouse works when directly plug in to the computer. If the problem persists, please try another keyboard or mouse.

Mouse doesn't work in Auto Scan mode, you can press any key on the keyboard for returning standard mode and then use the Keyboard or Mouse again.

When KVM switch is in Auto Scan mode, there are only VGA monitor display and CPU alternately. After you press any key, the PC port will be selected at the same time, as you see the current PC Screen.

If you apply PS/2 keyboard to Mini USB KVM switch's PS/2 port and are fail in booting PC on account of keyboard error (There is a keyboard error message exists on the screen), the PC BIOS(Basic Input Output System) need be set up(please see the hardware installation procedure) or upgraded to new BIOS for accepting USB to PS/2 conversion. Normally, most of BIOS' support , during PC boot process, to recognize USB to PS/2 keyboard conversion or USB keyboard.

For 4D or 5D mouse user, due to USB conversion standard does not define PS2 to USB converter for 4D or 5D mouse, these extra user define key will lose function when the users use the PS2 port of USB KVM switch.

When you use Japanese windows OS with 106 key keyboard, there are some special keys like " ¥ " need 106 key driver(Microsoft native driver in OS CD-ROM). Please follow procedures below and click the mouse to add new driver.

Win98/SE/ME :

control panel ? Add new hardware ? Next ? Next ? Select

"No, the device isn't in the list" ? Select ? "No, I want to select the hardware from a list" ?

Select keyboard ? Select standard keyboard ? Select (日本語) Japanese 106 key keyboard ?

Reboot PC

Win2000 :

Control panel ? System ? Hardware ? Device manager ? Keyboards ? Standard keyboard ?

Click mouse right key ? Properties ? Driver ? Update driver ? Display a list of the known drivers

? For this device so that I can choose a specific driver ? Standard keyboard ? Standard (日本

語)Japanese 106 key keyboard ? Reboot PC

WinNT :

Control panel ? Keyboard ? General ? Change ? Show all devices ? Standard(日本語)

Japanese 106 key keyboard ? Reboot PC

WinXP :

Control panel ? System ? Hardware ? Device manager ? Keyboards ? Standard keyboard ?

Click mouse right key ? driver ? Update driver ? Install from a list or specific location (advanced)

? Don't search. I will choose the driver to install ? Deselect show compatible hardware ? Standard

keyboard ? Standard(日本語)Japanese 106 key keyboard ? Reboot PC