4 port / 8 port / 16 port

19" RACK MOUNTABLE
USB KVM SWITCH

USER'S MANUAL

Rev 1.0

TABLE OF CONTENTS

Introduction

Thank you for purchasing USB KVM switch. 19" Rack Mount USB KVM switch can save your MONEY, TIME, SPACE, EQUIPMENT and POWER.

Controlling multiple USB computers from One USB Keyboard, USB Mouse and VGA Monitor. Rack Mount USB KVM switch is loaded with features such as 19" Rack Mount Size, Daisy Chain up to Eight units, On Screen Display Menu, Password security, Searching PC server name, Hot key Control, Push Button and Auto Scan Control. It has complete keyboard and mouse emulation for simultaneous PCs boot-up process.

Features

- 4/8/16 port USB KVM switch is 19" rack mount size design
- USB 1.1 Specification compliant
- Support UHCI, OHCI USB interface
- Support Win98/98SE/ME/2000/XP, WinNT, HP Unix, Linux, Sun Solaris, MAC O.S 8.6 or later version
- Manage multiple PCs, G3/G4 MACs, iMACs, SUN Microsystems with USB port from one USB keyboard, USB Mouse and Monitor.
- Hot Plug - Add PCs or Remove Connected PCs for Maintenance without Powering Down the KVM switch or PCs.
- Very High Video Quality - Up To 1920X1440, Bandwidth: 200MHz
- No Software Required - easy PC selection via On Screen Display Menu, Push Buttons, Hot Keys
- Support eight characters password protection and search PC server name
- Plug N Play, No software driver needed for USB keyboard and USB mouse operation.
- Auto Scan Mode for monitoring PCs and flexible Scan time from 5~99 seconds
- Keyboard status restored when switching PCs
- Support VGA DDC, DDC2, DDC2B.
- LED Display for easy status monitoring
- Buzzer sound for switching port confirmation.
- Using 2-in-one cable (HDDB 15 pin male to HDDB 15 pin male and USB type A plug)
- Built-in one extra daisy chain port and no waste any PC port
- No DIP switch setting needed and auto detect daisy chain bank

Package Contents

Model No.: 4 port Rack Mount USB KVM Switch

4 port USB KVM Switch	1 PCS
User's manual	1 PCS
AC to DC Power Adapter	1 PCS
Rack Mount Kit	1 SET
Daisy Chain Cable	1 PCS
2-in-one PC port cable	4 PCS

Model No.: 8 port Rack Mount USB KVM Switch

8 port USB KVM Switch	1 PCS
User's manual	1 PCS
AC to DC Power Adapter	1 PCS
Rack Mount Kit	1 SET
Daisy Chain Cable	1 SET
2-in-one PC port cable	4 PCS

Model No.: 16 port Rack Mount KVM Switch

16 port USB KVM Switch	1 PCS
User's manual	1 PCS
AC to DC Power Adapter	1 PCS
Rack Mount Kit	1 SET
Daisy Chain Cable	1 SET
2-in-one PC port cable	4 PCS

Technical Specifications

Model No.	4 port Rack Mount USB KVM Switch	8 port Rack Mount USB KVM Switch	16 port Rack Mount USB KVM Switch
PC Port	4	8	16
Console Port	1	1	1
PC Port Connector (All Female Types)	VGA HDDB 15pin (shared with USB port)		
Console Port Connector (All Female Types)	USB Keyboard USB-A type USB Mouse USB-A type VGA HDDB 15pin		
Daisy Chain Port Connector (All Female Types)	VGA HDDB 15pin		
PC selection	On Screen Display Menu, Hot Key, Push Button		
PC Port LED	4	8	16
Bank 7 segment LED	1		
On Screen Display Control	Yes		
Scan Intervals	5~99 Sec.		
Keyboard Emulation	USB		
Mouse Emulation	USB		
VGA Resolution	1920X1440		
Bandwidth	200MHz		
Daisy Chain MAX Level	8		
MAX PC Connection	116	120	128
Housing	Metal		
Power Adapter	DC 12V 1A		
Operation Temperature	0~50		
Storage Temperature	-20 ~ 60		
Humidity	0~80%, Non-Condensing		
Size	19" Rack Mount / 1RU	19" Rack Mount / 1RU	19" Rack Mount/ 1RU
Weight (kg)	1.9	2.0	2.2
Dimension (cm)	41(L) X 16.5(W) X 4.4(H)	41(L) X 16.5(W) X 4.4(H)	41(L) X 16.5(W) X 4.4(H)

System Requirements

Specifications:

Model No.	4 port Rack Mount USB KVM Switch
Console side	One VGA Monitor One USB Keyboard One USB Mouse
Computer side	4 HDDB 15 pin male to one HDDB 15 pin male and USB type A plug 4 pin special cables

Model No.	8 port Rack Mount USB KVM Switch
Console side	One VGA Monitor One USB Keyboard One USB Mouse
Computer side	8 HDDB 15 pin male to one HDDB 15 pin male and USB type A plug 4 pin special cables

Model No.	16 port Rack Mount USB KVM Switch
Console side	One VGA Monitor One USB Keyboard One USB Mouse
Computer side	16 HDDB 15 pin male to one HDDB 15 pin male and USB type A plug 4 pin special cables

Cable Diagrams

PC Port Special Cable:
HDDB15 pin Male to One HDDB 15 pin male and USB type A plug 4 pin special cable

Daisy Chain Cable:
HDDB15 pin Male to Male

Product Details

Front Panel & Rear Panel of 4 port Rack Mount USB KVM Switch:

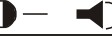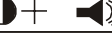**Front Panel & Rear Panel of 8 port Rack Mount USB KVM Switch:**

Front Panel & Rear Panel of 16 port Rack Mount USB KVM Switch:

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 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. This example of installation is based on 8 port USB KVM switch and you also can think that 4 port or 16 port USB KVM switch have the same installation procedures

Step 1

Find a convenient place to put your USB KVM Switch. Its 19" rack mount form factor makes it ideal mountable on 19" rack.   When mounting to a rack, attach the included brackets to the sides of the USB KVM Switch. Take note of the length of your cables so that your computers, USB KVM Switch, keyboard, mouse and monitor are distanced properly.
Attach the power adapter which included in this package to the USB KVM unit and plug the other end into an electrical receptacle. Now you will see the LED for Port 1 light up, and you will hear a beep.

Step 2

Connect the monitor to the USB KVM Switch. Using the attached cable, or the one included with your monitor, connect it to the HDDB-15 female port on the back of the USB KVM unit labeled with the monitor symbol at the CONSOLE port connector.
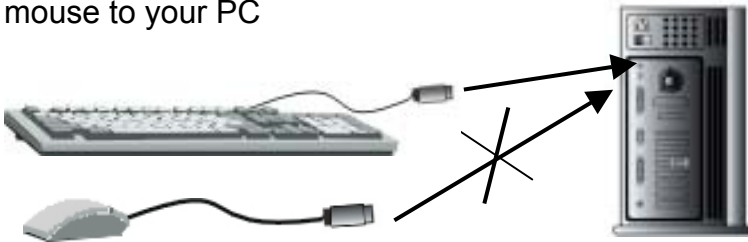

Note: For Windows ME/XP/NT/2000 user, please skip step 3 and go to Step 3-1 directly.

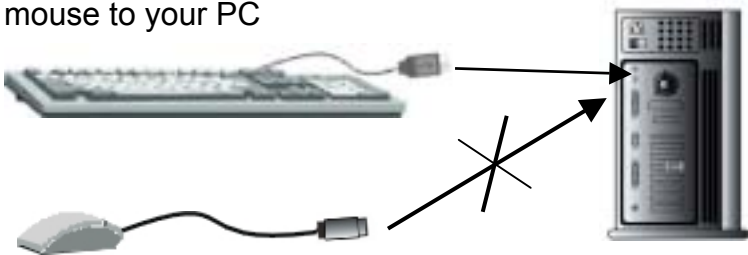**Step 3**

For Windows 98/98SE/DOS user only:
Connect PS/2 keyboard to your PC PS/2 keyboard port directly and do not connect PS/2 mouse to your PC

Step 3-1

For Windows ME/XP/NT/2000 user only:
Connect USB keyboard to your PC USB keyboard port directly and do not connect PS/2 mouse to your PC
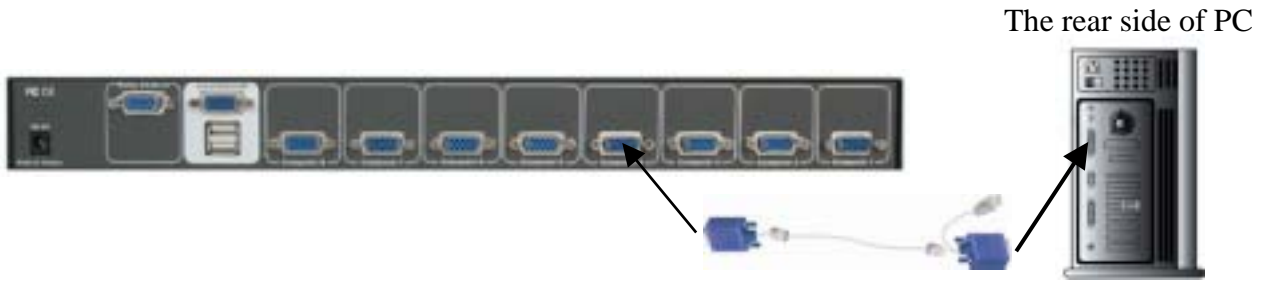

Step 4

Please connect the USB mouse to the USB KVM Switch's USB mouse port.

Step 5

Now the PC connections will be made with the monitor (VGA) connections first. Connect a 2-in-one cable (15-pin HDDB Male to 15-pin HDDB Male and USB type A) with the VGA male side to both of the PC and the rear panel of the USB KVM switch to the connector labeled VGA.

The rear side of PC

Step 6

Connect 2-in-one cable (15-pin HDDB Male to 15-pin HDDB Male and USB type A) USB type A side cable to the PC.

The rear side of PC
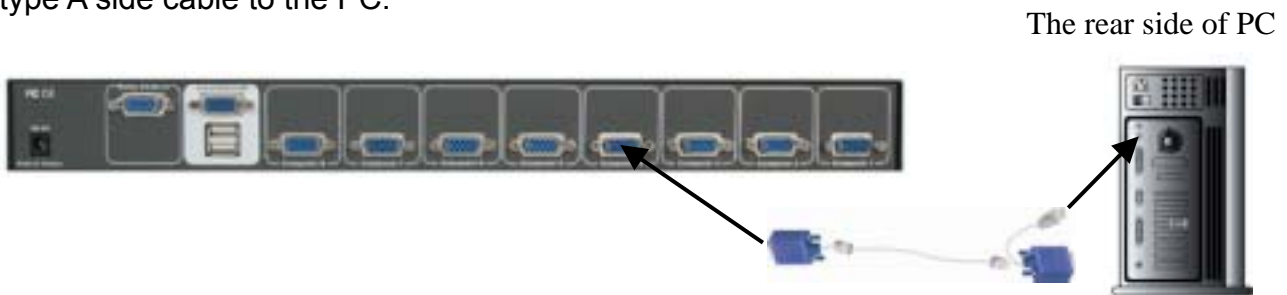
Step 7

Windows 98/98SE user:

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

1. Boot the PC and PC is unable to get the mouse during boot up system. The Window 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..

2. 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.

3. Please turn off USB KVM Switch and use Windows key " 🪟 " to shut down computers.

DOS User:

If the motherboard BIOS' USB port is disable in default mode and you apply USB keyboard or USB mouse to PC. It does not work in DOS mode. Please disconnect USB keyboard or USB mouse and connect PS/2 keyboard to the PS/2 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.

Step 8

1. For Windows 98/98SE/DOS user, Please repeat **step 3** to **7** for the remainder of the computers.
2. For Windows ME/XP/NT/2000 user, Please repeat **step 3-1** to **6** for the remainder of the computers.

Step 9

Connect the USB Keyboard to the USB KVM Switch.

Note: For MAC or Sun Microsystems user, please follow up the similar installation procedure like Windows ME/XP/NT/2000.

Usage

The power on state of 4/8/16 port KVM switch:
When you power on KVM switch, it will ask you the password, **the default password value is eight zero –" 00000000 "**. Please key in eight zero and enter the same value at retype field.

Note: Before you are not familiar with the operation of OSD menu, please don't change the password – i.e. keep default eight zero (00000000) value. Otherwise, if you have set the password and unfortunately forget the password, you need send it back to your distributor for maintaining the password.

Pressing BANK Button to change BANK, and each BANK button assigns the channel to designated PORT.

The LED display shows the Power On PC.

4 port Rack Mount USB KVM Switch

The Push Buttons [ ] **:**
Pressing the individual button to get PC port you want.

Reset Button ([ ] **(" Bank " button) and** [ ] **(" PC 4 " button)):**
To press both "PC 4 " button and " Bank " button of master bank simultaneously can reset KVM switch. This reset action will not only return KVM switch back to initial state --- Check the password, but also re-check all of slave banks which connected to mast KVM Switch.
If you add a new KVM Switch as a slave bank, please use reset button of master KVM Switch to automatically assign a new ID to it. You can view this new slave bank go through OSD menu. The PC ports of KVM Switch does not be reset by reset command.

PC port LED Indication:
There are two LEDs--- Power LED **(The LED is marked by " P ")** and Link LED **(The LED is marked by " O ")** accompanied with each PC port.

When you select one of four PC ports and this PC is shut down or this PC port is disconnected to the PC, the selected power port LED is off (But, if this PC is PC99 type, the selected power port LED is lit) and the Link LED is flash. When you select one of four PCs ports and this PC is powered on, the selected port Link LED is lit.

8 port Rack Mount USB KVM Switch

The Push Buttons [ ] **:**
Pressing the individual button to get PC port you want.

Reset Button ([ ] **(" Bank " button) and** [ ] **(" PC 8 " button)):**
To press both "PC 8 " button and " Bank " button of master bank simultaneously can reset KVM switch. This reset action will not only return KVM switch back to initial state --- Check the password, but also re-check all of slave banks which connected to mast KVM Switch.
If you add a new KVM Switch as a slave bank, please use reset button of master KVM Switch to automatically assign a new ID to it. You can view this new slave bank go through OSD menu. The PC ports of KVM Switch does not be reset by reset command.

PC port LED Indication :
There are two LEDs--- Power LED **(The LED is marked by " P ")** and Link LED **(The LED is marked by " O ")** accompanied with each PC port.

When you select one of eight PC ports and this PC is shut down or this PC port is disconnected to the PC, the selected power port LED is off (But, if this PC is PC99 type, the selected power port LED is lit) and the Link LED is flash. When you select one of eight PCs ports and this PC is powered on, the selected port Link LED is lit.

16 port Rack Mount USB KVM Switch

The Push Buttons [ ] **:**
Pressing the individual button to get PC port you want.
To press both " Shift " button and port 1(or port 2, 3,4,5,6,7,8) individual button

simultaneous to get PC port 9 (10,11,12,13,14,15,16) respectively.

For example: The user would like to switch console port to PC port 12. He can press " Shift " button and port 4 button simultaneously. The port LED of PC port 12 is lit when the console is switched to PC port 12.

Reset Button (**(" Bank " button) and** **(" PC 8 " button)):**

To press both "PC 8 " button and " Bank " button of master bank simultaneously can reset KVM switch. This reset action will not only return KVM switch back to initial state --- Check the password, but also re-check all of slave banks which connected to mast KVM Switch.

If you add a new KVM Switch as a slave bank, please use reset button of master KVM switch to automatically assign a new ID to it. You can view this new slave bank go through OSD menu. The PC ports of KVM Switch does not be reset by reset command.

16 port Rack Mount USB KVM Switch (16 Ports)

PC port LED Indication :

There are two LEDs--- Power LED **(The LED is marked by " P ")** and Link LED **(The LED is marked by " O ")** accompanied with each PC port.

When you select one of sixteen PC ports and this PC is shut down or this PC port is disconnected to the PC, the selected power port LED is off (But, if this PC is PC99 type, the selected power port LED is lit) and the Link LED is flash. When you select one of sixteen PCs ports and this PC is powered on, the selected port Link LED is lit.

Note: If there are one of rack mount of KVM switches you used is 16 port USB KVM switch, please put 16 port USB KVM switch on the 1st bank (or say Master bank). It is based on 16 port USB KVM switch supports 16 port LEDs display on the front panel. Otherwise, 4 port or 8 port USB KVM switch is allocated at 1st bank and there is a 16 port USB KVM switch chained to the slave bank, the master bank (or say 1st bank) is unable to show the PC port LEDs (from port 9 to 16) of 16 port USB KVM switch completely.

7-Segment BANK LED Indication

When you would like to view the next bank KVM switch, please press " BANK " push button cyclically to the destination bank. The bank LED will be changed from bank 1 to the maximum daisy chain level and then to press " BANK " push button once back to the bank 1.
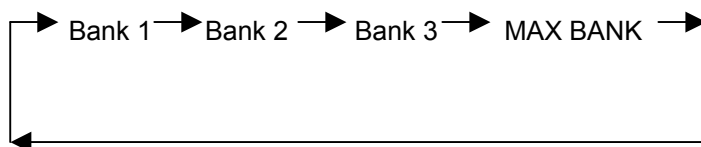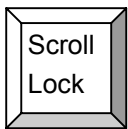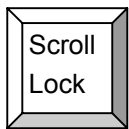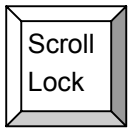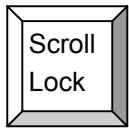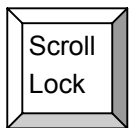

Keyboard Hot Key Commands:

You can also conveniently command KVM switch by switching ports through simple key sequences. To send commands to KVM switch, **the "SCROLL LOCK" key must be pressed twice within 2 seconds.** You will hear a beep for confirmation and the keyboard is in hot key mode. 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.
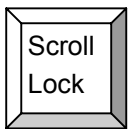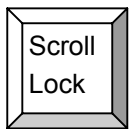
Below are the different hot key commands:
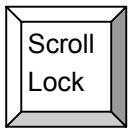
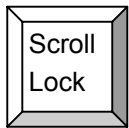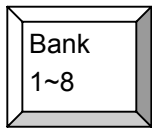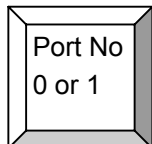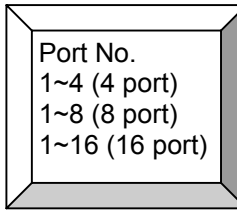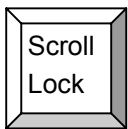| Scroll Lock | + | Scroll Lock | + | ↑ | = | Previous Power On Channel (PC is Power On) |

| Scroll Lock | + | Scroll Lock | + | ↓ | = | Next Power On Channel (PC is Power On) |
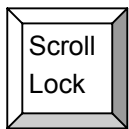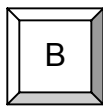
(Note: You also could press "up arrow key" or "down arrow key" longer time to speed up selecting the destination port)
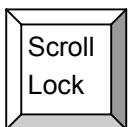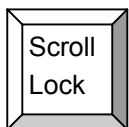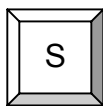
| Scroll Lock | + | Scroll Lock | + | Page Up | = | Previous Bank (PC is power on) |

| Scroll Lock | + | Scroll Lock | + | Page Down | = | Next Bank (PC is power on) |

To select PC port:
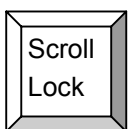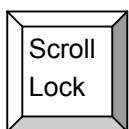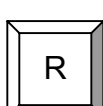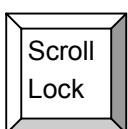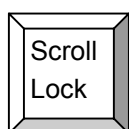
| Scroll Lock | + | Scroll Lock | + | Bank 1~8 | Port No 0 or 1 | Port No. 1~4 (4 port) 1~8 (8 port) 1~16 (16 port) |

| Scroll Lock | + | Scroll Lock | + | B | = | Beeper |

(Note: The default Beeper function is ON and beeper control is only for available for Scan Mode)

| Scroll Lock | + | Scroll Lock | + | S | = | Auto Scan (Note: This function is just for power on PC PORT) |

To get out of Auto Scan Mode, Press any key or SPACE bar.

| Scroll Lock | + | Scroll Lock | + | R | = | OSD setting back to factory default value |

(Note: Not including password)

| Scroll Lock | + | Scroll Lock | + | Space Bar | = | On Screen Display Menu |

Example

A. To access a computer attached to Port 4 of the third Bank. You can press through hot key as below:

Scroll lock + Scroll lock + 3 + 04

B. To access a computer attached from Bank 3 to Bank 4, You can press through hot key as below:

Scroll lock + Scroll lock + Page Down

Note:

Bank no. and Port no. selection must be made using the numeric keys on the keyboard. Numeric keys on the keypad are not available as a hot key command.

Daisy Chain Connection Diagram

Please use the attached 3 feet VGA daisy chain Cable Kit to daisy chain the KVM Switch and plug-in Power Adapter (12V 1A) into every KVM switch before daisy chaining other KVM switch.

A. Connect Keyboard, Mouse and Monitor to the console port (silver color block) of bank 1 KVM switch.

B. Use one end of daisy chain Cable Kit to connect the daisy chain port of bank 1 and the other end for the console port (silver color block) of bank 2 KVM switch.

C. Please repeat item B to daisy chain more bank as you want. But, the maximum daisy chain bank is eight levels.

Bank:1

Bank:2

Bank:3

Bank:8

Maximum 8 Levels
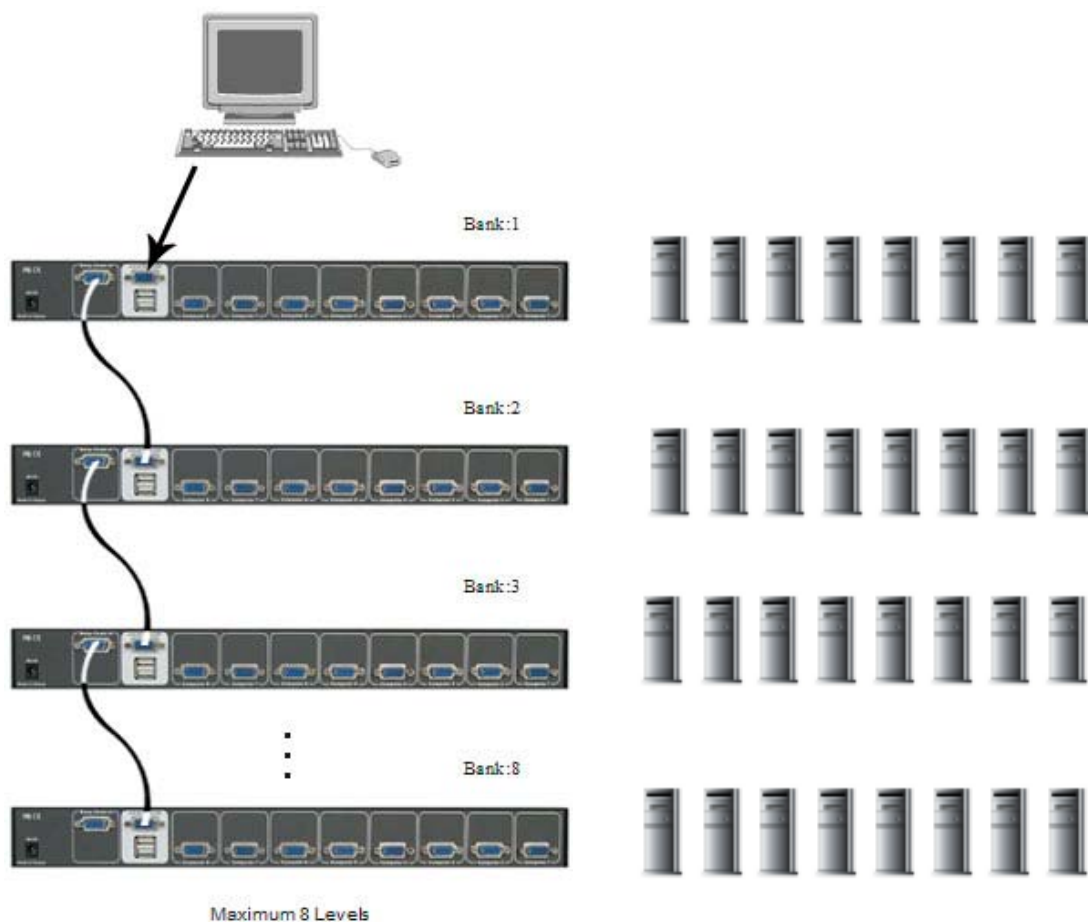
Hot Plug

The USB KVM Switch supports "Hot Plug" function for easy addition or removal of PCs.

On Screen Display Operation

On Screen Display provides a menu driven interface to handle a computer switching process, to name a PC name or server name, to set up the password/window display time and to search PC port name if you don't remember it.

Note: When using the keyboard arrow key to move the cursor, the keypad arrow key (Up, Down, Right, Left) is unable to work at this menu.

When you pop up the OSD menu window through the hot key, you will see the "**MAIN CONTROLS**" window on your monitor as below. There are two ways, keyboard and mouse, to operate the on screen display.
Keyboard Operating: In MAIN CONTROLS window, use the Up "⬆" or the Down "⬇" Key to select a category and press Enter"↵" Key to get into designated option. Pressing "**F1**" Key brings up **HELP** window and **Esc** key to exit.

Mouse Operating: You may also simply use mouse, twice clicking left button, to choose a category. Clicking "?" will bring up **HELP** window and click "X" for exiting.

```
MAIN CONTROLS                                  ?X

ENTER   A   CHOICE :
01  LANGUAGE
02  PORTNAME
03  TIMEVIEW
04  SECURITY
05  FINDPORT
06  PASSWORD
07  CONSOLE
```
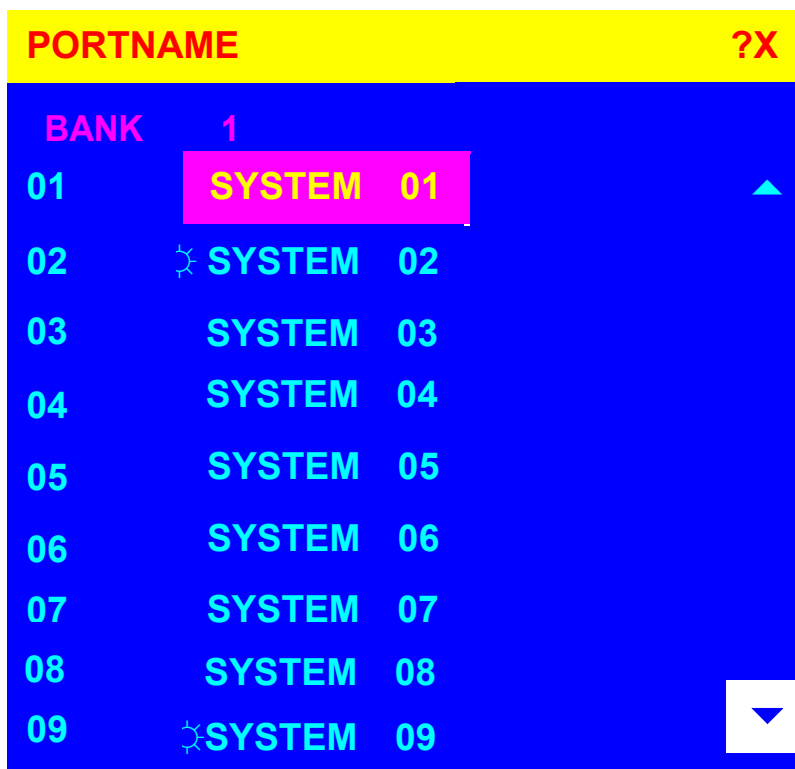
Once you use keyboard or mouse to move the highlight bar cursor to " PORTNAME " to press [Enter] key or double clicks " PORTNAME " to activate " PORTNAME " window. The other items like " LANGUAGE ", " TIMEVIEW ", " SECURITY ", " FINDPORT ", " PASSWORD ", and " CONSOLE " need be activated in the same way.

PORTNAME OSD Window :

```
PORTNAME                                ?X

 BANK      1
01        SYSTEM  01              ▲

02      ☼ SYSTEM  02

03        SYSTEM  03

04        SYSTEM  04

05        SYSTEM  05

06        SYSTEM  06

07        SYSTEM  07

08        SYSTEM  08
                                   ▼
09      ☼SYSTEM  09
```

a. The 1ST line bar is Bank no.
b. The 2nd block is your PC system name list. You will find the system number list from 01 to 04 (if the current box is 4 port) or from 01 to 08 (if the current box no. is 8 port) or from 01 to 16 (if the current box no. is 16 port). You can define your PC name in maximum 10 characters. The factory default of 16 port KVM switch PC name is from "SYSTEM 01", "SYSTEM 02" ,…, "SYSTEM 16" and 8 port KVM switch is from "SYSTEM 01", "SYSTEM 02",…, "SYSTEM 08". Besides, the sun symbol "☼ "near to the PC name represents the PC system is powered on.

Using the Up key "⬆ " or the Down key "⬇" to select port for destination PC name. After you have selected the PC port already, you can either press the ENTER Key, or twice clicking the left button of mouse to switch the PC port immediately. You can use mouse to click the triangle button, which located at the right up side or the right down side, to scroll the menu. If there are more items

than appear on the screen, the screen will scroll.

Use " PgUp " key or " PgDn" key for selecting previous or next Bank no. (or Box No.)

PORTNAME		?X
BANK	**1**	
01	☼ SYSTEM 01	
02	SYSTEM 02	
03	SYSTEM 03	
04	SYSTEM 04	

Press "INS" key or click the right button of mouse for editing PC name. To use " Tab " key to select items like BANK, TIMEVIEW, SECURITY, CONSOLE, FIND PORT…. etc.

HELP OSD Window :

Please operate the options in HELP window by using Esc, Enter, Insert, arrow, and Page Up/Page Down keys on your keyboard.

HELP	?X
ESC : QUIT	
ENTER : COMPLETE	
INSERT : EDIT	
⬆ / ⬇ / ➡ / ⬅ : SELECT	
PaUp / PaDn : BANK SELECT	

101	☼ SYSTEM 01

LANGUAGE OSD Window: MULTILINGUAL OSD

To use Keyboard: Press ⬆ / ⬇ to choose a language and press ENTER to save.

To use Mouse: Move mouse and click the left button to choose a language, and click left key again to save.

LANGUAGE   **?X**

CHOOSE A LANGUAGE :

01   ENGLISH

After finishing editing, please press "Enter "key for saving information.

TIMEVIEW OSD Window:

To use "⬆" and "⬇" key on keyboard or press the "INS" key, or click the right button of mouse to select and modify OSD and SCAN TIME.

TIMEVIEW   **?X**

OSD   TIME :   I0   SEC

SCAN TIME :   I0 : E C
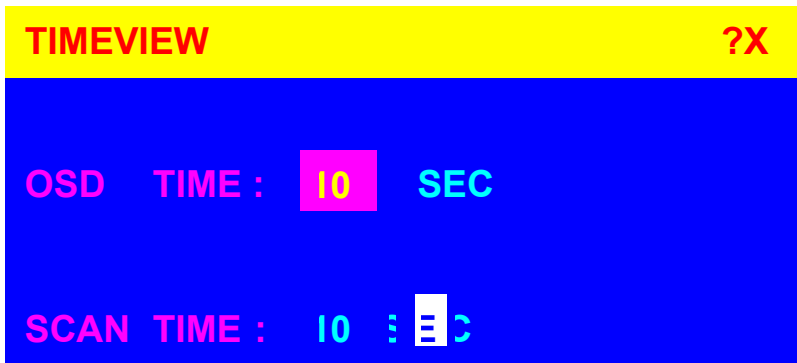
a. The "OSD: 10 SEC" means that the OSD windows display or PC system name exists 10 sec. on your monitor. You can modify it from 05 sec to 99 sec. The factory default value is 10 sec...

b. The "SCAN TIME" means that scan interval from one PC port to next PC port. The default SCAN time is 10 sec and the maximum scan time is 99 sec.

SECURITY OSD Window:

The "CHANGE PASSWORD" is for user to avoid all PC systems to be intruded by the other person. The default password is 8 digits " 00000000 ".

SECURITY   **?X**

ENTER PASSWORD

– – – – – – – –

ENTER NEW PASSWORD

– – – – – – – –

RETYPE NEW PASSWORD

– – – – – – – –
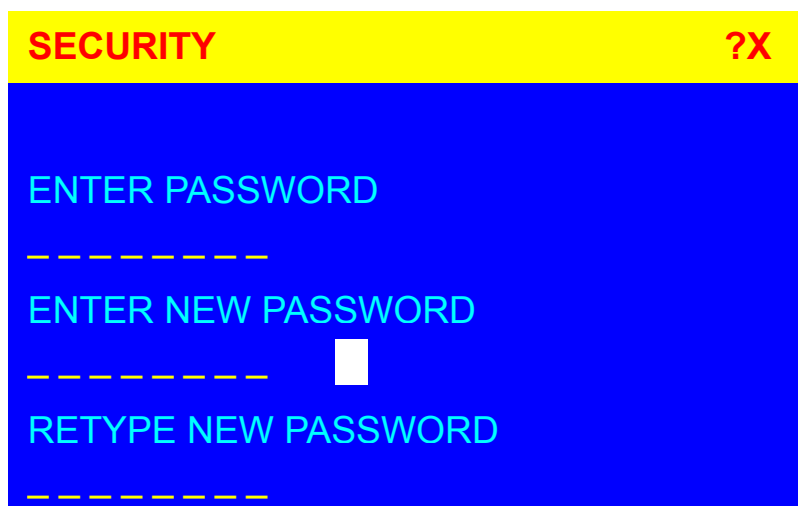
There is a "**SECURITY**" window shows out when you select this category in MAIN CONTROLS window. The maximum password is eight digits and there are three lines "ENTER PASSWORD", "ENTER NEW PASSWORD" and "RETYPE NEW PASSWORD" in the window. Please follow the steps as below to modify the password.

   **1.** First of all, you need to key-in the factory default password "00000000" in password line and press the "Enter" key.

    2. Then, enter the new password you wish in next line and press the "Enter" key.

    3. Retype the new password in bottom line again and press the "Enter" key for confirming your typed password is matched or not.

    4. If the retyped new password has matched to the entering new password, the OSD will jump back to MAIN CONTROLS window directly.

SECURITY	?X
ENTER PASSWORD	
●●●●●●●●	
ENTER NEW PASSWORD	
●●●●●●●● ▮	
RETYPE NEW PASSWORD	
●●●●●●●●	
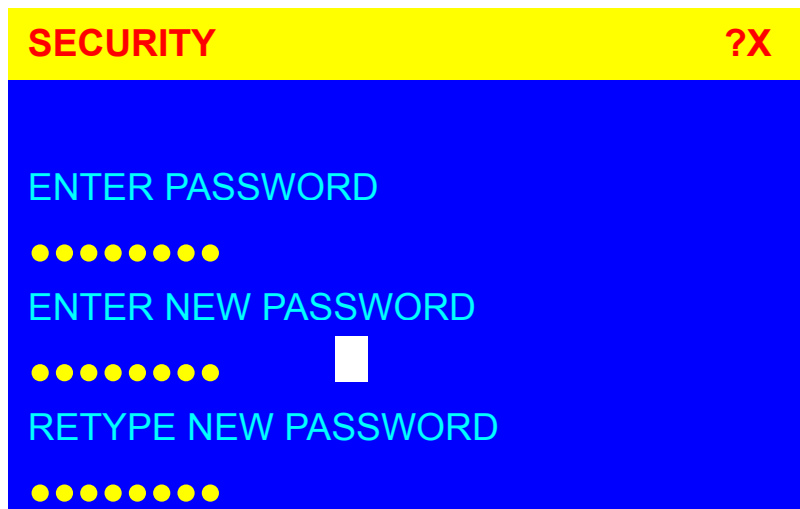
CONSOLE OSD Window :

The " CONSOLE ENABLE/DISABLE " means to manage the console of KVM switch. If you select " CONSOLE ENABLE ", it means that any user can use the console. If you select " CONSOLE DISABLE "(factory default ENABLE state), it means that any user will not be allowed to use the console unless you enter the password. When you enter the password already and pass the KVM switch authentication, the CONSOLE will be set to ENABLE. After you finish using KVM switch, please don't forget to set up CONSOLE ENABLE state to DISABLE state.

CONSOLE	?X
ENABLE	
DISABLE ▮	
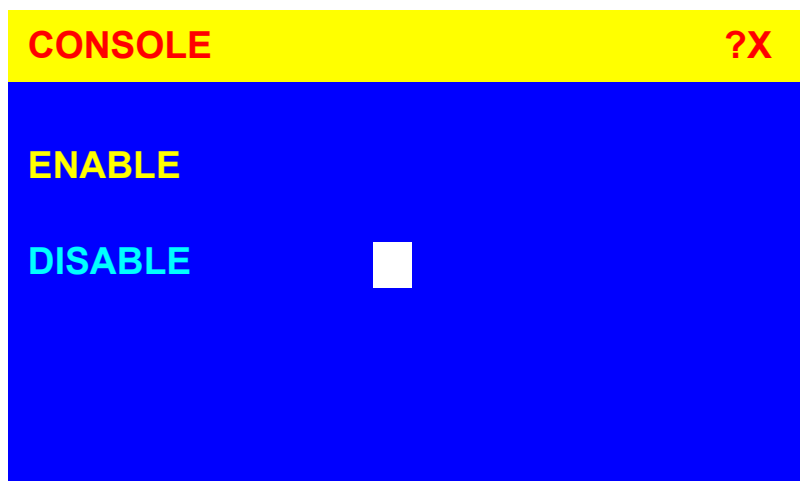
FINDPORT OSD Window :

The "FINDPORT" option helps you to find the PC system, the name you defined in PORTNAME function, by KVM switch. Key-in PC system name and press ENTER, it will search the matching PC system and given the message for searching result.

<div style="background:blue;color:white;padding:1em;">

FINDPORT   **?X**

ENTER   NAME :   _ _ _ _ _ _ _ _ _

</div>
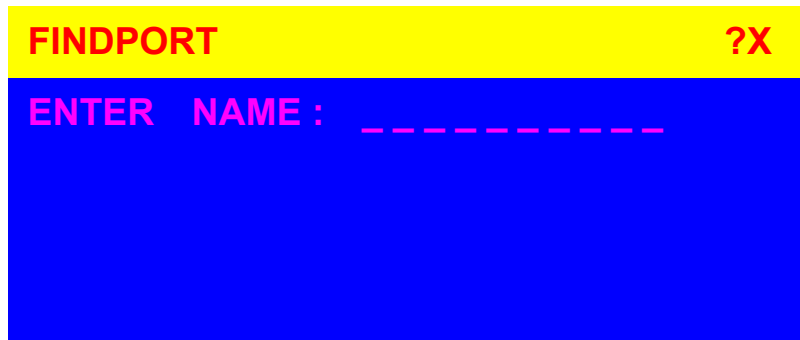
Example

    a. When you key-in "SYSTEM   01" and press ENTER, if there is matching PC systems were found by KVM switch, then the window will show the PC system name "SYSTEM   01" and which BANK it belongs to. Besides, you also could key-in wild card " * " and combine the other characters from A~Z and 0~9 to search all of system name lists matched the same format .

<div style="background:blue;color:white;padding:1em;">

FINDPORT   **?X**

BANK : 1

01   SYSTEM   01

</div>
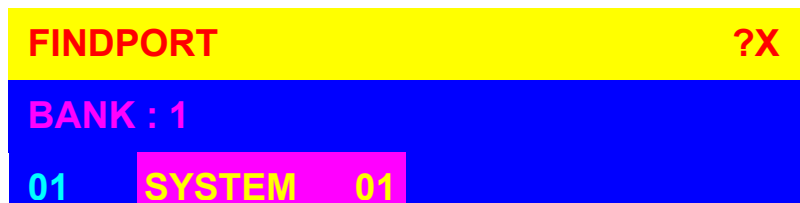
    b. If there is no particular PC system name were found, the window will show "PORTNAME NO FOUND!" message instead.

<div style="background:blue;color:white;padding:1em;">

FINDPORT   **?X**

BANK : 1
PORTNAME   NO   FOUND !

</div>

To use " PgUp " key or " PgDn" key for selecting previous or next Bank (or Box), then the window will show matching PC system name or PORTNAME NO FOUND message at other BANK (or Box).

when you finish the set up of PC name and get out of OSD setting mode, you will find the PC name showed at the up-left corner of monitor. Now, you can use ESC key to clear the message right away if you don't need it.

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 dose not work or not be compatible with the PC, please make sure the keyboard or mouse works when directly plug into 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 or the front button on the face plate for returning standard mode and then use the Keyboard or Mouse again.

● When USB KVM switch is in Auto Scan mode, there are only VGA monitor display and CPU alternately (but the USB Hub is not switched in auto scan mode). After you press any key, the PC port will be selected at the same time, as you see the current PC Screen.

● If your motherboard BIOS is unable to be upgraded to new BIOS, you may need boot this PC individually and the console port need be switched to this PC before you power on this PC.

● The recommended VGA cable distance is 5 meters maximum without ghosting and degradation. Normally, the cable length is based on driver capacity of your VGA card. Ensure that all cables are well seated. Label all of cables with the number for each respective computer to avoid confusion.

● The maximum keyboard or mouse cable is 5 meters feet maximum.

● When you use Japanese windows OS with 106 key keyboard, there are some special keys like "¥" need 106 key driver (Microsoft native driver in O.S. 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 (   ) 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 (　　　)Japanese 106 key keyboard → Reboot PC

WinNT

Control panel → Keyboard → General → Change → Show all devices → Standard(　　　) 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(　　　)Japanese 106 key keyboard → Reboot PC

CERTIFICATIONS

FCC

This equipment has been tested and found to comply with Part 15 of the FCC 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.

CE – Certificate

This equipment is in compliance with the requirements of the following regulations: EN 55 022: CLASS B

CE FCC

BMN006810A00