Manuals+ — User Manuals Simplified.

KVM SWITCHS KVM-1508XX 8 Port KVM Switch-Combo User Manual

KVM Switch-Combo
8 Port / 16 Port
User Manual

Contents

Overview

Descriptions

A KVM switch is a control device that controls multiple computers from a single console (keyboard, video, and mouse), as many as 512 computers can be controlled from the original console. There is no better way to save space, time, and money than with a KVM switch installation. By using the KVM switch to manage your installation, you will gain the below benefits: (1) eliminate the expense of purchasing separate keyboards, monitors, and mice; (2) save all the space those extra components would take up; (3) save space that a keyboard, monitor and mouse would take with a standard KVM switch; (4) save on energy costs; and (5) eliminate the inconvenience and wasted effort involved in constantly having to move from one computer to another.

It is easy and fast to install the KVM switch, you just need to connect corresponding cables to the right ports of the KVM. Since the KVM directly gets the signal input from the keyboard and mouse, there is no software setup or other complex installation, so no worry about compatibility. Easily access any computer just via pushbuttons on the front panel or invoke the OSD menu. Convenient auto-scan allows you to auto-scan and monitor the selected computer.
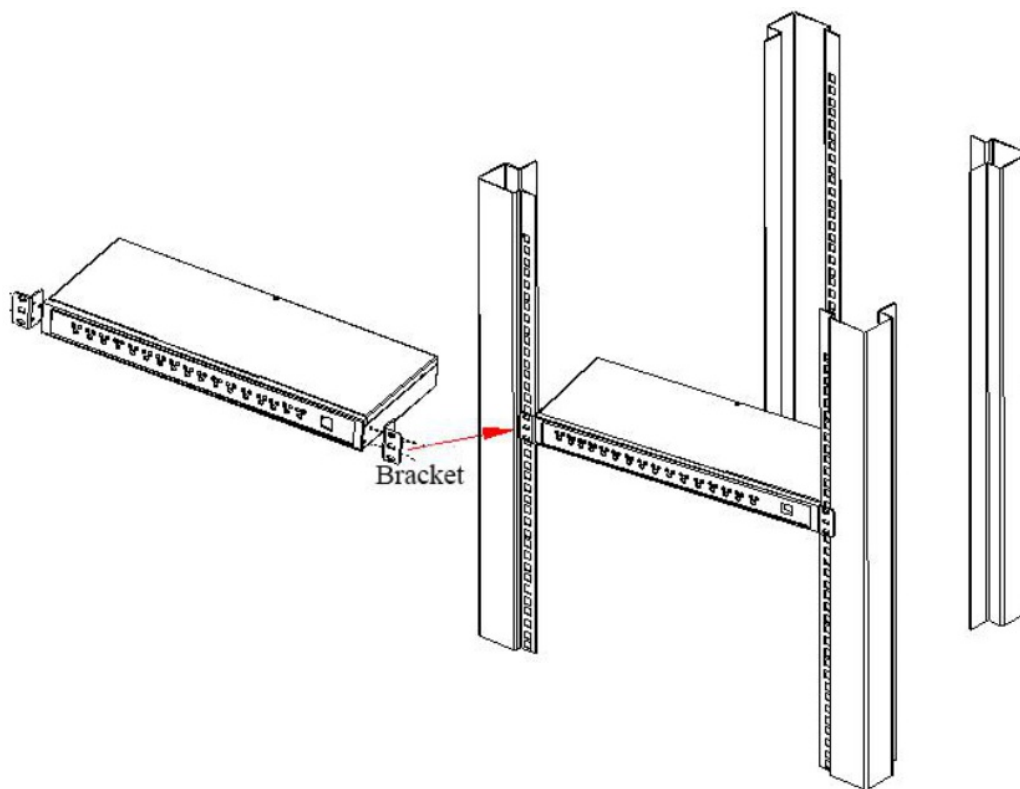
Features

- Access and control up to 8 /16 computes from a single USB console
- By daisy-chaining up to 31 additional Combo-KVM, as many as 512 computers can be controlled from the original KVM console which supports 8 or 16 ports KVM seamless mixed cascade connection
- Support wireless keyboard and mouse from different suppliers
- Two-level password security–only authorized users view and control computers; up to four users and an administrator with a separate profile for each
- Users can set up different hotkeys(Scroll Lock / Caps Lock / F12 / Ctrl), auto scanning time, port display time, user log out time, buzzer on/off, and the touchpad on/off according to their different needs
- Broadcast mode–operations simultaneously performed on all selected computers
- Multiplatform support–Windows, Linux, Mac, and Sun
- Supports multimedia USB keyboard (PC, Mac, and Sun)
- Superior video quality–up to 2048×1536; DDC2B
- USB keyboard emulation–computer boot even the console focus is elsewhere
- Convenient computer switching via front panel pushbuttons, hotkeys, OSD menu, or mouse
- Automatically show the computer position on the front panel LED screen under daisy-chaining connection without DIP set by hand.
- Auto-scan feature for monitoring user-selected computers
- Hot-pluggable –add or remove computers without having to power down the switch
- Quickly select your computer by naming the server or inputting the SN number of the server
- Standard 19" rack integrated into 1U height.
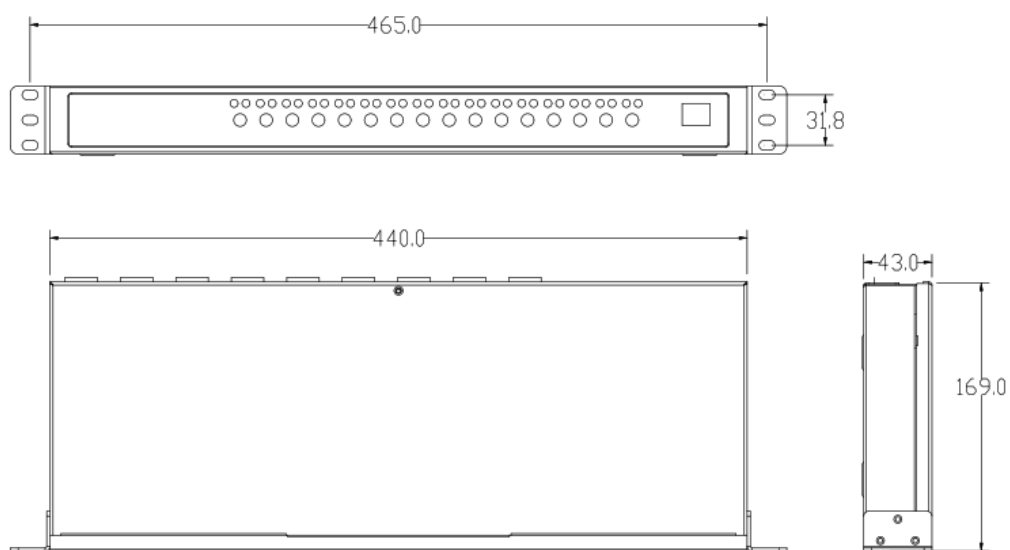
Hardware Installation

Rack Mounting

Make sure all the computers and external devices are shut down before installation.

Put the KVM switch in place, and screw the brackets to the two sides of the KVM to install the KVM in the standard 19" rack. Pay attention to the cable length, to keep a certain distance between the KVM and the computer.
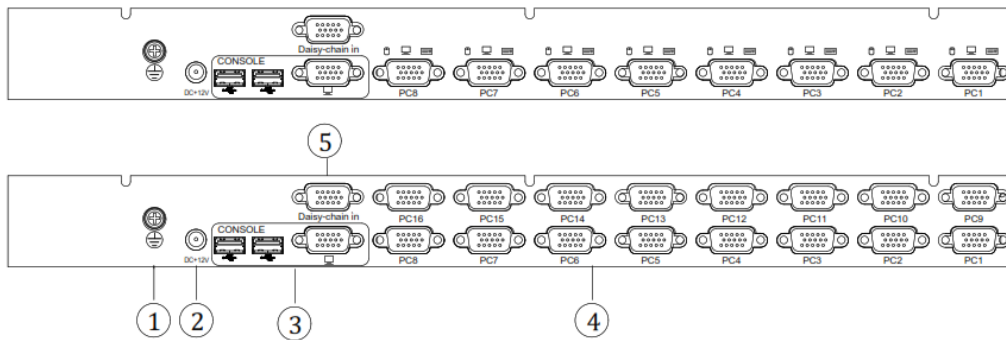
1-1.1

Appearance

1-1.2

KVM Rear View
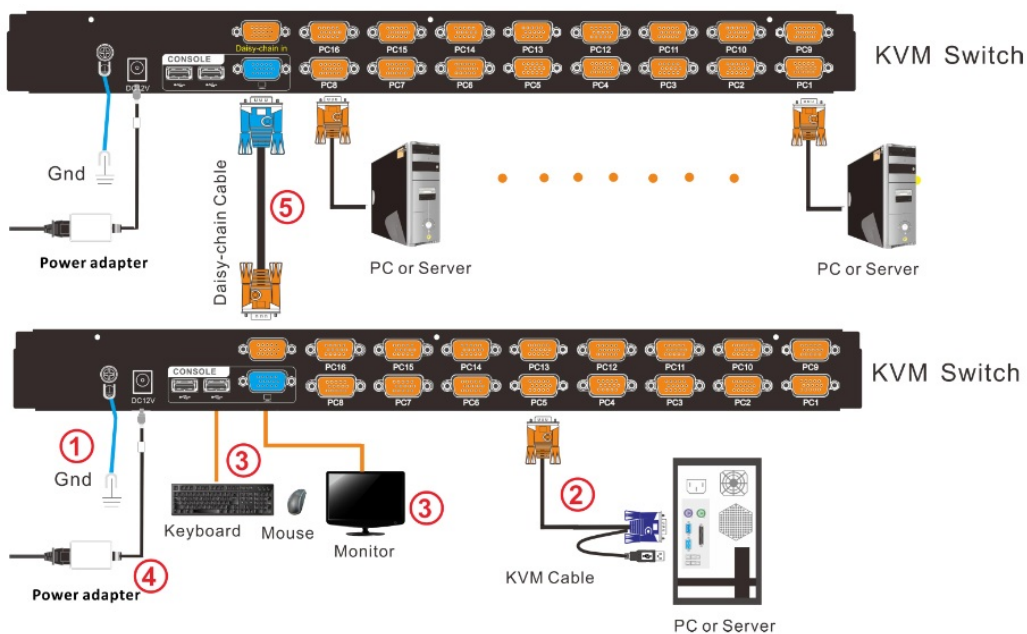**Support USB console**

1-1.3

Table 1.1

No.	Explanation
1	Ground connecting screws
2	Power adapter socket
3	Local console
4	KVM controlled port
5	Cascade port

Installation Instruction

1. Make sure the KVM switch has been connected to the ground.
2. Connect the local control keyboard, mouse, and monitor to the KVM switch.
3. Connect one port of the KVM signal cable to the computer (make sure the keyboard, mouse, and VGA cables are correctly connected), and connect the other port to the KVM port.
4. Plug the 12V power adapter into the power port.

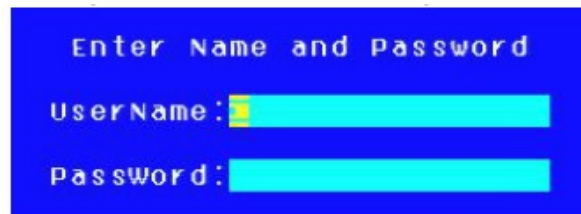
2-1.1 Install KVM components

5. Cascade installation(optional)
   1. Plug the yellow port of daisy-chaining cable in the yellow "Daisy-Chain in" DB 15 the port on the KVM.
   2. Plug the other blue port in the blue "Console" DB 15 port on the KVM.

3. Repeat the above steps according to the above diagram, it can maximum cascade up to 32 KVM switches.

To ensure signal integrity and simplify cable layout, we strongly recommend you use high-quality cables with different lengths as shown in the above table.
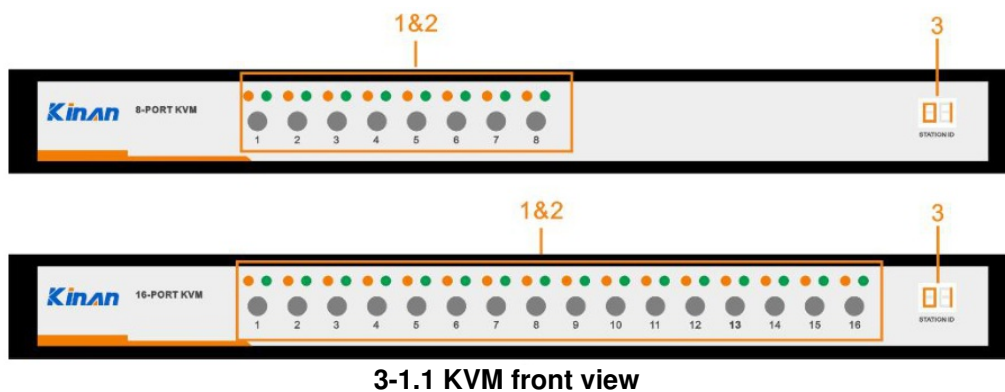
Opening the Console

The KVM makes two "beep" sounds and the LED flashes two times after power on. Then below window appears for you to input your user name and password.

The default password is "blank", double click to Enter the OSD main menu to operate the KVM.
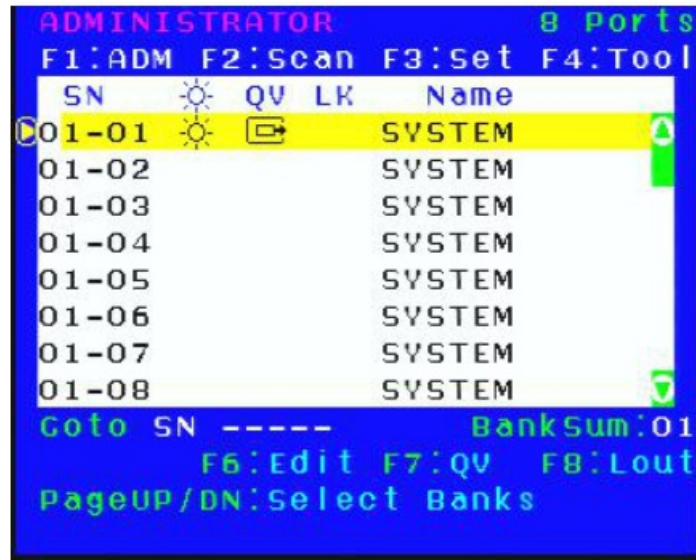
LED Instructions

3-1.1 KVM front view

Table 2.1

No.	Components	Function
1	1-8 or 1-16	1) Switching freely from port 1 to port4/ 8 /16 2) Press [1] and [2] at the same time resetting the KVM. 3) Press [7] and [8] at the same time switch to the next stage level.
2	Port Selection Buttons& LEDs	1) An online LED light(orange) indicates that the KVM has connected to its corresponding computer and power on. 2) A selected LED light(green) indicates that the computer attached to its corresponding port is up and running.
3	Station ID	Station ID shows the current stage level of the daisy chain.

OSD Operation

Double click the right button of the mouse or double click hotkey Scroll Lock to invoke below OSD main menu.

You can customize the OSD hotkeys; find more details in OSD function instructions.
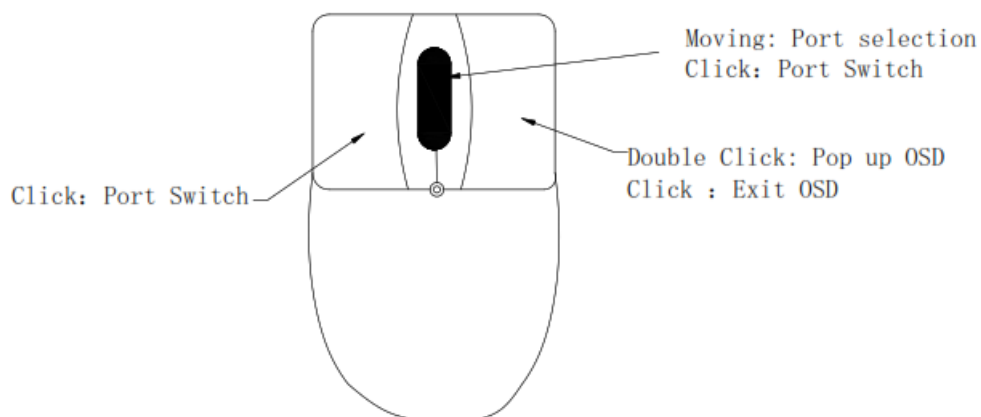

Heading	Explanation
SN.	Port numbers
⊞	On line
☼	System on
⊡	Quick view
🔊	BRC Port
◼	Channel is only be seen
Name	Port name

To access the OSD menu through the keyboard:

1. In the submenus that appear, move the highlight bar to your selected port and then press Enter.
2. Press Page Up or Page Down quickly move to the next BANK
3. Press any key from 0-9 to enter any port of the current station, and type BANK+PORT to enter other stations.

To access the OSD menu through mouse:

1. Use the scroll wheel to switch from one port to another.
2. Click the right or middle button to confirm your selected port and close the OSD main menu at the same time.
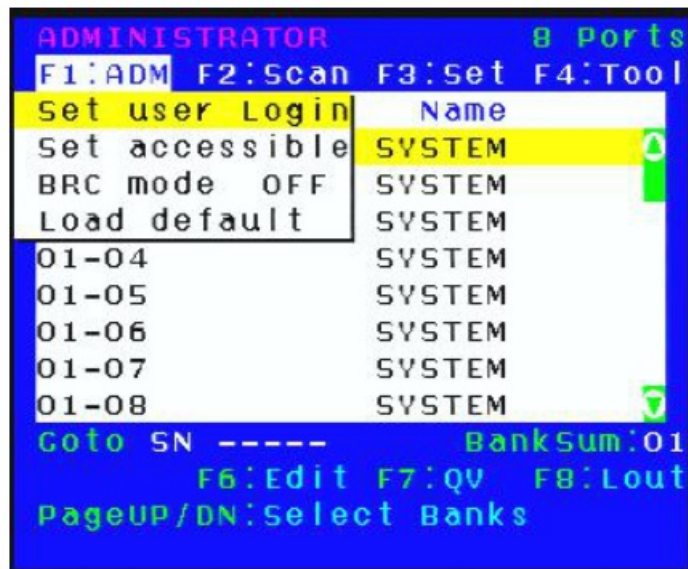3. Click the right button to exit the OSD main menu.

*Note: Operate via keyboard after invoking the OSD menu via the touchpad.

OSD Functions

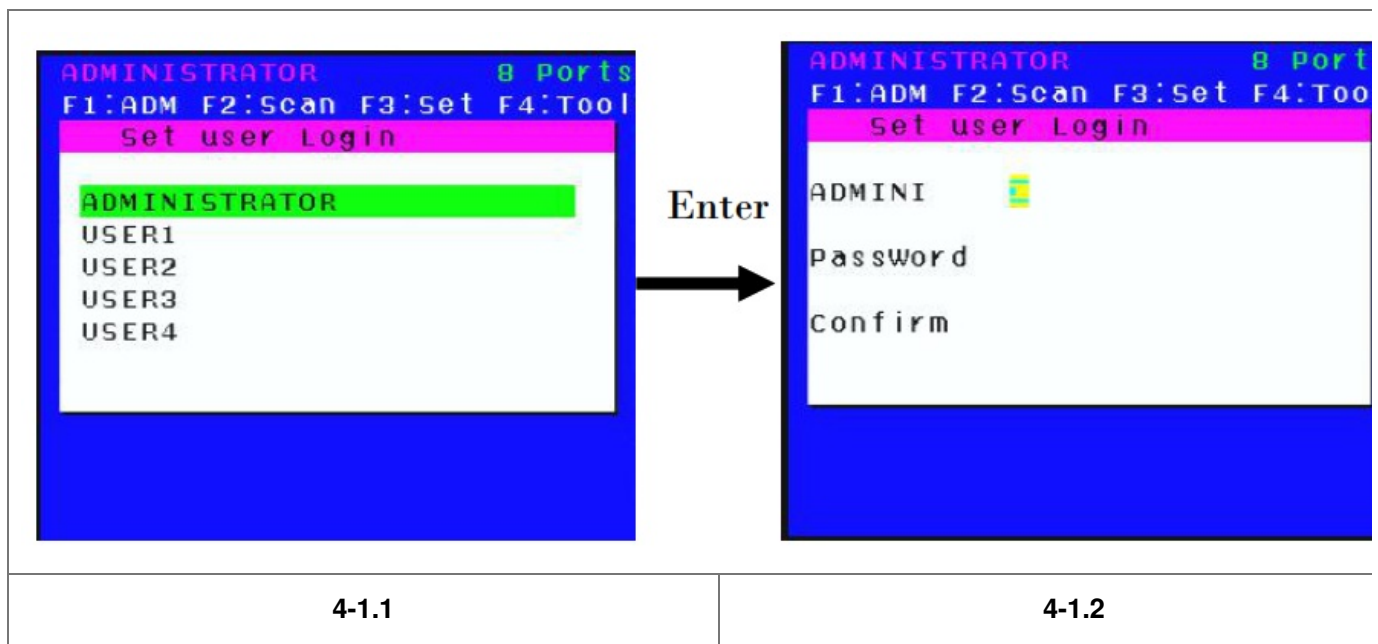| Menu	Keys	Submenu/explanation
ADM	FI	Set User Login-Set User login account and password Set accessible-Set access permissions BRC Mode -monitor multiple computers at the same time Load Default-reset the menu to the original factory default settings
Scan	F2	All-Lists all the ports on the installation Power On-lists only powered on ports that have attached computers. Quick View-Lists only the ports that have been selected as Quick Viewports
Set	F3	Auto Scan-set scanning time period Port ID-set how long a port displays on the monitor OSD Hotkey-set OSD hotkeys Lout Time off- to set the time out value
Tool	F4	Reset KM- press Enter resets keyboard and touchpad Beeper ON me -press Enter switch Bee sounds Mouse Hot ON -press Enter to shut down the touchpad operating on OSD. Restore Values-press Enter to restore the current user default value About KVM- press Enter to show the KVM version
Edit	F6	Edits port names
QV	F7	Start or close Quick View
Lout	F8	Log out/lock the KVM
Exit	Esc	Press this key exits the OSD menu
	Scroll Lock	Press this key exits the OSD menu
	Num Lock	Press this key exits the OSD menu

F1-ADM

- **Menu Overview**

Operating instructions

1 Press F1 or ← → to enter the F1 submenus.

2 Press ↑ ↓ moves the highlight bar to select the submenu.

3 Press Enter selects and exits the ADM menu.

4 Press Esc cancels the operation and exits the ADM menu.

- **Menu Explanation**

1. Set User Login—Press Enter and select Set User Login and a screen as below diagram 4-1.1 appears: One administrator and four users' accounts can be set (the account and the password are no more than 16 characters)

4-1.1	4-1.2

Note: You can set up an account and password according to diagram 4-1.2, then a " User setup ok" pops up showing that you have done your set, and if "Password Not Match" pops up, you need to type in your password again as you did in your first type.
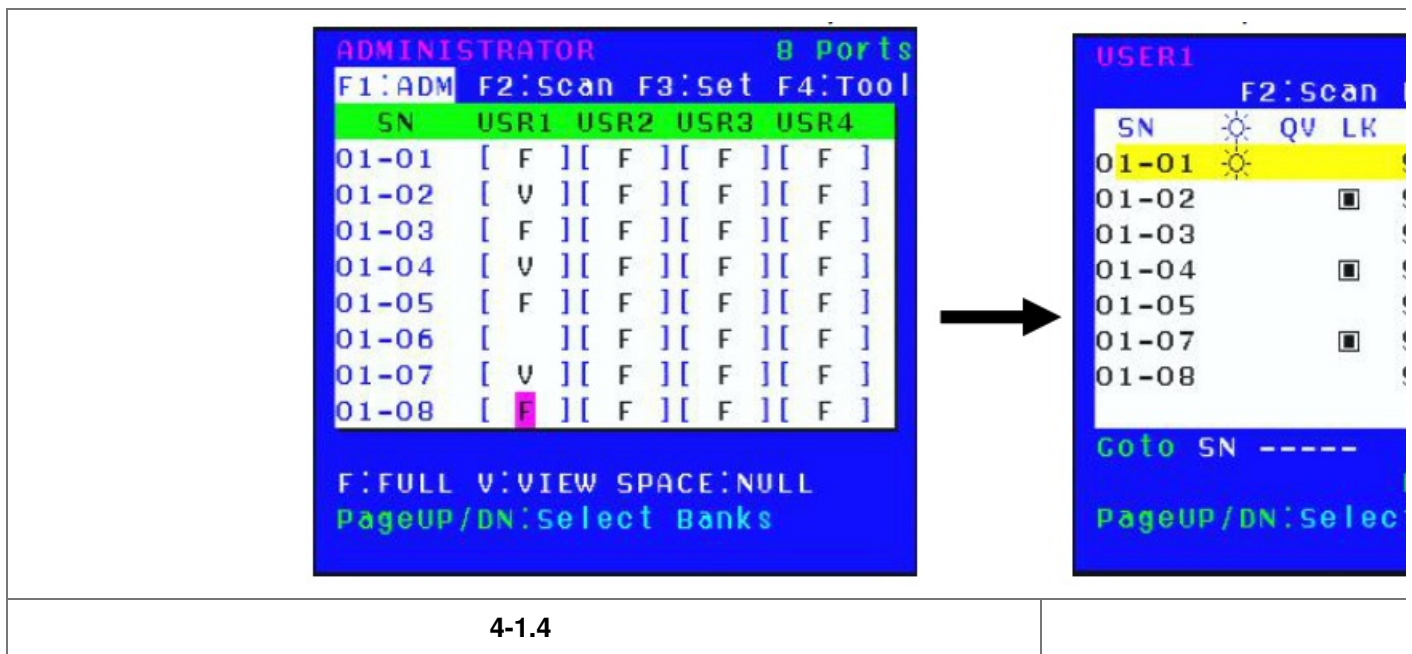
2. Set Accessible—press Enter to select Set Accessibly, then the below menu appears(diagram 4-1.3):

4-1.3

Menu	Explanation
FULL	Full access function to the station and can do any the operation to the ports
VIEW	Read-only function, you can only read the port but you can't operate it if set this function.
NULL	If you set this function, the port will not be displayed on the user's OSD menu.

Note: The administrator always has full access to all the ports.

4-1.4	

Eg.:

1. If you want to set access permission of [User1], press Space to select the permission options you need to set.

2. [User1] log in OSD menu, as shown in diagrams 4-1.5.
3. BRC Mode – Press Enter to enter the BRC mode (see below diagram 4-1.6). Enter the main menu, and press F7 to add or delete a port that needs a broadcast function. When BRC mode is an effect, a speaker symbol appears in the QV column. (see below diagram 4-1.7). While BRC mode is in effect, we can synchronously operate multiple computer ports, but the mouse does not function normally.
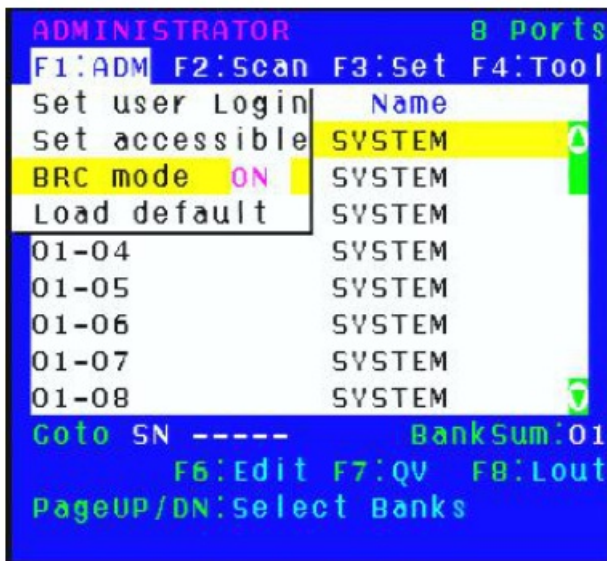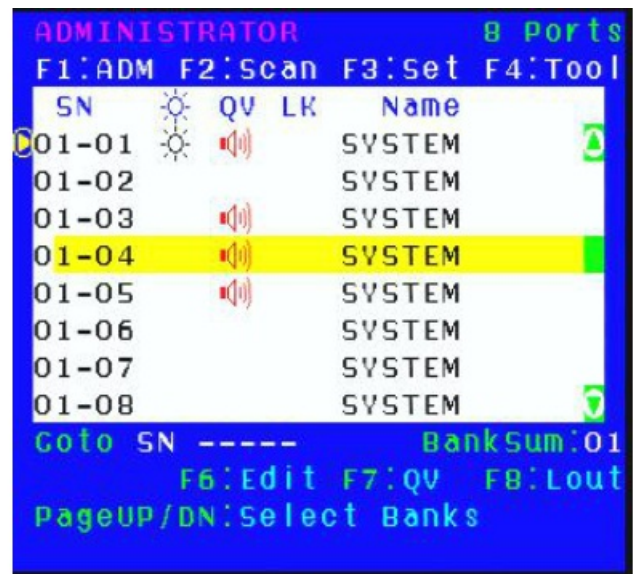

Diagram 4-1.6

Diagram 4-1.7

1. Open BRC mode

   F1 ->BRC Mode OFF->press Enter –> BRC Mode ON (see diagram 4-1.6)

2. Open the port that needs a broadcast function

   Press ↑ ↓ key—>select the port that needs broadcast function → press F7 → a speaker symbol appears in the QV column which shows the port has entered

   broadcast mode.

3. Close the broadcasting port press ↑ ↓ key — >select the port→ press F7 exit BRC mode and the speaker symbol disappears

4. Exit BRC mode

   Invoke OSD main menu → F1 ->BRC Mode ON ->press Enter –> BRC Mode OFF and KVM exit BRC mode (diagram 4-1.8)
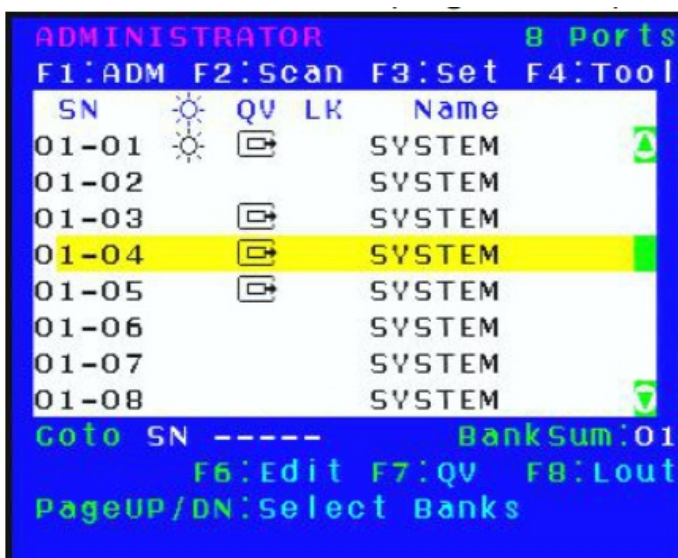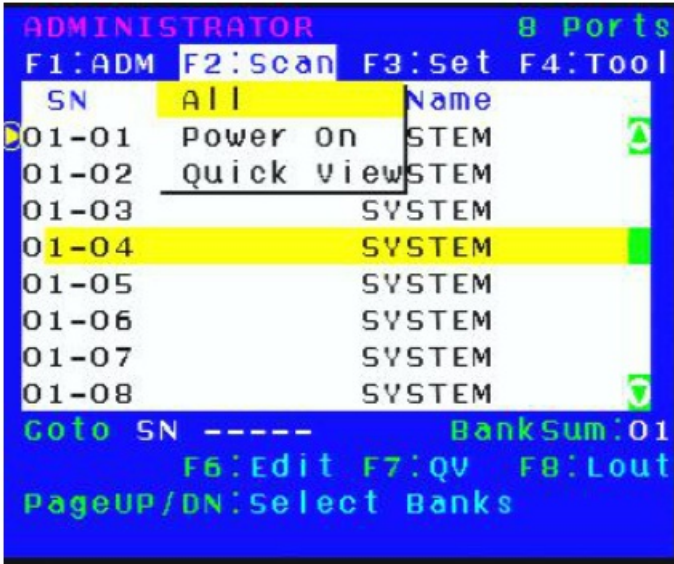

Diagram 4-1.8

Press 【F1】->BRC Mode OFF ->press 【Enter】, enter the main menu, all 🔄 symbols turn into speaker symbol (diagram 4-1.7)

4. Load Default— press Enter to select Load Default, and all the set values are restored to the original factory default settings.

F2-Scan

- **Menu Overview**

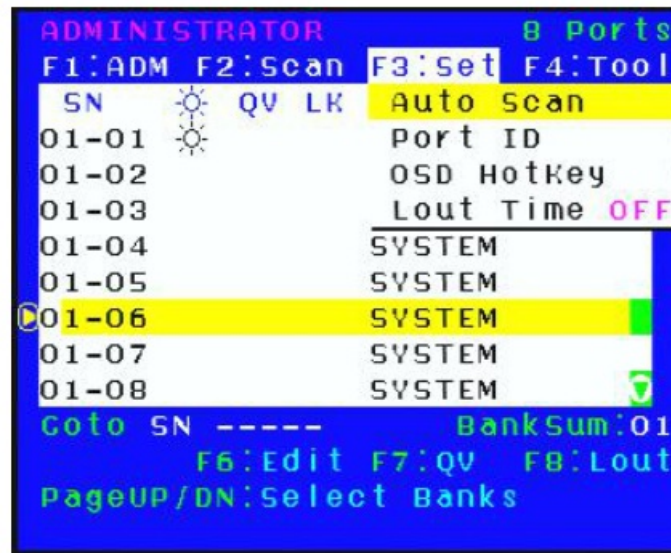**Operating instructions**

1. Press F2 or ← → to enter the F2 submenus.
2. Press ↑ ↓ move the highlight bar to select the submenu.
3. Press Enter selects and exits the Scan menu.
4. Press Esc cancels the operation and exits the SCAN menu.

- **Menu Explanation**

Submenu	Explanatio
All	Use this function to scan all ports according to the set scanning interval.
Power On	Use this function to scan all ports with ☼ according to the set scanning interval.
Quick View	Use this function to scan all ports ⬚ with quick view symbols according to the set s

F3-Set

- **Menu Overview**
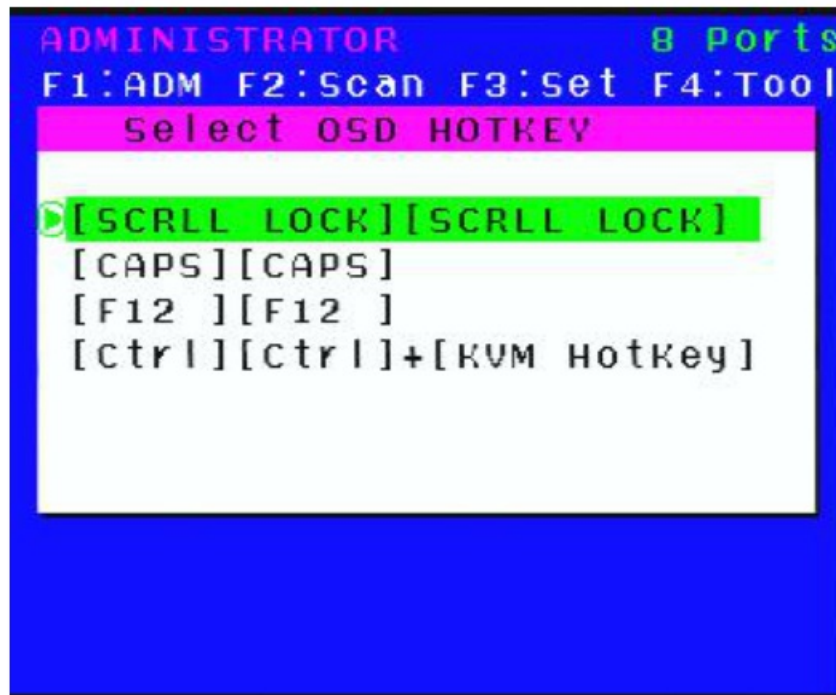
Operating instructions

1. Press F3 or ← → enter the F3 submenu.
2. Press ↑ ↓ move the highlight bar to select the submenu.
3. Press Enter selects and exits the Set menu.
4. Press Esc cancels the operation and exits the Set menu.

- **Menu Explanation**

Submenu	Default value
Auto Scan	5S (effective range 5-99)
Port ID	OS: not display the corresponding port 1-98S: display the seconds, maximum 98s 9 9S: permanent display
OSD Hotkey	Scroll Lock ＋ Scroll Lock Caps Lock ＋ Caps Lock F12 ＋ F12 Ctrl ＋ Ctrl ＋ KV M Hotkey
Lout Time off	0: close the screen saver setting 01-99M: set the screen saver timeout Note: It automatically logs out if the current operator is no longer operating for a while, then the KVM will be locked and you need to enter your user name and password to operate again:

OSD Hotkey Operation
Operating instruction

1. Press F3 and move the highlight bar with ↓ to select the "OSD Hotkey" submenu. Press Enter and below screen appears:
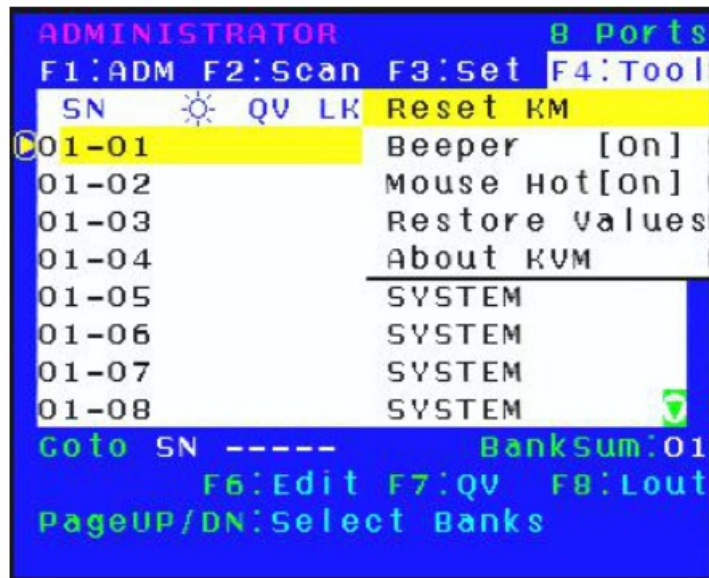2. KVM default hotkey: Scroll Lock

```
ADMINISTRATOR              8 Ports
F1:ADM F2:Scan F3:Set F4:Tool
     Select OSD HOTKEY

▷[SCRLL LOCK][SCRLL LOCK]
 [CAPS][CAPS]
 [F12 ][F12 ]
 [Ctrl][Ctrl]+[KVM Hotkey]
```

3. Select the" Ctrl Ctrl + KVM Hotkey " and press Enter , and then the Ctrl hotkey is available in this hotkey mode, but the mouse hotkey can't enter the OSD menu.

Invoke hotkey: double click L_Ctrl + the corresponding function key

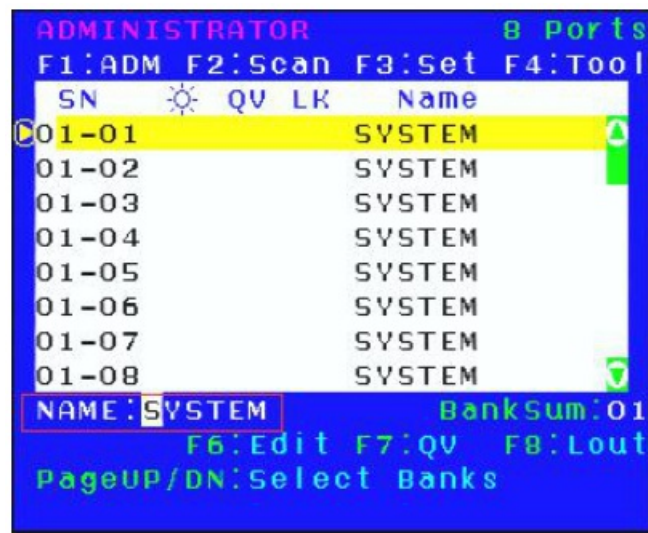| Function	Operating	Functic
Switching port	+ 1~8	Skip ports from 1~8 E.g.: Double click L_Ctrl plus 2 to skip to the second part of the c
	+ F1~ F8	Skip ports from 9-16
	+ ↑/↓	Skip to previous/next port
Auto scanning	+ S	1 Auto Scan automatically scans ports that are attached PC or se y to exit scanning mode. 2. Move the mouse to extend the scan interval.
Invoke OSD main menu	+"space key"	This allows you to invoke OSD main menu see OSD menu opera

F4-Tool

- **Menu Overview**

Operating instructions

1) Press F4 or ← → to enter the F4 submenus.

2) Press ↑ ↓ moves the highlight bar to select the submenu.

3) Press Enter selects and exit the Tool menu.

4) Press Esc cancels the operation and exits the Tool menu.

- **Menu Explanation**

Submenu	Instruction
Reset KM	Initialize the keyboard and mouse that are connected to KVM when they are broken down.
Beeper On	The beeper can be turned on or off with this function.
Mouse Hot On	To open and close the mouse with this function. We can't operate the OSD via the mouse when it is Off
Restore Values	Restore to original factory default values.
About KVM	It shows the KVM version information.

F6-Edit Port Name

- Select the port with the ↑ ↓ key;
- Press F6 and key in the new name or modify the old one, then press Enter to save the name and exit editing.
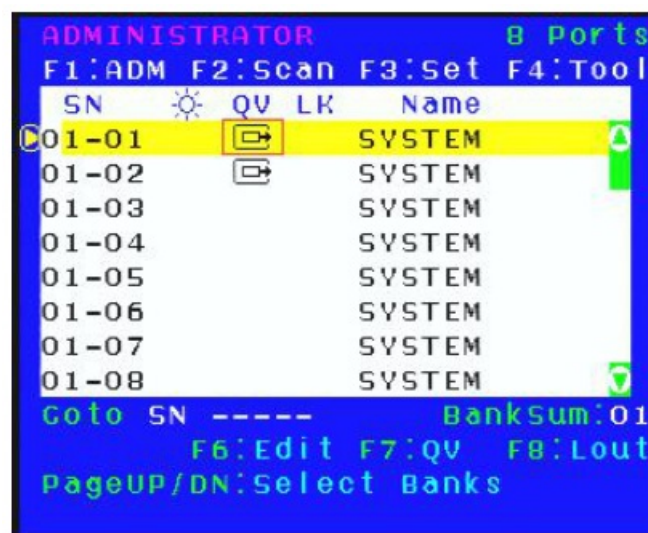- Press Esc to cancel and exit the editing.

Note:
The NAME characters include:
All alpha characters: A-Z
All numeric characters: 0-9
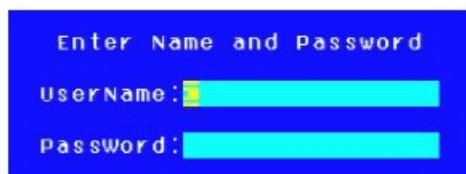Default value: SYSTEM

F7-Set Quick View Port (QV)

- Select ports with ↑ ↓ keys;
- Press F7 to include the current port as Quick View, then an arrowhead appears in the QV column to indicate so.

Note:
Press F7 to cancel the QV symbol if the current port has already a QV arrowhead symbol in its QV column; if you want to cancel all the QV functions, press Restore Values under F4: Tool. (The port name restores to the default setting at the same time.)

F8-LOUT

- Press F8 exits the OSD main menu and fully exits the current port, then the log-in window appears:

- Users must log in all over again to regain access to the OSD.

Setting OSD default values

Settings	Default values
OSD hotkey	Scroll Lock Scroll Lock
Original ADM user name	Enter
Original ADM password	Enter
Port display duration	5 seconds
Port display mode	Bank No.+Port No.+port name
Port name	SYSTEM
Scan duration	5 seconds
Scan mode	All
Auto log out	Esc

Operating system
Support operating system

Operating system		Version
Windows		2000 or higher
Linux	RedHat	6.0 or higher
	SuSE	8.2 or higher
	Mandriva (Mandrake)	9.0 or higher
UNIX	AIX	4.3 or higher
	FreeBSD	3.51 or higher
	Sun	Solais8 or higher
Novell	Netware	5.0 or higher
Mac		8.6 or higher
DOS		6.2 or higher

USB keyboard emulation

Mac keyboard

The PC-compatible (101/104 keys) keyboard can emulate the functions of the Mac keyboard.
The emulation mappings are listed in the below table:

PC Keyboard	
[Shift]	Shift
[Ctrl]	Ctrl
L_Win & "1"	
L_Win & "2"	
L_Win & "3"	
L_Win & F12	
[Alt]	Alt
[Print Screen]	F13
[Scroll Lock]	F14
	=
[Enter]	Return
[Backspace]	Delete
[Insert]	Help

Sun keyboard

The PC-compatible (101/104 keys) keyboard can emulate the functions of the Sun keyboard when the control key [L_Win] is used in conjunction with other keys. The corresponding functions are shown in the below table:

PC Keyboard	Sun Keyboard
L_Win&L_Alt	Stop
L_Win&F4	Again
L_Win&L_Ctrl	Props
L_Win&F5	Undo
L_Win&F1	Front
L_Win&F6	Copy
L_Win&F2	Open
L_Win&F7	Paste
L_Win&F3	Find
L_Win&F8	Cut
L_Win&"1"	V_DN ⬜ 🔇
L_Win&"2"	Mute ◐ — 🔈
L_Win&"3"	V_UP ◑ + 🔊
L_Win&F12	Power 🌙
L_Win&F11	Help
L_Win&L_Shift	Compose
	◆

Appendix

Specifications (USB Console)

Model			XU0108	XU0116
Port Selection			8	16
Computer Connections			Select buttons, OSD menu	
Connector	Console	monitor keyboard mouse	lx HDB-15 Female(blue) 2x USB type A	
	KVM port (HDB-15 Female(yellow)		8	16
	Cascade port		lx HDB-15 Female(yellow)	
Switch	Port selection		8x keys	16x keys
LED indicator	Online(green)		8	16
	Selected(orange)		8	16
	Cascading display		2*7- Segment (orange)	
Input power			DC 12V/ 2A	
Video signal			2048×1536: DDC2B	
Power consumption			3.6W	6W
Emulation	keyboard/mouse		USB	
Emulation Environment requirements	keyboard/mouse		0-50°C	
	Operating temperature		-20-60°C	
	Store temperature		0-80%RH, Non-condensing	
Physical features	Humidity		Metal	
	Material		2.0kg	2.2kg
	Weight		440x169x43mm	

FAQ

1. The KVM console doesn't work when I connect and use the console for the first time. Solutions:

   1)Power off the KVM and disconnect the monitor, keyboard, and mouse.

   2) Disconnect all the signal cables connected to the KVM.

   3)Disconnect all the signal cables connected to the PC, especially those cables with USB ports.

   4)Make sure the monitor, keyboard, and mouse are correctly connected to the KVM console and work properly.

   5)Then power on KVM and you hear the boot indicating sound from the beeper, a screen automatically pops up for you to enter the user name and password.

   6)Type in the correct user name and password, then the OSD main menu pops up on the screen.

   7)Check the KVM console and make sure it can normally switch ports.

   8)Connect one server (PC) to one of the KVM ports with a signal cable and check the port switching function, check the keyboard and mouse, if they are not working, try to restart the server (PC).

   9)After successfully finishing all the above steps, gradually add a server (PC) to this console until meeting your

need.

2. There is no pop-up window to type in the user name and password or the pop-up window is not normally displayed.

   Solutions:

   1)Check the AC/DC output.

   2)Make sure you have heard the indicating sound and the keyboard LED is on after starting up the computer.

   3)Check the LED power and make sure the LED signal cable has connected to the KVM console.

3. I can't log in to the KVM system after starting the computer.

   Solutions:

   1)Make sure the KVM keyboard is working, and the user name and password are correct.

   The default value is blank, you can log in after pressing Enter.

   2)Reconnect the USB keyboard.

4. I can't switch from one port to another after logging in to the KVM system.

   Solutions:

   1)Invoke the OSD main menu and check the user name on the top left, make sure the user has got access permission from the administrator.

   2)Please contact the distributor or the KVM manufacturer.

5. The bad display quality of the PC screen.

   Solutions:

   1)Check the signal cables, and make sure they are connected.

   2)Reset the monitor's display settings.

6. When I switch to one port, the keyboard and mouse do not work.

   Solutions:

   1)Make sure you have exited the OSD menu.

   2)Invoke the OSD main menu and check the user name on the top left, make sure the user has got access permission from the administrator.

   3)Pull out the USB port of the server (PC) then plug it in.

7. I can't invoke the OSD main menu.

   Solutions:

   1)Check the keyboard to make sure it is working.

   2)Double click Scroll_Lock .

   3)Double click F12

   4)Double click Caps Lock

   5)Double-click [Ctrl] + [Space Bar] on the keyboard to check if the OSD can be popped up.

8. The OSD code is in disorder or abnormal displayed when daisy-chaining.

   Solution:

   Invoke the OSD menu after daisy-chaining, press F1 and select Load default , then press enter to refresh OSD ROM.

Documents / Resources

<table>
<tr>
<td>
KVM Switch-Combo
（8 Port / 16 Port）
User Manual

http://www.kinankvm.com/
and right reserved Shenzhen Kinan Technology Co., Ltd
Printing date: 2022/06
Printing date: 2022/06
Version: V2.2
</td>
<td>
[KVM SWITCHS KVM-1508XX 8 Port KVM Switch-Combo](#) [pdf] User Manual
KVM-1508XX 8 Port KVM Switch-Combo, KVM-1508XX, 8 Port KVM Switch-Combo
</td>
</tr>
</table>

References

- **[Kinan-Professional KVM over IP, LCD KVM Console, KVM Switch Manufacturer](#)**