

## 2/4 Port KVM Switch



2 PORT

4 PORT

# USER MANUAL

*for PS2 / HDB15*

## ***FCC Statement Warning***

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction, 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 can be determined 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:

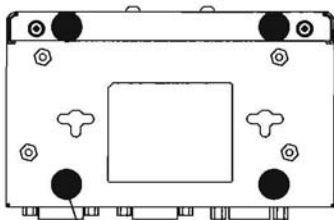
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the manufacturers may void the user's authority to operate this equipment.

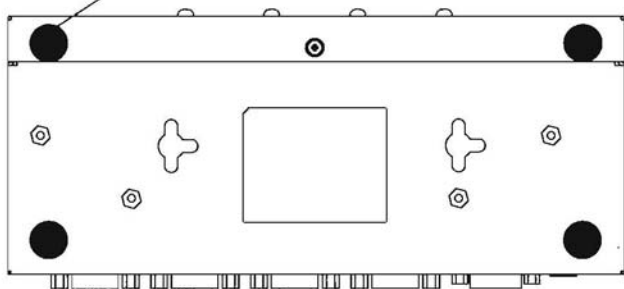
FC

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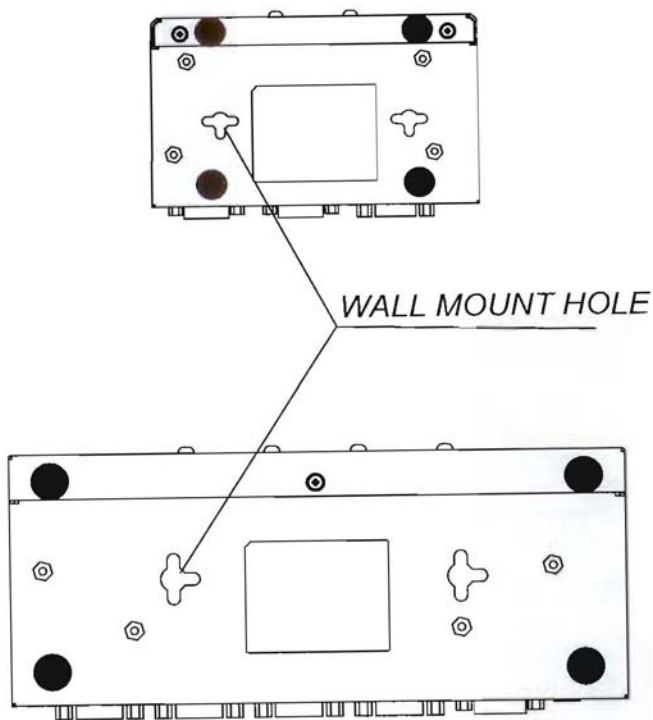
# RUBBER FOOT ASSEMBLY



*RUBBER FOOT*



## WALL MOUNT HOLE POSITION



# Overview

Thank you for your purchasing our products,  
The KVM Switch allows you to access multiple computers from one keyboard, mouse and monitor without extra interface card or software. Installation is as easy as connecting cables between the KVM Switch and your computers. Operation is as simple as push from front button( or press from top), or key in hot-key command.

***Both 2 port & 4 port available for wall mount.***

## Features

1. A single console access 2/4 computers
2. Button (push and press) and Hot-key operation
3. PC port supports standard PS/2 interface
4. Keyboard states automatically saved and restored
5. Buzzer sound On/Off selectable
6. LED status display for easy monitoring
7. Hot-key: Ctrl and Scroll Lock/Caps Lock selectable
8. Auto scan function available
9. PnP configuration without any software or interface card
10. Keyboard and mouse hot plugged any time
11. High VGA resolution 1920 x 1440, DDC

# INTRODUCTION

## FRONT VIEW

### TWO WAY BUTTON

#### PRESS FROM TOP

OR

#### PUSH FROM FRONT

#### PUSH FROM FRONT



### 1. **Port Selection buttons**

Press the button from top or push from front to access the corresponding computer port.

### 2. **Port LEDs:**

The port LEDs are inside the port selection button.

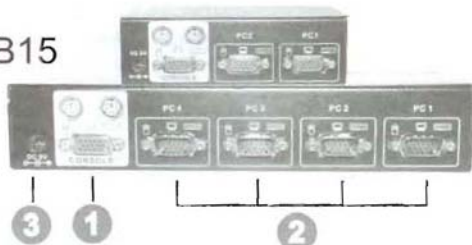
- The Selected LED lights RED to indicate that the selected computer port.  
the LED may flash according to a auto scan function.
- The ON Line LEDs lights GREEN to indicate that the computer port is powering up and running.

## REAR VIEW

PS2



HDB15



### 1. Console Port

Plug in your keyboard, monitor and mouse in here.  
Each port is identified by an appropriate sign.

### 2. PC Port

Plug in KVM cables (PS/2 or HDB15) to connect the computer's  
keyboard, monitor and mouse port in here.  
Each port is identified by an appropriate sign.

### 3. DC power jack

Plug in your power adaptor( optional ) in here.

# Installation

## Connection

For your system safety purpose, please make sure all PCs and Monitor or other devices are powered down during the installation

First, plug the power adapter to KVM( optional ).  
Then connect the CONSOLE and PC.

### Console Port

The monitor connected to the HDB-15 VGA port marked with a monitor, Connect a PS/2 mouse and a keyboard to the CONSOLE port marked with a mouse and a keyboard respectively as shown in figure.

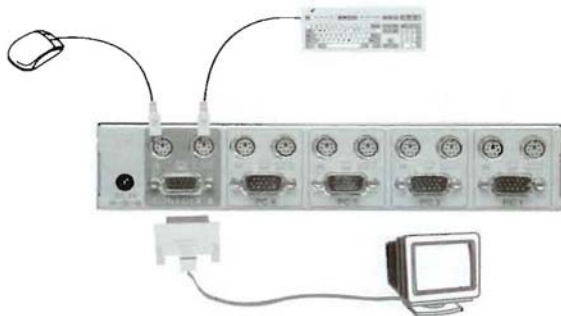
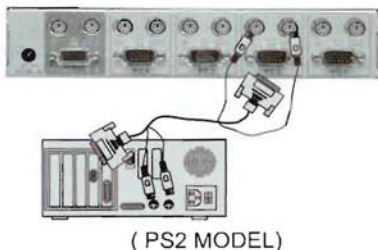


Figure : Master console connection



## PC Port

For computers using PS/2 mouse, connect the computer's mouse and keyboard cables to the KVM Switch's connectors marked with a mouse and keyboard respectively. Connect the computer's monitor cable to the HDB-15 VGA connector. As shown in figure.



HDB15 must use specify cable to connect KVM and computer, in PC side, user must connect mouse port first.

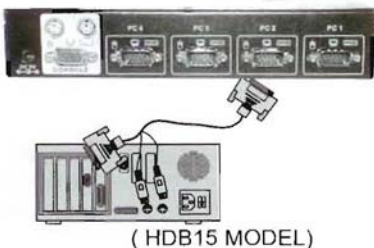


Figure: computer connection

For computers using serial mouse, connect the DB-9 to mini-DIN-6 adapter (supplied from the KVM manufacturer) to the computer mouse port, then use PS/2 cables to connect from the mouse adapter to KVM Switch.

# Operation

## Front Panel Push Buttons

You may select a computer by pressing the front panel push button directly, or using hot-key commands.

The front panel indicator changes to reflect the computer port selected (red) and whether the port is connected to a powered computer (green).

The indicator flashes (red) when it is in Auto Scan mode.

*Some computers support 'keyboard/mouse power up' function, i.e., press certain keys or mouse buttons to startup the computers. Their corresponding green front indicators lit all the time even if the computers are 'off'.*

### RESET

To solve most problems developed by keyboard, mouse, device replacement or change of configuration, pressing the front-panel Reset push buttons for reconfigure the whole system without turning either the KVM Switch or any computer off.

# Hot-key commands

## Channel Select

Hot-key: Pressing the <Scroll Lock> <Scroll Lock> then Key-in a channel number <N> and press <ENTER>

N : channel number 1, 2, 3, 4

A built-in buzzer generates a beep for correct operating.  
(2 port can directly press <enter> after Hot-key)

## Auto Scan

Hot-key: Pressing the <Scroll Lock> <Scroll Lock> then <S> and <ENTER>.

scan time interval setting(5~255 sec. )

Hot-key: Pressing the <Scroll Lock> <Scroll Lock> then <S> and <5~255> <ENTER>.

## Buzzer sound ON / OFF

Hot-key: Pressing the <Scroll Lock> <Scroll Lock> then <B>, buzzer sound will ON /OFF alternately.

## Hot-key Select

Hot-key: Pressing correct hot-key twice then<K> <ENTER>.

The hot-key will change to another one.

(<Scroll Lock> or<Caps Lock>)

## <Tab> Key Function: Enable/Disable <Ctrl> key function

The defaulted hotkey is <Ctrl>, and if you want it disabled, press <Ctrl> +<Ctrl> + <Tab>+<Enter>, and vice versa.

## <Alt> function: Quick shift to the next/preceding PC

<Alt> function default is off, and press <Scroll Lock>+ <Scroll Lock>+ <Alt> + <Enter>.

You can be on/off this function alternately. If buzzer was on, it will generate a beep for correct operating.

Note: This command is a loop. We choose 8 port KVM Switch for example, the selected port is No.5.

a.Press left < Alt > twice, it will be shifted to 4→3→2→1→8→7→...4....\*

b.Press right < Alt > twice, it will be shifted to 6→7→8→1→2→3→...6....\*

## All Function Key Disable ( Apply to 2 PORT KVM only)

In factory defaults, all function keys are enabled, if you want to disable all function keys at once, press button 1 and 2 simultaneously in the front panel for 2~3 seconds, and vice versa. If buzzer was on, it will generate a beep for correct operating.

## Troubleshooting:

Ensure that all cables are well seated. Check that keyboard/mouse cables are not swapped. Label and bundle the cables for each computer to avoid confusion when connected to the KVM Switch.

Symptom	Possible causes	Recommended solutions
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No Monitor Screen	<ul style="list-style-type: none"><li>• No power to KVM</li><li>• Loose connection</li><li>• Monitor not multi-sync</li></ul>	<ul style="list-style-type: none"><li>• Plug the power adaptor.</li><li>• Check PC PS/2 power</li><li>• Reconnect monitor cable</li><li>• Use multi-sync monitor</li></ul>
Keyboard error on boot	<ul style="list-style-type: none"><li>• Loose keyboard connection</li><li>• Keyboard failure</li></ul>	<ul style="list-style-type: none"><li>• Make sure keyboard cables are Well seated</li><li>• Change keyboard</li></ul>
Multi-function Mouse do not Work normally	<ul style="list-style-type: none"><li>• Mouse do not set in PS/2 standard</li></ul>	<ul style="list-style-type: none"><li>• Make sure the mouse is set in the PS/2 standard</li></ul>
Keyboard strokes shifted	<ul style="list-style-type: none"><li>• The computer was in shifted state when last switched</li></ul>	<ul style="list-style-type: none"><li>• Press both SHIFT keys down a couple of times</li></ul>

Master/Slave Does not work	<ul style="list-style-type: none"> <li>● Incorrect configuration Or improper installation procedures</li> </ul>	<ul style="list-style-type: none"> <li>● Make sure the slave's CONSOLE is connected to Master's PC port</li> <li>● Remove any possible power supply to the slave (unplug all cables) , before connecting it to the Master</li> </ul>
KVM Auto Scan does not switch PC	<ul style="list-style-type: none"> <li>● All PCs are off or only one PC is power on, Scan mode set for PC-ON only</li> </ul>	<ul style="list-style-type: none"> <li>● Press any key or move Mouse or Press Button to stop Auto Scan mode then</li> <li>● Press &lt;Scroll Lock&gt; twice and &lt;S&gt;, &lt;Enter&gt; to restart the Auto Scan</li> </ul>
The KVM Switch fails to function occasionally	<ul style="list-style-type: none"> <li>● Computers do not supply enough power</li> </ul>	<ul style="list-style-type: none"> <li>● Make sure a power adapter with minimum of DC 9V 4W output rating is firmly connected to the power jack.</li> </ul>

# Specifications:

Specifications	PS/2		HDB15	
	2 port	4 port	2 port	4port
Computer port number	2	4	2	4
Front panel button control	2	4	2	4
Hot plug-and-play	Yes		Yes	
Hot-key control	Yes		Yes	
Automatic scan interval	5 ~ 255 sec., 1 sec. step			
Cable length (Max)	20M (65ft) at CONSOLE 20M (65ft) at PC			
VGA Max.	1920 x 1440 (Max.300MHz), DDC			
Computer keyboard mouse monitor	PS/2  PS/2  HDB-15 male		HDB-15 female	
Console keyboard mouse monitor	PS/2  PS/2  HDB-15 female			
H x W x D (mm)size (in)	44x132x86 1.7x5.2x3.4	44x215x97 1.7x8.5x3.8	44x132x86 1.7x5.2x3.4	44x215x97 1.7x8.5x3.8
Power supply	Optional ( DC 9V 4W )			

4 port OSD scan interval is 5 sec. per step(5 ~ 90 sec. )

## Limited Warranty

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