

**8, 16 Port
Rackmount
KVM Console**



StarTech 8, 16 Port Rackmount KVM Console User Manual

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StarTech 8, 16 Port Rackmount KVM Console



Product Information

Specifications

- **Monitor:** 17.3" LED TFT monitor
- **Keyboard:** Ultra slim 99 keys US keyboard with small numeric keyboard
- **Control:** 8 Port / 16 Port
- **Resolution:** High resolution
- **Height:** 1U height, suitable for standard 19" rack mount

Product Usage Instructions

Hardware Installation

To install the KVM console, follow these steps:

1. Connect the corresponding cables to the right ports of the KVM and its module.

Rack Mounting

Mount the KVM console in a standard 19" rack using the provided mounting instructions.

Installation Instruction

Follow the detailed installation instructions provided in the user manual to securely mount the console in the rack.

Opening the Console

To open the console, use the designated method outlined in the user manual to access the controls and monitor.

LED Instructions

Refer to the LED instructions section in the user manual to understand the different LED indicators on the KVM console.

LED OSD Configuration

Learn how to configure the LED On-Screen Display by following the instructions provided in the user manual.

OSD Operation

Operate the On-Screen Display to control and manage the connected computers using the console. The user manual provides detailed guidance on OSD operation.

FAQ

- **Q: How many computers can the KVM console control?**

A: The KVM console can control up to 8 or 16 computers depending on the model.

- **Q: What operating systems are compatible with the KVM console?**

A: The KVM console supports multiple hardware platforms and is compatible with Windows, Sun, Unix, and Linux.

- **Q: How do I switch between connected computers?**

A: You can switch between connected computers using push buttons, hotkeys, or On-Screen Display (OSD) as outlined in the user manual.

Overview

Product Description

The KVM console integrates multiple port KVM switches in a 1U height console. It can control multiple computers with a set of device including monitor, keyboard and mouse, thus saves much cost and space to separately equip keyboard, mouse and monitor for every computer.

It is easy and fast to install the KVM console, you just need to connect corresponding cables to the right ports of KVM and its module without software configuration.

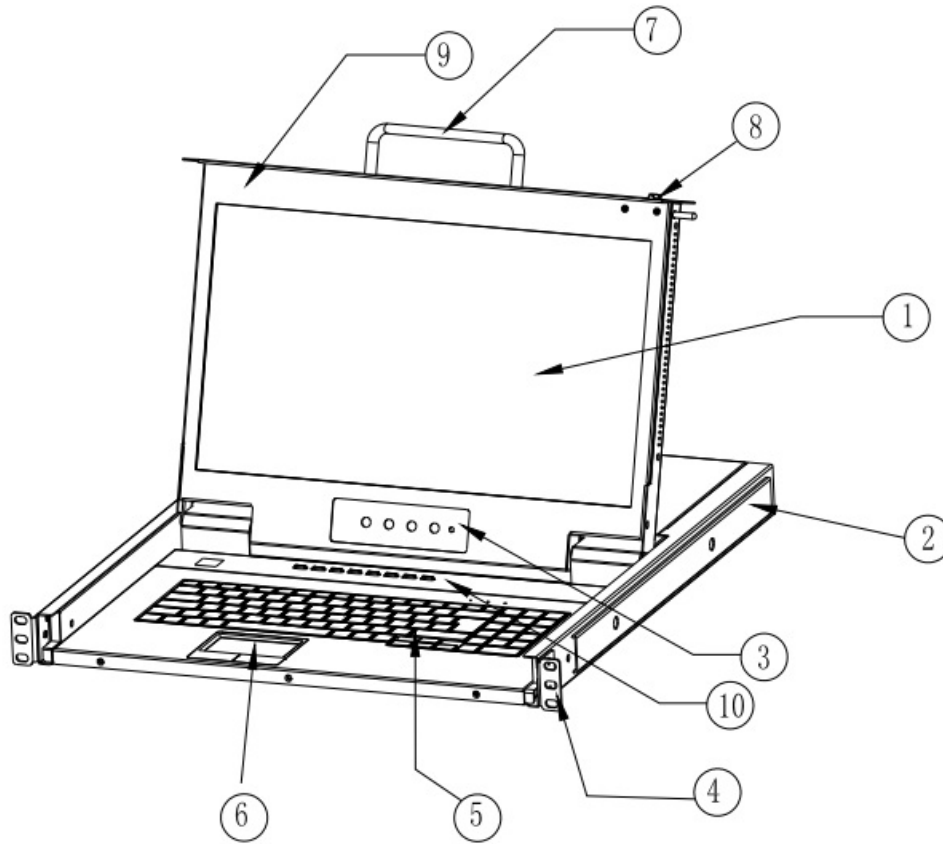
The KVM console can control up to 8 or 16 computers, and supports multiple hardware platforms and multiple operating systems.

Product Features

- 17.3"LED TFT monitor, high brightness, high resolution
- 1U height, suitable height for standard 19"rack mount, metal structure.
- Ultra slim 99 keys US keyboard with small numeric keyboard.
- High resolution and high flexibility with touchpad with two function buttons and scroll wheel.
- A single console controls up to 8/16 DVI computers
- Select computers via push button, hotkey and OSD
- 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 hot keys(Scroll Lock / Caps Lock / F12 / Ctrl), auto scanning time, port display time, log out time, buzzer on/off and mouse on/off according to their different needs
- Broadcast mode – operations simultaneously performed on all selected computers Easily choose servers with mouse
- Multiplatform Support-Compatible with Windows, Sun, Unix and Linux

- Complete keyboard and mouse signal simulation to ensure that the booting and switching are correct
- Auto scan feature for monitoring user-selected computers
- Hot pluggable - add or remove computers without having to power down the switch

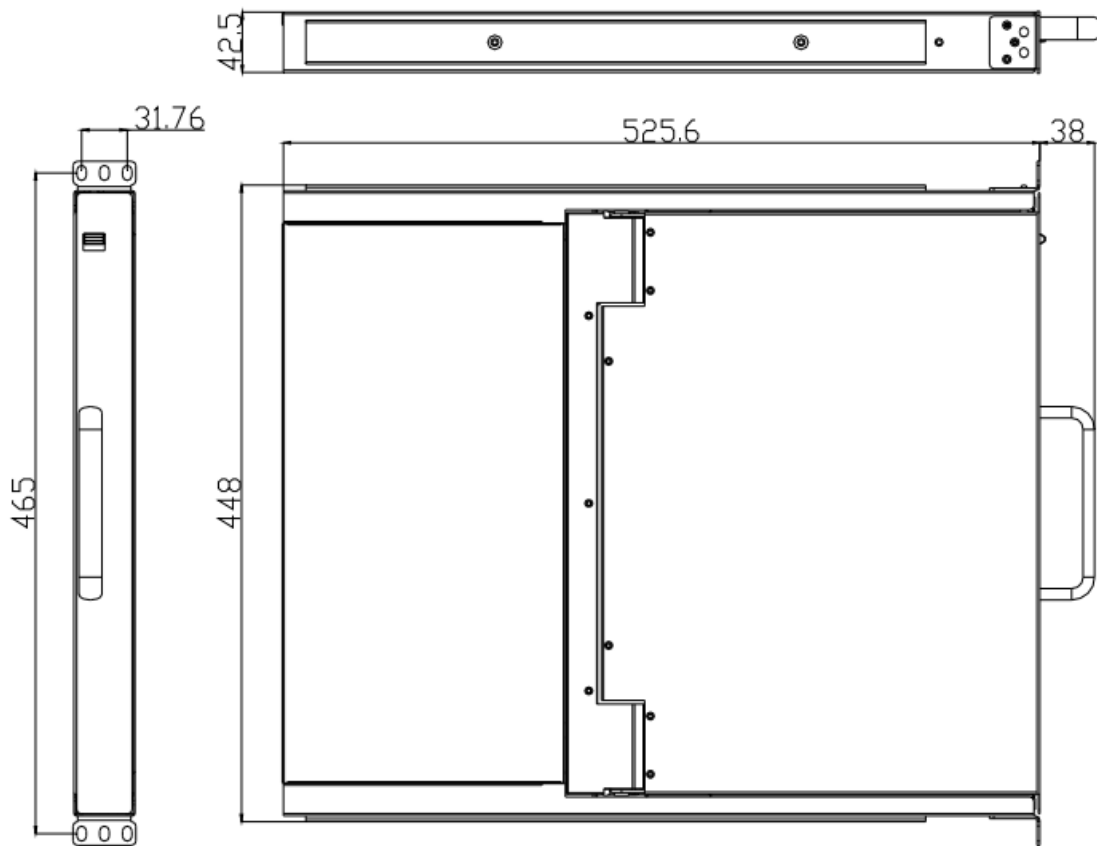
Front view



1-1.1 front view

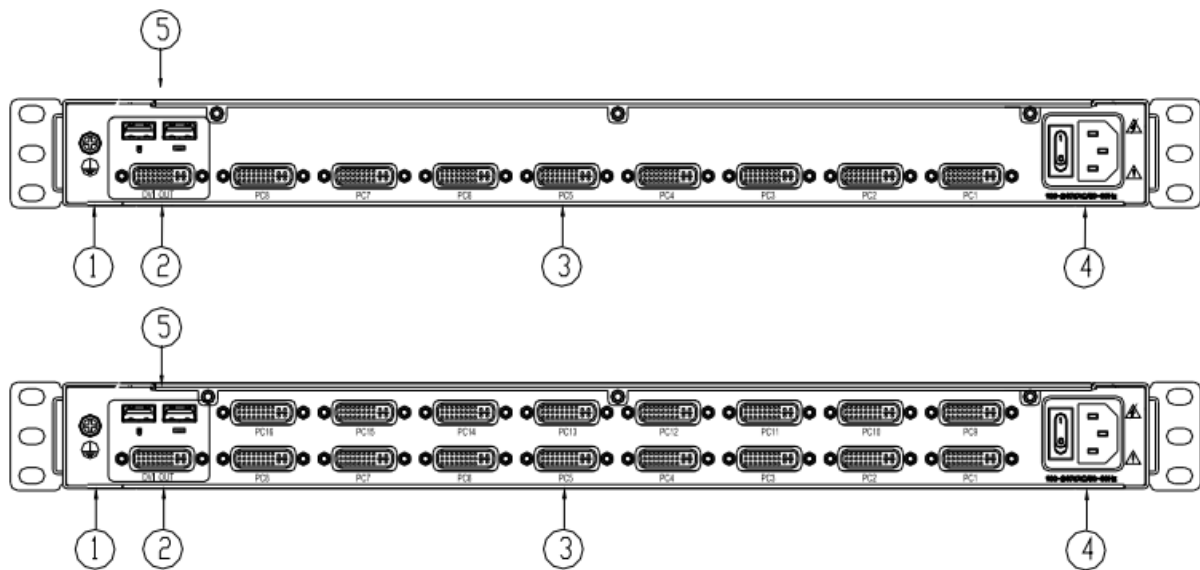
1. LED Module
2. Rear Bracket Slot
3. LED OSD Controls
4. Front Bracket
5. Keyboard
6. Touchpad
7. Handle
8. Release Catch
9. Display panel
10. Switch LED

Structure and Size



1-1.2

Back view



1-1.4

1. Ground connection screw
2. DVI Output
3. KVM port
4. Power input (AC)
5. USB port

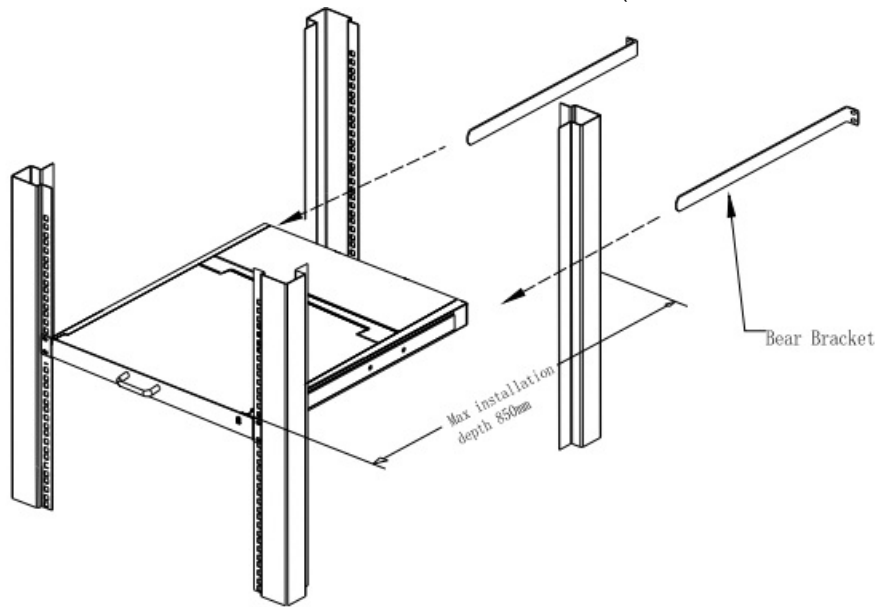
Hardware Installation

Rack Mounting

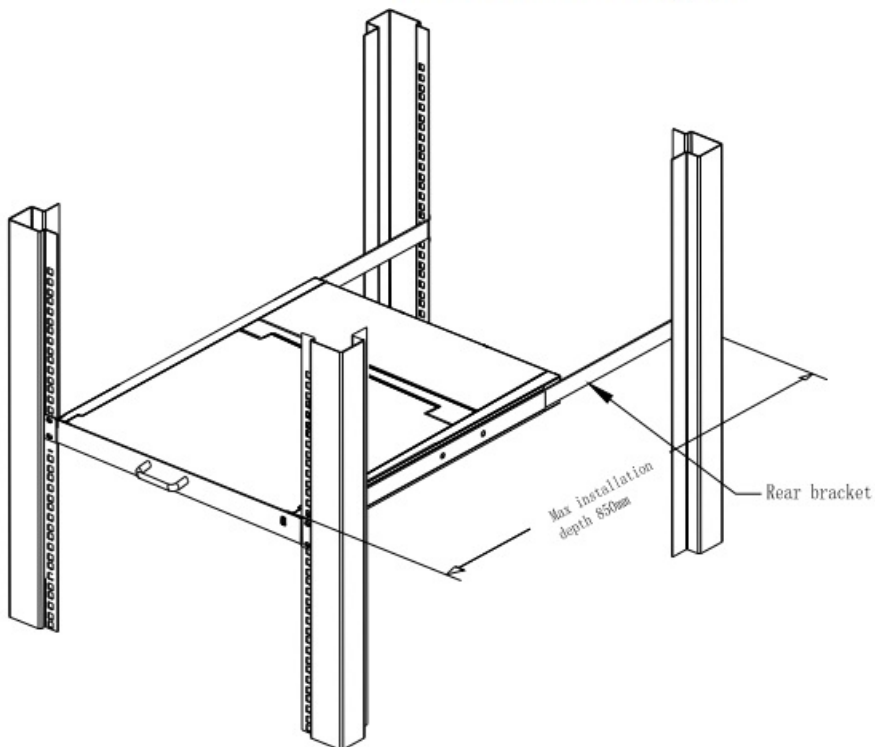
A standard rack mounting kit is provided to mount the switch in a depth of 510-850 mm in a standard 19" rack.

For other mounting distance, the rear brackets need to be customized accordingly.

With one person hold the switch in place and the other person slides the L bracket into the switch's side mounting brackets from the front to the back, then screws the brackets to the rack. (see below installation drawing)



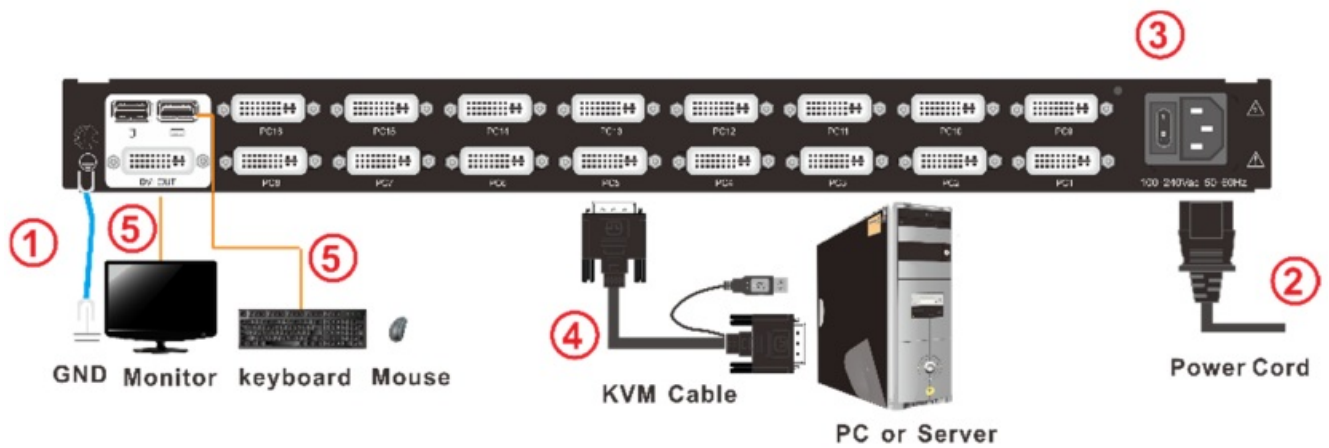
2-1.1 rack mounting (1)



2-1.2 rack mounting (2)

Installation instruction

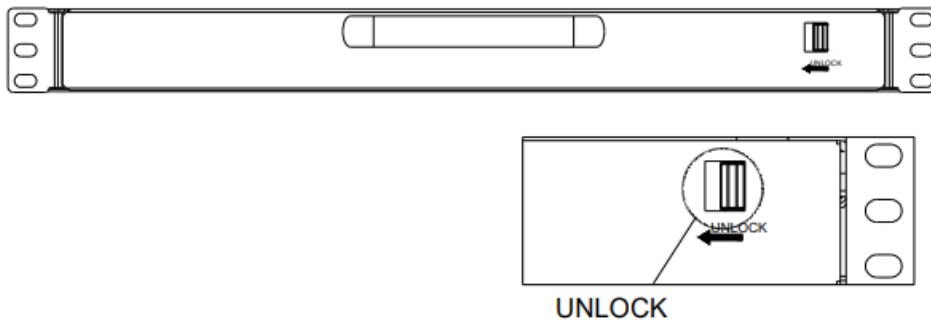
1. Make sure the rack mounting KVM switch has been connected to the ground (① in the diagram).
2. Connect power cable to KVM port as shown in ② in the diagram.
3. Turn on the power, the KVM start to work after power supply (③ in the diagram).
4. Connect KVM switch with the computer according to ④ in the diagram.



Note: Connect monitor, USB keyboard and mouse to Console port to connect another console (⑤ in the diagram). To ensure signal integrity and simplify cable layout, we strongly recommend you using high quality cables with different length.

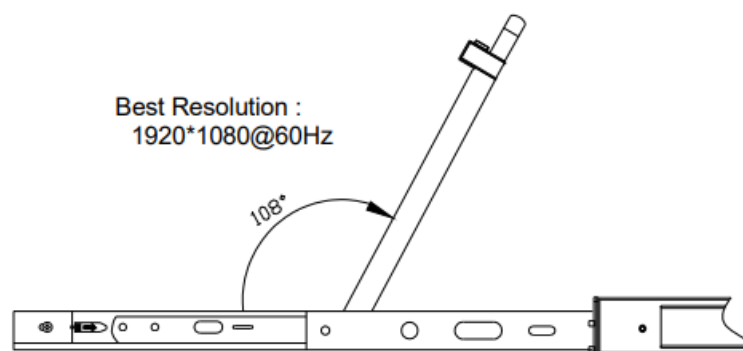
Opening the console

- Release the release catch;



2-1.3 unlocking

- Pull the LED panel all the way out until it clicks into place.
- Rotate the LED module all the way back to expose the LED screen, the LED module can be rotated up to 108°.



2-1.4 rotate angle of the console

- Turn on power switch KVM will be issued two "beep" sound, The Port LEDs light flashes 4 times , the LED displays the prompted to enter the user's password.

Enter Name and Password

UserName:

Password:

2-1.5 password window

- LED panel is powered on when the power LED is green.
- Power on computer or server after power on KVM and you will see green light at each port.
- The factory default password is blank, it will be OK after double click “Enter”.

NOTE: The username and password are no more than 16 characters, Press and hold the Shift key to type lowercase letters.

Please contact the manufacturer for support if the KVM is locked.

Closing the console

- Close the LED display panel and the power automatically shut down.
- Push the release catch in the direction of the arrow; push the LED panel in until it automatically locks up.

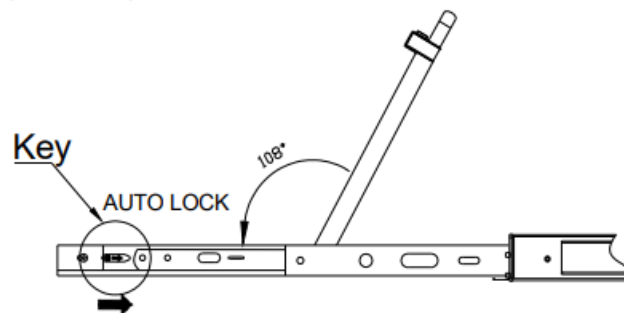


Diagram 2-1.6 unlocking the console

LED Instructions



3-1.1 front view

No.	Components	Function
1	1-8 or 1-16	Switching freely from port 1 to port 8 /16
2	Port Selection Buttons& LEDs	Indicator LEDs are built into the switches, the online LED light is on the left and the selected LED light is on the right. 1 An online LED light(green) indicates that the KVM has connected to its corresponding computer and power on. 2 A selected LED light(orange) indicates that the computer attached to its corresponding port is up and running.
3	Station ID	Display the current port

LED OSD Configuration



The LED OSD allows you to set up and configure the LED display.

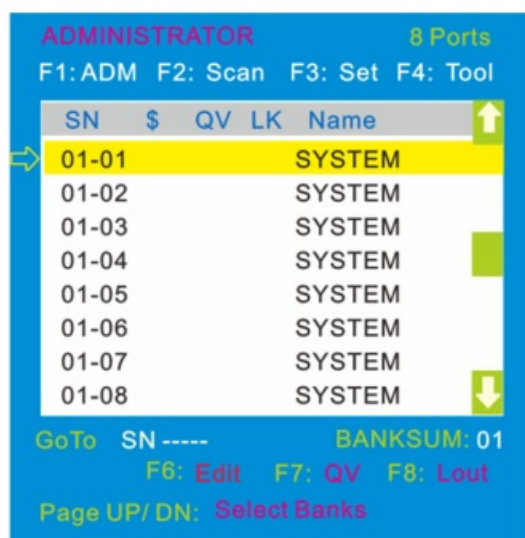
Buttons	Functions
MENU SELECT	Press this button invokes the menu function and brings up the main menu.
EXIT/AUTO	Press this button exits the current menu and return to the previous menu or press this button exits the LED OSD. Press AUTO for automatic configuration.
SL-/SL+	Press this button moves your menu to make corresponding adjustment.
LED state	Green: running Red: power off or access non-standard VESA signal Flash green: energy saving mode or no signal

Table3-1.2 LED OSD configuration instruction

Press AUTO if the screen migrates after power on or under other circumstances, then the screen auto configure to its best display state.(It might can't be adjusted to its best state if part of the display mode is not standard VESA mode, if so return back to OSD menu to RESET, then it will back to normal. We suggest our customers to set up the display mode at 1920×108, refresh rate at 60Hz.

OSD Operation

Double click the right buttons 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 (Page 17).

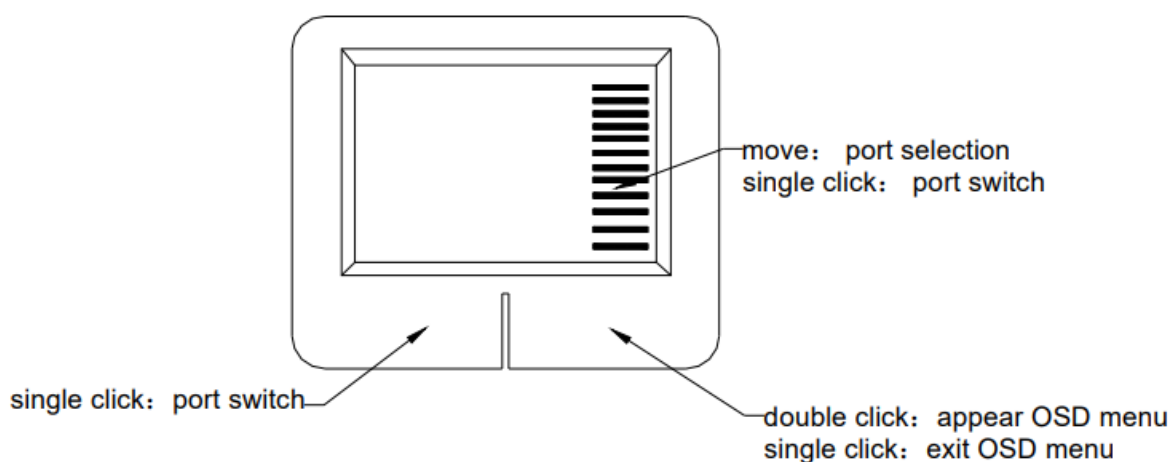


Headings	Explanation
SN	Port number
➡	It shows the computer port is under monitoring.
\$	The computers are power on and are online
QV	"#": quick view the port "BC": Broadcast port
LK	" @ "shows that the port is only available for viewing
Name	Port name, the maximum is 12 bytes

To access the OSD menu through keyboard:

1. In the submenus that appear, moving the highlight bar to your selected port and then press Enter.
2. Press any key from 0-9 to enter any port of current station

To access the OSD menu through keyboard:



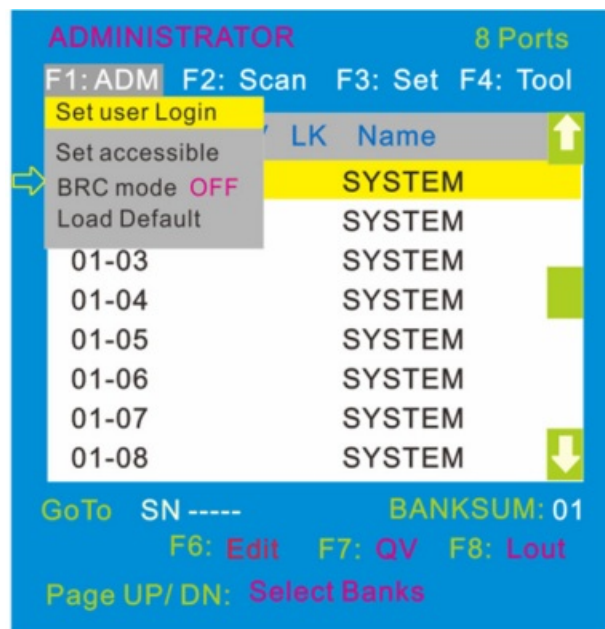
***Note:** Operate via keyboard after invoke the OSD menu via the touchpad.

OSD Functions

Menus	Keys	Submenu/explanation
ADM	F1	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 View ports
Set	F3	Auto Scan: set scanning time period Port ID: set how long a port displays on the monitor OSD Hotkey: set OSD hot keys Lout Time off: to set the time out value
Tool	F4	Reset KM: press Enter resets keyboard and touchpad Beeper On : press Enter switch Bee sounds Mouse Hot On : press Enter to shut down touchpad operating on OSD. Restore Values: press Enter restore the current user default value. About KVM: press Enter shows the KVM version
Edit	F6	Edits port names
QV	F7	Start or close Quick View
Lout	F8	Log out/blank the console screen
Exit	Esc	Press this key exits OSD menu
	Scroll Lock	Press this key exits OSD menu
	Num Lock	Press this key exits OSD menu

F1-ADM

- **Menu overview**

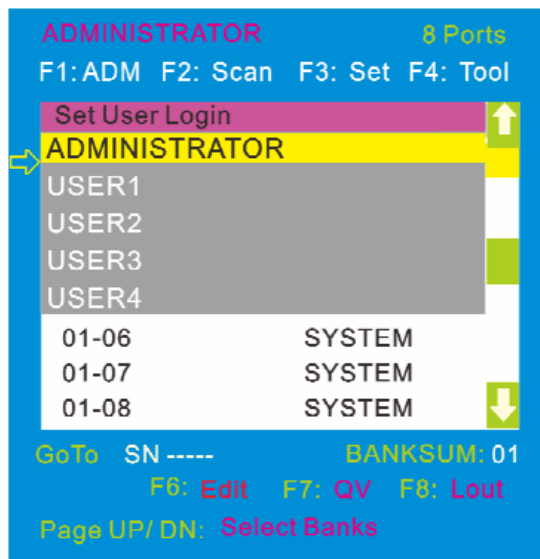


◦ Operating instructions

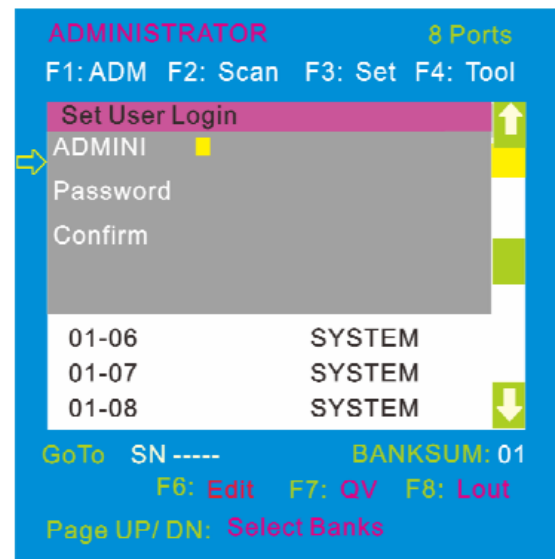
- Press F1 or ← → enters the F1 submenus.
- Press ↑ ↓ moves the highlight bar to select the submenu.
- Press Enter selects and exits ADM menu.
- Press Esc cancels the operation and exits ADM menu.

• Menu explanation

1. Set User Login—Press Enter and select Set User Login, a screen as below Diagram 4-1.1 appears:
One administrator and four users account can be set (The username and password are no more than 16 characters, Press and hold the Shift key to type lowercase letters.)



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 you have done your set, and “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 and select Set Access Permission, then below menu appears:
(diagram 4-1.3):

ADMINISTRATOR 8 Ports

F1: ADM F2: Scan F3: Set F4: Tool

SN	User1	User2	User3	User4
01-01	[F]	[F]	[F]	[F]
01-02	[F]	[F]	[F]	[F]
01-03	[F]	[F]	[F]	[F]
01-04	[F]	[F]	[F]	[F]
01-05	[F]	[F]	[F]	[F]
01-06	[F]	[F]	[F]	[F]
01-07	[F]	[F]	[F]	[F]
01-08	[F]	[F]	[F]	[F]

F: FULL V: VIEW Space: NULL

4-1.3

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

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

ADMINISTRATOR

8 Ports

F1:ADM F2: Scan F3: Set F4: Tool

SN	User1	User2	User3	User4
01-01	[V]	[F]	[F]	[F]
01-02	[]	[F]	[F]	[F]
01-03	[]	[F]	[F]	[F]
01-04	[F]	[F]	[F]	[F]
01-05	[V]	[F]	[F]	[F]
01-06	[F]	[F]	[F]	[F]
01-07	[V]	[F]	[F]	[F]
01-08	[]	[F]	[F]	[F]

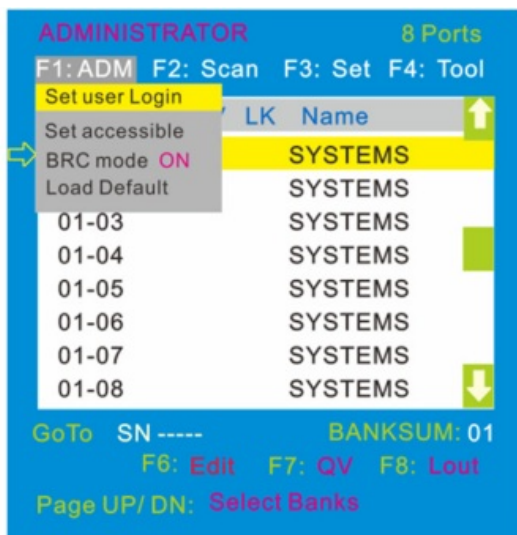
F: FULL V: VIEW Space: NULL

4-1.4

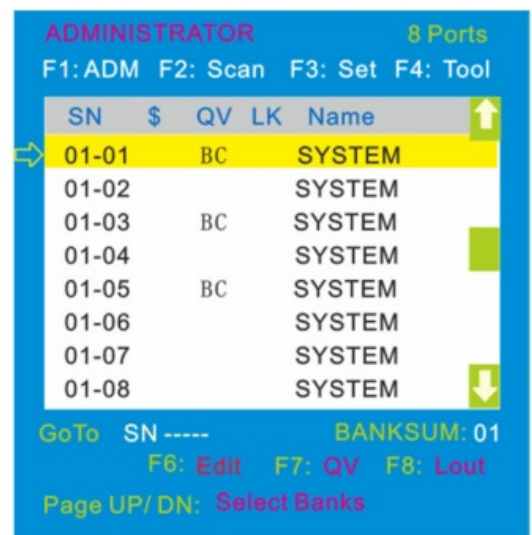
USER1					8 Ports	
F2: Scan					F3: Set	
F4: Tool						
SN		\$	QV	LK	Name	
01-01			@		SYSTEM	
01-04					SYSTEM	
01-05			@		SYSTEM	
01-06					SYSTEM	
01-07			@		SYSTEM	
GoTo SN ----					BANKSUM: 01	
F6: Edit					F7: QV	
F8: Lout						
Page UP/ DN: Select Banks						

4-1.5

- BRC Mode - Press Enter to enter the BRC mode. Enter the main menu, press F7 to add or remove a port that need broadcast function. When BRC mode is effect, a speaker symbol appears in QV column. (see below diagrams). While BRC mode is in effect, we can operate multiple computer ports simultaneously, but the mouse is not function normally.



4-1.6



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 need broadcast function

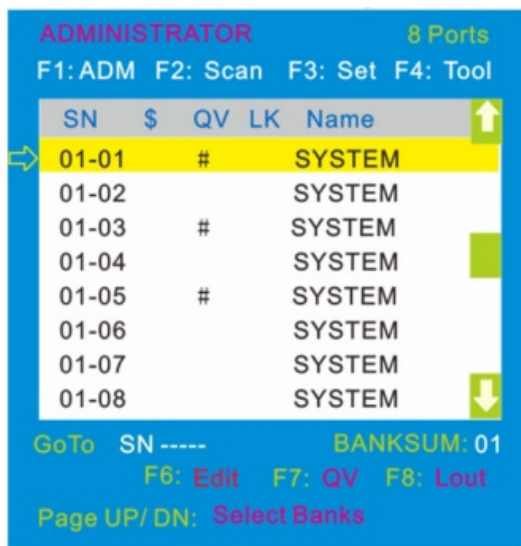
Press ↑ ↓ key—>select the port that need broadcast function press F7 a “BC” symbol appears in the QV column which shows the port has entered broadcast mode.

3. Close the broadcasting port

Press ↑ ↓ key—>select the port press F7 exit BRC mode and the “BC” symbol disappears

4. Exit BRC mode

Invoke OSD main menu F1 ->BRC Mode ON ->press Enter --> BRC Mode OFF, the KVM exits BRC mode(diagram 4-1.8)



4-1.8

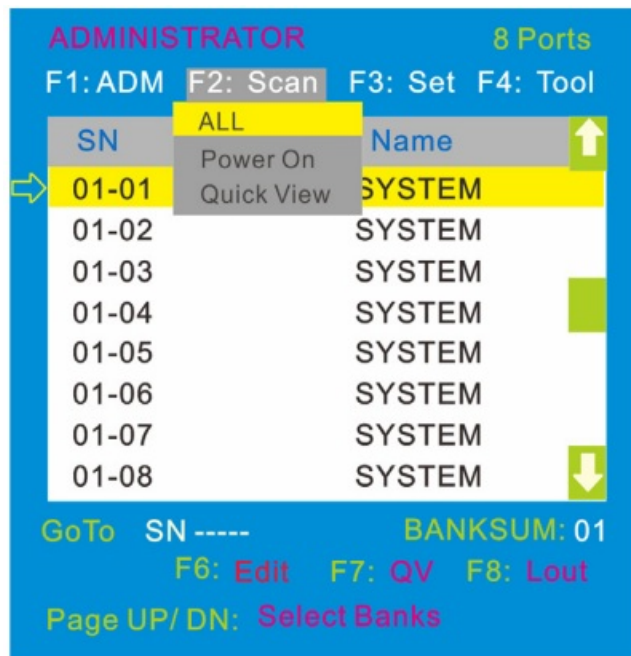


Press 【 F1 】 ->BRC Mode OFF
->press 【 Enter 】 ,enter the main menu, all “#” symbols turn into “BC” symbol(diagram 4-1.7)

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

F2-Scan

• Menu overview



- **Operating instructions**

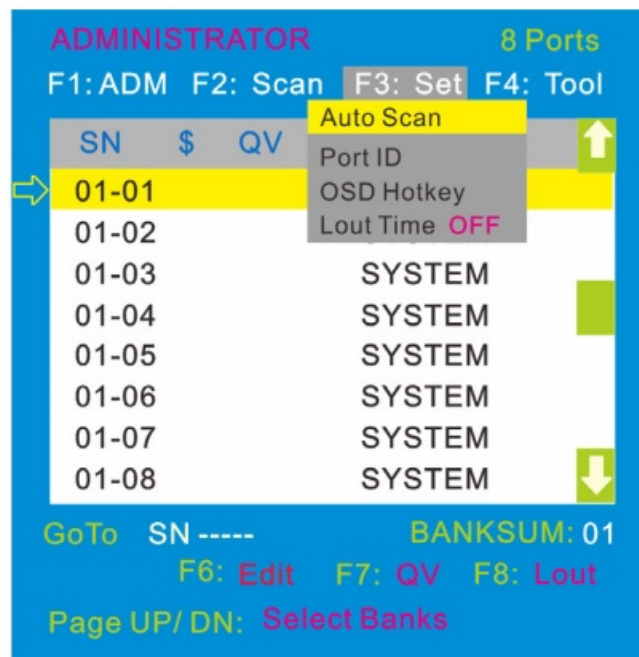
1. Press F2 or ← → enters the F2 submenus.
2. Press ↑ ↓ moves the highlight bar to select the submenu.
3. Press Enter selects and exits Scan menu.
4. Press Esc cancels the operation and exits SCAN menu.

- **Menu explanation**

Submenu	Explanation
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 scanning interval.

F3-Set

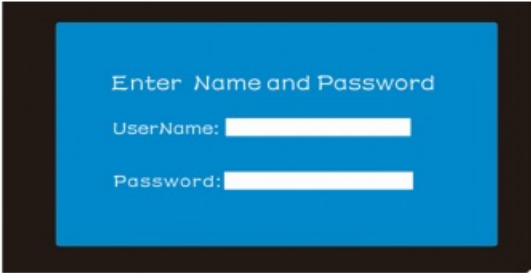
- **Menu overview**



- **Operating instructions**

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

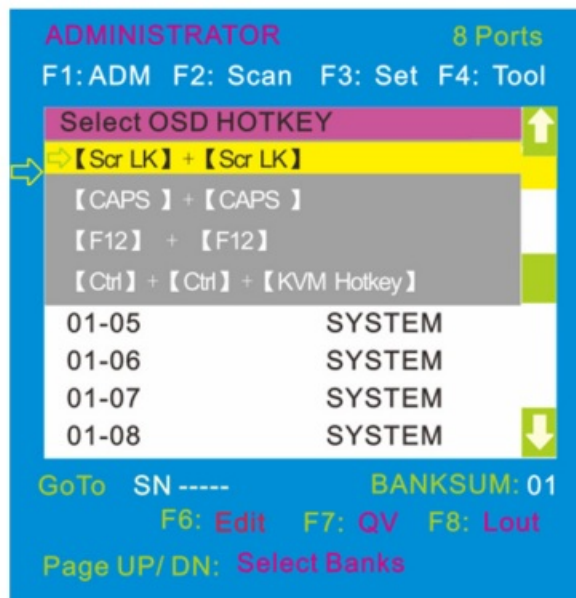
- **Menu explanation**

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

OSD Hotkey Operation

Operating instruction

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



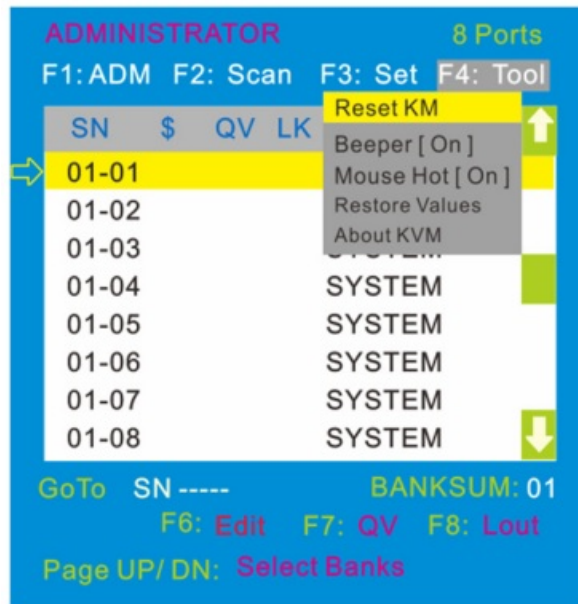
Select the “ Ctrl Ctrl + KVM Hotkey ” and press Enter , and then the Ctrl hotkey is available in this hotkey mode, The hotkey can’t enter the OSD menu

Invoke hotkey: double click L_Ctrl + the corresponding function key

Function	Operating	Function description
Switching port	+ 1~8	Skip ports from 1~8, Eg.: Double click L_Ctrl plus 2 to skip to the second port of the current station.
	+ F1~ F8	Skip ports from 9-16
	+ ↑/↓	Skip to previous/next port
Auto scanning	+ S	1. Auto Scan automatically scan ports that attached PC or server. Users can set the scan duration in OSD menu and press any key to exit scanning mode. 2. Move the mouse to extend scan interval.
Invoke OSD main menu	+ “space key”	This allows you to invoke OSD main menu see OSD menu operation

F4-Tool

- **Menu overview**



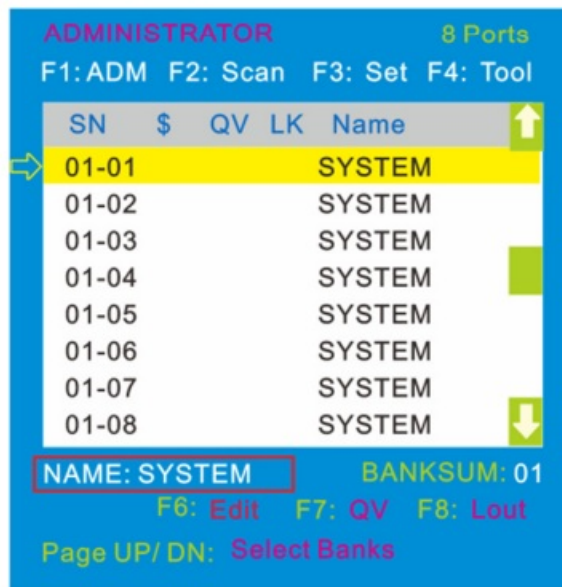
- **Operating instructions**

- Press F4 or ← → enters the F4 submenu.
- Press ↑ ↓ moves the highlight bar to select the submenu.
- Press Enter selects and exits Tool menu.
- Press Esc cancels the operation and exits Tool menu.

- **Menu explanation**

Submenu	Instruction
Reset KM	Initialize the keyboard and mouse that connected to KVM when they are b reak 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 OS D when it is Off .
Restore Values	Restore to original factory default values.
About KVM	It shows the KVM version information.

F6-Edit port names



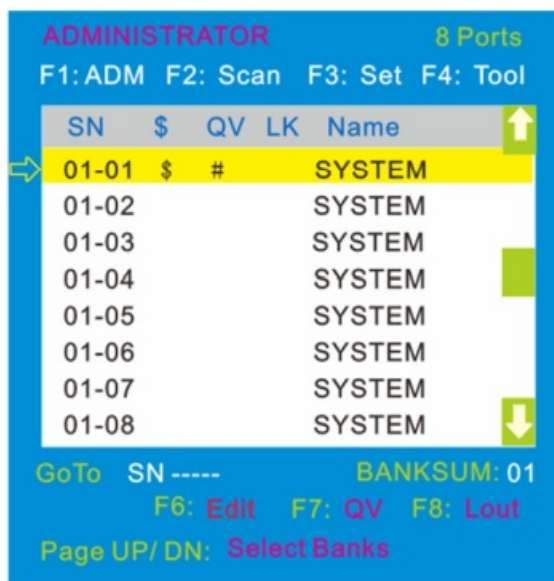
- Select the port with ↑ ↓ key;
- Press F6 and key in the new name or modify the old one, then press Enter to save the name and exit editing.
- Press Esc to cancel and exit the editing.

Note:

The NAME characters include:

- **All alpha characters:** A-Z
Press and hold the Shift key to type lowercase letters
- **All numeric characters** 0-9
- **Default value:** SYSTEM

F7-Set quick viewport (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 is the current port has already have a QV arrowhead symbol in its QV column; if you want to cancel all the QV function, press Restore Values under F4:Tool.(The port name restores to default setting at the same time.)

F8-LOUT

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

A blue rectangular window with the title "Enter Name and Password" in white text. Below the title, there are two white input fields. The first field is labeled "UserName:" and has a small yellow cursor icon at the start. The second field is labeled "Password:".

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

Appendix

Specifications (17.3")

Function		LD1708	LD1716
Computer connections	Direct	8	16
	Max	8	16
Port emulation	Keyboard, mouse	USB	
LED monitor	LED model	FHD TFT	
	View area	17.3"	
	Optimum resolution	1920×1080@60Hz	
	Display color	16.7 M	
	Brightness	250cd/m ² (T y p)	
	Contrast ratio	800 : 1(T y p)	
	Pixel pitch(mm)	0.1989(H) × 0.1989(W)	
Mouse	X/Y resolution	>1000 points /inch, (40 points/mm)	
	Roll wheel	Supports scroll wheel function	
Keyboard		99 keys (82 keys main keyboard +17 independent small numeric keyboard)	
Port selection		pushbuttons, hotkeys, OSD menu	
Input power		100V- 240Vac, 50-60Hz, <1.5A	
Power consumption		13W	15W
Mounting distance		510-850mm (L=420mm) Mounting bracket can be customized for other mounting distance	
Operating temperature		0—50 °C	
Store temperature		-20—60 °C	
Humidity		0—80% RH, non-condensing	
Net weight		11kg	11.2kg
Product dimension (W × D × H)		448mm×525.6 mm×42.5mm	
Package dimension (W × D × H)		765mm×615mm×185mm	

FAQ

The KVM console do not work when I connect and use the console for the first time.

Solutions: Please re-connect the KVM console according to below steps:

1. Disconnect all the signal and power cables connected to KVM.
2. Then power on KVM and you hear the boot indicating sound from the beeper, a screen automatically pop up for you to enter the user name and password.
3. Type in the correct user name and password, the original password is clicking Enter twice, then the OSD main menu pop up on the screen.
4. Check the KVM console and make sure it can normally switch ports .
5. Connect one server(PC) to one of the KVM ports with signal cable and check port switching function, check the keyboard and mouse, if they are not working, try to re-start the server(PC).
6. After successfully finishing all above steps, gradually add server (PC) to this console until meet your need.

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

Solutions:

1. Make sure the KVM keyboard is working, the user name and password is correct. The default value is blank, you can log in after press Enter.
2. If you still can't log in the system, try to connect an external USB keyboard.(The original default value is blank, you can log in after double clicking Enter)

I can't switch from one port to another after logging in 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 the access permission from the administrator.
2. Please contact the distributor or the KVM manufacturer.

Bad display quality of PC screen.

Solutions:

1. Check the signal cables, make sure they are connected.
2. Reset the monitor's display settings.

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 the access permission from the administrator.
3. Pull out the USB port of the server(PC) then plug in.


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

Documents / Resources

<div><p>Rackmount KVM Console (8 Port / 16 Port) User Manual</p><p>StartTech 8, 16 Port Rackmount KVM Console [pdf] User Manual</p></div>	<p>StartTech 8, 16 Port Rackmount KVM Console [pdf] User Manual</p> <p>LD1708, LD1716, 8 16 Port Rackmount KVM Console, 8 Port Rackmount KVM Console, 16 Port Rackmount KVM Console, 8 Port Rackmount, KVM Console, 16 Port Rackmount, Console, Rackmount KVM Console, Rackmount Console, Rackmount</p>
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References

- [Home - Kinan](#)
- [User Manual](#)

Manuals+, Privacy Policy

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