

KS-104OSD / KS-108 / KS-116

USER'S MANUAL

TABLE OF CONTENTS

INTRODUCTION.....	1
FEATURES.....	1
PACKAGE CONTENTS.....	1
TECHNICAL SPECIFICATIONS.....	2
SYSTEM REQUIREMENT.....	3
CABLE DIAGRAMS.....	4
PRODUCT DETAILS.....	4
HARDWARE INSTALLATION.....	5
USAGE.....	5
ON SCREEN DISPLAY OPERATION.....	8
TROUBLESHOOTING.....	10
CERTIFICATES.....	11

Introduction

Thank you for purchasing TOP-VIEW KVM switch. TOP-VIEW KVM switch can save your MONEY, TIME, SPACE, EQUIPMENT and POWER.

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

Features

- 4/8/16 port KVM switch is 19" rack mount size design.
- Support Microsoft Intellimouse, Microsoft Intellimouse Explorer, Logitech Net Mouse or the other fully compatible MS mouse.
- Provide Console PS/2 to PC serial mouse conversion
- Support DOS, Win3.X, Win95/98/98SE/2000/ME, WinNT, Netware, Unix, Linux
- 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 Manual, Push Buttons, Hot Keys
- Support eight characters password protection and search PC server name
- Auto Scan Mode for monitoring PCs and flexible Scan time from 5~99 seconds
- Keyboard status restored when switching PCs
- LED Display for easy status monitoring
- Buzzer sound for switching port confirmation.
- Using Standard Keyboard, VGA, Mouse cable.
- 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.: KS 104

4 port 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

Model No.: KS 108

8 port 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

Model No.: KS 116

16 port 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

Technical Specifications

Model No.	KS 104OSD	KS 108	KS 116
PC Port	4	8	16
Console Port	1	1	1
PC Port Connector (All Female Type)	PS/2 Keyboard mini Din 6 pin PS/2 Mouse Mini Din 6 pin VGA HDDB 15pin		
Console Port Connector (All Female Type)	PS/2 Keyboard mini Din 6 pin PS/2 Mouse Mini Din 6 pin VGA HDDB 15pin		
Daisy Chain Port Connector (All Female Type)	PS/2 Keyboard mini Din 6 pin PS/2 Mouse Mini Din 6 pin VGA HDDB 15pin		
PC selection	On Screen Display Manual, Hot Key, Push Button		
7 segment LED	One Bank LED, Two PC Port LEDs		
On Screen Display Control	Yes		
Scan Intervals	5~99 Sec.		
Keyboard Emulation	PS2		
Mouse Emulation	PS2		

Mouse Conversion (Only Console port to PC port)	Console PS/2 to each PC port serial mouse		
VGA Resolution	1920X1440		
Bandwidth	200MHz		
Daisy Chain MAX Level	8 levels		
MAX PC Connection	116	120	128
Housing	Metal		
Power Adapter	DC 12V 1A or DC 9V 1A		
Operation Temperature	0~40°C		
Storage Temperature	-20 ~ 60°C		
Humidity	0~80%, Non-Condensing		
Size	19" Rack Mount / 1RU	19" Rack Mount / 1RU	19" Rack Mount/ 2RU
Weight (kg)	1.5kg	2.2kg	3.5kg
Dimension (cm)	41(L) X 16.5(W) X 4.7(H)	41(L) X 16.5(W) X 4.7(H)	41(L) X 22.5(W) X 8.4(H)

System Requirements

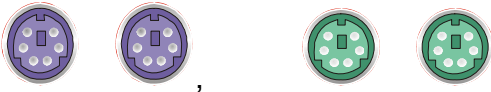
Specifications:

Model No.	KS 104OSD	KS 108	KS 116
Console side	One VGA Monitor One PS/2 Keyboard One PS/2 Mouse	One VGA Monitor One PS/2 Keyboard One PS/2 Mouse	One VGA Monitor One PS/2 Keyboard One PS/2 Mouse
Computer side	4 HDB 15 pin male to male VGA cables 4 PS/2 cable male to male for Keyboard 4 PS/2 cables male to male for Mouse	8 HDB 15 pin male to male VGA cables 8 PS/2 cable male to male for Keyboard 8 PS/2 cables male to male for Mouse	16 HDB 15 pin male to male VGA cables 16 PS/2 cables male to male for Keyboard 16 PS/2 cables male to male for Mouse

Cable Diagrams

PS/2 Cable:

Mini Din 6 pin Male to Male



VGA Cable:

HDB15 pin Male to Male



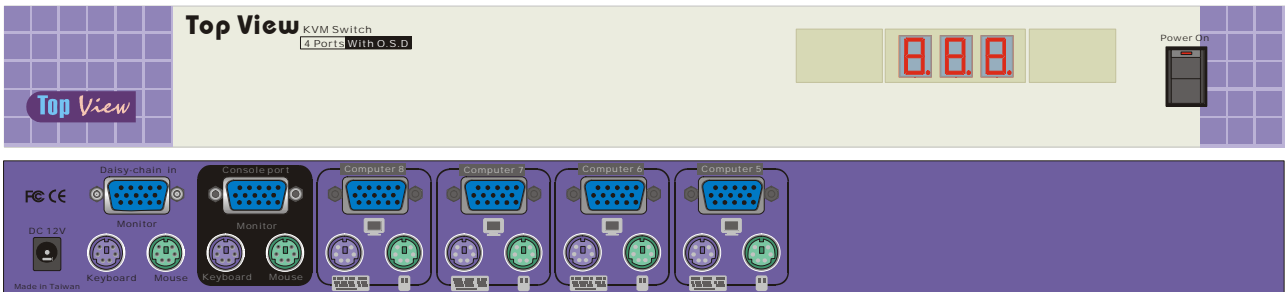
AT to PS/2 keyboard adapter:

Din 5 pin Female to Mini Din 6 pin Male

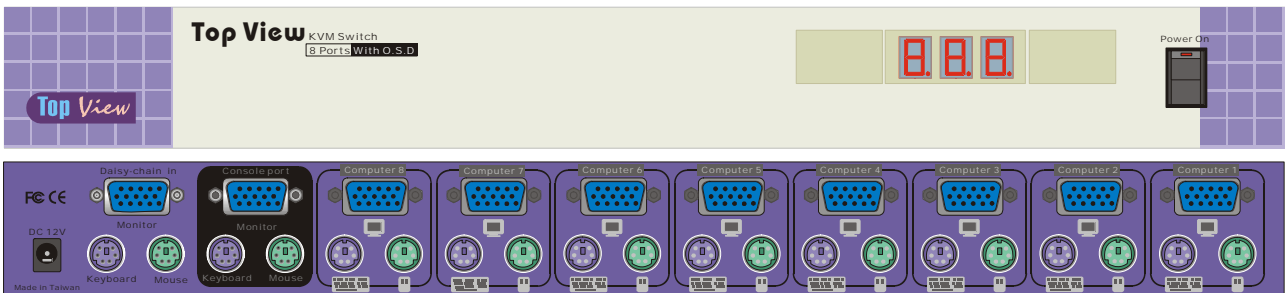


Product Details

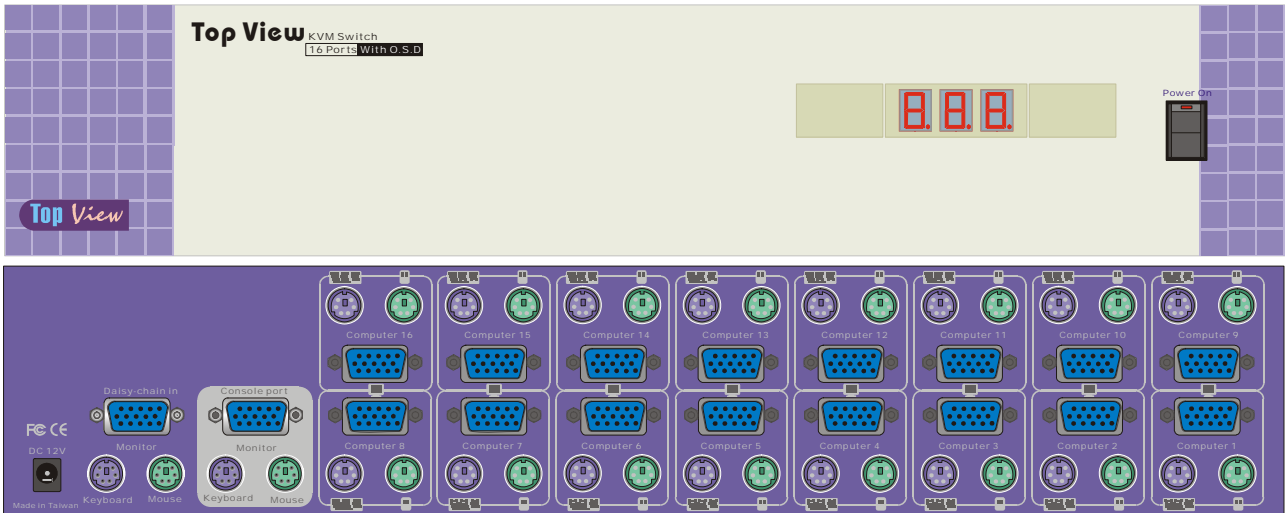
Front Panel & Rear Panel of KS 104OSD:



Front Panel & Rear Panel of KS 108:



Front Panel & Rear Panel of KS 116:



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 the 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 power on state of 4/8/16 port KVM switch:

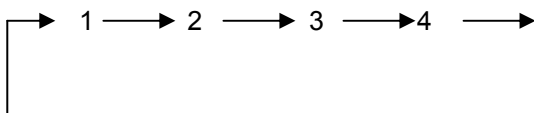
When you power on KVM switch, it will ask you the password, **the default password value is eight zero –“ 00000000 ”**. Please key in eight zero and enter the same value at retype field.

Note: Before you are not familiar with the operation of OSD manual, 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.

The Push Buttons:

Pressing the button cyclically through all the ports.

KS 104OSD (4 Port)

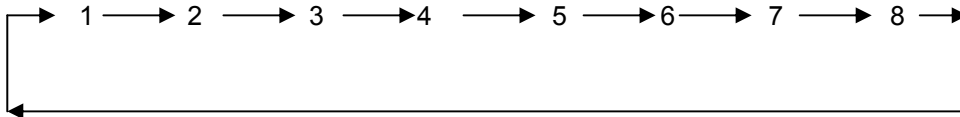


LED Indication:

You can press the button in order like mentioned-above diagram.

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 port LED will flash. When you select one of four PCs ports and this PC is powered on, the selected port LED is lit.

KS 108 (8 Port)

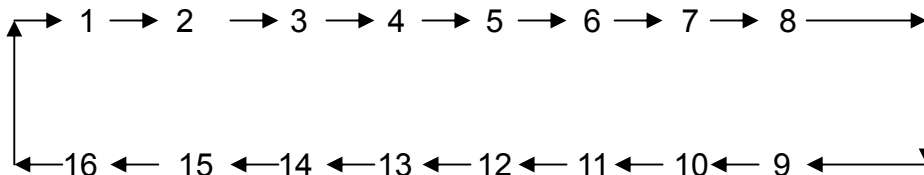


LED Indication:

You can press the button in order like mentioned-above diagram.

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 port LED will flash. When you select one of eight PCs ports and this PC is powered on, the selected port LED is lit.

KS 116(16 Port)



LED Indication:

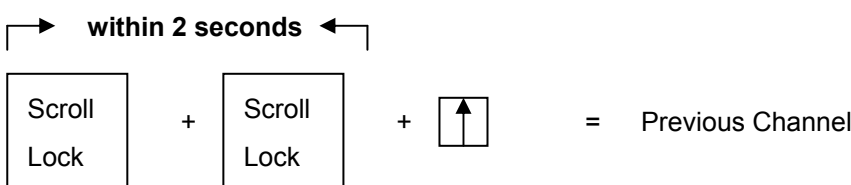
You can press the button in order like mentioned-above diagram.


When you select one of sixteen PCs ports and this PC is powered on, the selected port LED is lit. When you select one of sixteen PC ports and this PC is shut down or disconnected a PC, the selected port LED will flash.

Keyboard Hot Key Commands:

You can also conveniently command Top-View KVM switch by switching ports through simple key sequences. To send commands to Top-View 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 +  = Next Channel
 (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

Scroll Lock + Scroll Lock + Page Down = Next Bank

To select PC port:

Scroll Lock	+	Scroll Lock	+	Bank No. 1~8		Port No. 0 or 1		Port No. 1~4(4 port) 1~8(8port) 1~6(16port)
-------------	---	-------------	---	-----------------	--	--------------------	--	--

Scroll Lock + Scroll Lock + B = Beeper
 (Note: The default Beeper function is ON)

Scroll Lock + Scroll Lock + S = Auto Scan

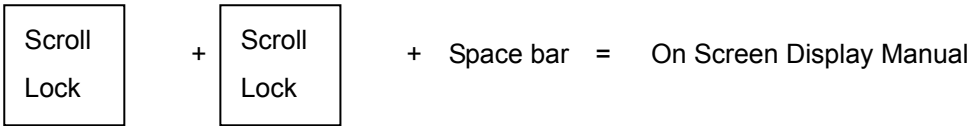
To get out of Auto Scan Mode, Press any key or SPACE bar.

Scroll Lock + Scroll Lock + R = OSD default value
 (Note: Not including password)

ROM REFLASH

Scroll Lock + Scroll Lock + F = Search the same PC name
 (Note: Search PC name starting from 1st PC port)

FIND:



On Screen Display Operation

When you pop up the OSD manual window go through the hot key, you will see the following small window on your monitor.

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	10	SYSTEM	10	
11	☀SYSTEM	11	12	☀SYSTEM	12	
13	SYSTEM	13	14	☀SYSTEM	14	
15	☀SYSTEM	15	16	SYSTEM	16	

OSD : 10 SEC. CHANGE PASSWORD

SCAN: 10 SEC. CONSOLE ON/OFF

ESC : QUIT ENTER : COMPLETE

TAB : NEXT INSERT : EDIT

↑/↓: SELECT PORT

PgDn/PgUp: BANK SELECT

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 8 (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 8 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.

To use up arrow key "↑" or down arrow key "↓" to select port for destination PC name. After you have selected the PC port already, you can press the ENTER Key to switch the PC port you want immediately

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

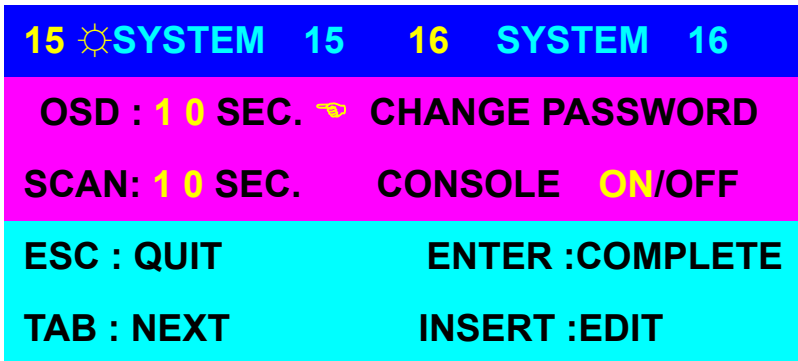
BANK : 1

01	SYSTEM	01	02	☀SYS	EM	02	☞
----	--------	----	----	------	----	----	---

To press "INS" key for editing PC name.

After finishing the edit, please press “ Enter “ key for saving information.

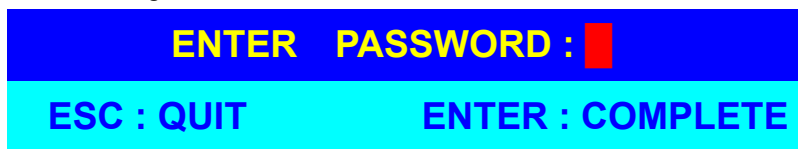
To use “ Tab “ key to select items like Bank, OSD, SCAN, CHANGE PASSWORD, CONSOLE ON/OFF, etc...



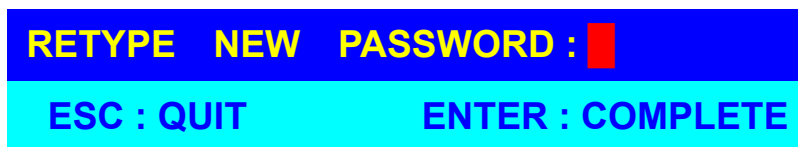
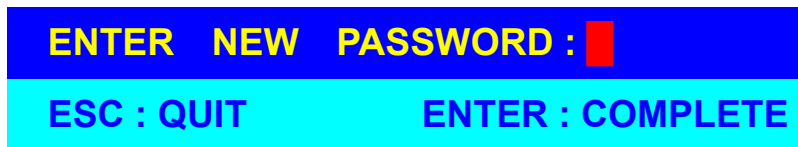
a. The “ OSD: 10 SEC” means that the OSD windows display or PC system name exists 10 sec. on your monitor. You can modify it from 05 sec to 99 sec. The factory default value is 10 sec..

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.

c. 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 “.



There is an enter password window showed out when you select this item and then press the Enter. The maximum password is eight digits. After you key in the password already and press the Enter key, there is another window for confirming your typed password.



You need to retype the password again for rechecking your previous key-in password is matched or not.



d. The “ CONSOLE ON/OFF “ means to manage the console of KVM switch. If you select “ CONSOLE ON “, it means that any user can use the console. If you select “ CONSOLE OFF “(factory default OFF 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 ON. After you finish using KVM switch, please don't forget to set up CONSOLE ON state to OFF

state. Besides, if current CONSOLE is ON state and you reset KVM switch, the CONSOLE will be set up ON state back to OFF state.

- e. 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.



- f. If you want OSD returning back to factory default value, you can execute "SCROLL LOCK", "SCROLL LOCK", "R" keys in order. The Seven segment LEDs on the front panel will be flashed during the refresh process.



When the OSD value back to default setting, the seven segment LEDs on the front panel will stop flashing

Troubleshooting

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

1. The Power Jack polarity is center positive and the power adapter need be DC12V, 1A or DC9V, 1A.
2. 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.
3. 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.
4. 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.
 - Avoiding moving the mouse or pressing the mouse buttons when switching ports.
 - Avoiding switching ports during shutting down the PC process.
 - When you switch one PC port to another PC port, the best scan time setting need to be set to 5 sec. or more. Normally, the VGA monitor change one resolution mode to another will take one or two seconds. So, the scan time is not recommended to below 5 seconds.

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, and
- (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

