

# Alpha-102B / Alpha-104B 2 / 4 port PS2 KVM Switch All mice w/ Audio

## USER'S MANUAL

### Introduction

Thank you for purchasing Terraview KVM Alpha-102B / Alpha-104B. Terraview KVM switch with Audio can save your MONEY, TIME, SPACE, EQUIPMENT and POWER.

Controlling multiple PCs from One Keyboard, Mouse, VGA Monitor and Audio (Microphone & Speaker). It has complete keyboard and mouse emulation for simultaneous PCs boot-up process. Intelligent PS2 KVM switch can handle congestion control during booting all of PCs and is loaded with features such as hot-key, push button, auto scan control and 400MHz VGA band width for high resolution 2048 X 1536.

Windows O.S. only supports 2D/3D mouse software driver. Some mouse makers design extra user define keys (For instance : Microsoft Intellimouse explorer, Intellimouse Optical ) for popping up a frequent used application software such as WORD, EXCEL,...etc.. There are many user define key mice exist in the market like 4 key plus one wheel, 4 key plus two wheels , 5 key plus one wheel, ....etc. The extra user define key mouse need be installed with their own software or proprietary driver. Most of KVM switches in the market just can process legend mouse or standard 2D/3D mouse or very few specific mice. For future new generation mouse, they are hardly to compatible to them and cause user inconvenience. Intelligent PS2 KVM switch supplies you high compatibility with your user's define key mouse

Intelligent PS2 KVM switch with Audio can be very smart to detect not only 2D/3D mice, but also some proprietary type 4D/5D mice ( like Mouse accompanied with user define keys ) and even the future new generation mouse which supported more user's define keys for special application

For non-standard PS2 3D/4D/5D mouse (say, proprietary mouse) or not fully Microsoft mouse compatible is unable to work with this KVM switch, please contact your distributor or try the flash ROM type KVM switch if its updated firmware can solve the incompatible problem.

### Features

- Alpha-102B / Alpha-104B is compact size design, easy portable
- Support Microsoft Intellimouse, Microsoft Optical Mouse, Microsoft Intellimouse explorer, Logitech Net Mouse
- Support some proprietary type 4D/5D mice and even the future new generation mouse which is compatible to Microsoft mouse and supported more user's define keys for special application
- Built-in microphone and speaker jacks for multimedia application
- Work with DOS, Win3.X, Win95/98/98SE/2000/ME, WinNT, Netware, Unix, Linux
- Support iMAC, Power MAC and Sun Microsystems with USB port (Need work with USB-PS2 adapter)
- 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 Push Buttons, Hot Keys
- Auto Scan Mode for monitoring PCs
- Keyboard status restored when switching PCs
- LED Display for easy status monitoring
- Buzzer sound for switching port confirmation.

\*\* Note: If you would like to power on PC first and then hot plug PC into this KVM switch, you need connect PC mouse cable to Mouse port of KVM switch first and then plug PC port keyboard cable to keyboard port of KVM switch. Once this hot plug PC is unable to find the mouse, please run hot key command " SCROLL LOCK " " SCROLL LOCK " " M " to retrieve mouse..

### Package Contents :

#### Model No.: CP-102AU

2 port PS2 KVM Switch All Mice Audio 1 PC  
User's manual 1 PC

#### Model No.: CP-104AU

4 port PS2 KVM Switch All Mice Audio 1 PC  
User's manual 1 PC

## Technical Specification:

| Functions                                   | Alpha-102B   | Alpha-104B               |
|---|--|--------------------------|
| PC Port                                     | 2  | 4                        |
| Console Port                                | 1  | 1                        |
| Console Audio Port                          | 2(Shared with PS2 port )   | 4(Shared with PS2 port ) |
| PC Audio port                               | 2  | 4                        |
| MAX PC Connections                          | 2  | 4                        |
| LED   | 2  | 4                        |
| PC Port Connector<br>(All Female Type)      | PS/2 Keyboard mini-Din 6 pin<br>PS/2 Mouse Mini-Din 6 pin<br>VGA HDB 15pin |                          |
| Console port connector<br>(All Female Type) | PS/2 Keyboard mini Din 6 pin<br>PS/2 Mouse Mini Din 6 pin<br>VGA HDB 15pin |                          |
| PC selection                                | Hot Key / Button   |                          |
| Scan Intervals                              | 8sec.  |                          |
| Keyboard Emulation                          | PS2  |                          |
| Mouse Emulation                             | PS2  |                          |
| VGA Resolution                              | 2048X1536  |                          |
| Bandwidth                                   | 400MHz   |                          |
| Daisy Chain and Levels                      | NO   |                          |
| Housing                                     | Plastic  | Plastic                  |
| Size  | Mini Desktop   | Desktop                  |
| Weight (g)                                  | 153  | 261                      |
| Dimension (mm)                              | 111(L) X 80(W) X29(H)  | 180(L) X 80(W) X 29(H)   |

## System Requirements Specifications:

| Functions     | Alpha-102B  |
|---------------|---|
| Console side  | One VGA Monitor<br>One PS/2 Keyboard<br>One PS/2 Mouse<br>One 3.5mm Speaker Jack<br>One 3.5mm Microphone Jack   |
| Computer Side | Two HDB 15 pin male to male VGA cables<br>Two PS/2 cable male to male for Keyboard<br>Two PS/2 cable male to male for Mouse<br><b>Note: All of PS2 connectors are shared two interface--- PS2 and Audio</b> |

| Functions     | Alpha-104B   |
|---------------|--|
| Console side  | One VGA Monitor<br>One PS/2 Keyboard<br>One PS/2 Mouse<br>One Speaker Jack<br>One Microphone Jack  |
| Computer Side | Four HDB 15 pin male to male VGA cables<br>Four PS/2 cable male to male for Keyboard<br>Four PS/2 cable male to male for Mouse<br><b>Note: All of PS2 connectors are shared two interface--- PS2 and Audio</b> |

## Product Details

Alpha-102B

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### Hardware Installation

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

1. Connect the Keyboard, VGA, Mouse cables to the computer ports of KVM switch
2. Connect the Keyboard, VGA monitor, and Mouse to console port of KVM switch
3. After Powering on computers and finishing the boot-up process, you can start to go KVM switch.

#### Note:

Please don't switch the PC port (i.e. Don't press the push button of KVM switch or run hot key) during the computers are under boot-up process.

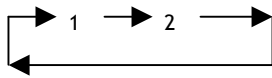
### Usage:

#### The push Button:

##### The push Button:

Pressing the button cyclically through all the ports.

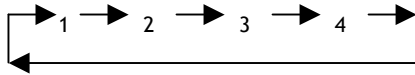
#### Alpha-102B



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.

#### Alpha-104B



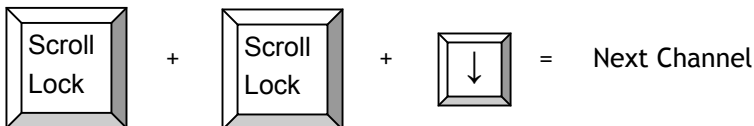
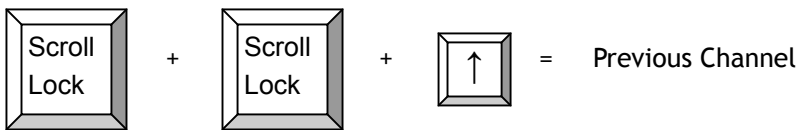
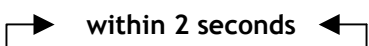
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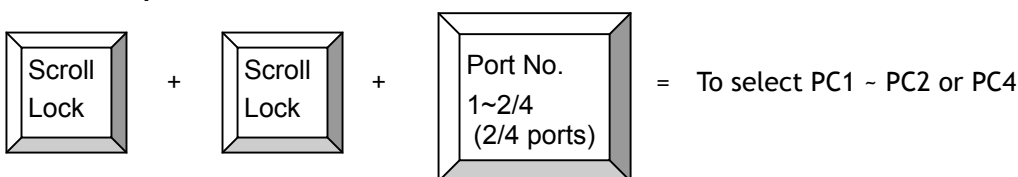
### Keyboard Hot Key Commands:

You can also conveniently command KVM Switch to switch 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.

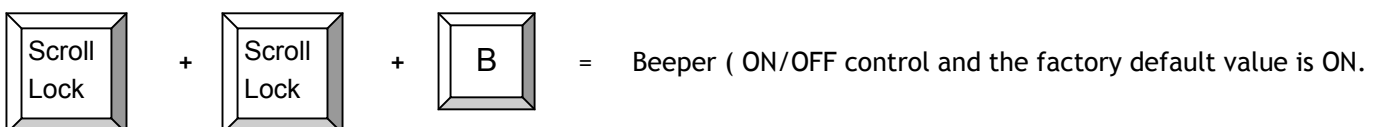
#### Below are the different Hot Key commands:



#### Select PC port:



#### Beeper Function:



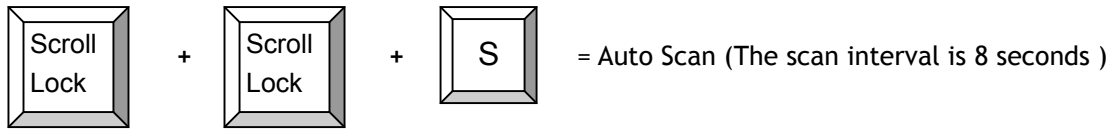
You

can run this command to close the beeper during Scan Mode

or

when pressing push button. )

### Auto Scan Mode:



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

### Troubleshooting:

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

### Power Free and Power Adapter :

KVM switch draws the power from keyboard port of computers. It is a power free design. But, If the computer like laptop computer, notebook computer or the other computer cannot support enough power to KVM switch, please add a 9V, 200mA~1A popular power adapter which bought in the market easily to the power jack. The power jack polarity is center positive.

### Booting up PC:

Don't press any keys on the keyboard while the selected computer is booting up. Otherwise, it might cause the keyboard error or keyboard is not detected at PC side.

### Keyboard :

The computer boot up fine, but keyboard doesn't work

- Make sure the keyboard works when directly plugged into the computer.
- Try a different keyboard, but use only 101, 102 or 104-key keyboard.

### Mouse:

1. The Mouse is not detected during PC boot up.
  - Make sure the mouse works when directly plugged into the computer.
  - Make sure the mouse is a true PS/2 mouse. A combo mouse will work just as long as it is set for PS/2 mode with the correct adapter. Try a different mouse.
2. If the mouse is not Microsoft 2D/3D mouse compatible or does not follow PS2 interface standard design and intelligent PS2 KVM switch fails in mouse emulation during booting up PC , you can try Hot Key command " Scroll Lock " " Scroll Lock " "M" to retrieve the real mouse type back.
3. You use 4D/5D or new generation mouse for Intelligent PS2 KVM switch, but the mouse only can work like 2D mouse after booting up PC.. Please use Hot Key command " Scroll Lock " " Scroll Lock " "M" to retrieve the correct mouse type back.
4. For non-standard PS2 mouse or not fully Microsoft mouse compatible is unable to work with this KVM switch, please contact your distributor or try the flash ROM type KVM switch if its updated firmware can be upgraded for solving the incompatible problem.
5. Avoiding moving the mouse or pressing the mouse buttons when switching the port.

### Notebook computer:

- If notebook computer has been boot up already and then the user connect it to KVM switch, please use Hot Key command " Scroll Lock " " Scroll Lock " "P" to link both of them together

(For helping you to remember hot key, the " P " means to hot "Plug" KVM switch to Notebook computer again.

(後面再加 CE 及 FCC 的條款及標示)