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Kinan
LC1719-series
Rackmount KVM
Console

Kinan LC1719-series Rackmount KVM Console User Manual

Contents

Kinan

Kinan LC1719-series Rackmount KVM Console

Product Information

Specifications

- **Model:** Rackmount KVM Console
- **Available Ports:** 8 Port / 16 Port / 24 Port / 32 Port
- **Manufacturer:** Shenzhen Kinan Technology Co., Ltd
- **Print Date:** 2024/10
- **Version:** V5.5

Overview

Description:
The KVM console integrates multiple-port CAT5 KVM switches in a 1U height console. Multiple computers can be controlled from the single monitor-keyboard-mouse console. Installation is quick and easy without the need for software configuration.

Features:

- 17 &19 LCD TFT monitor with high brightness and resolution
- Metal 19 rack with 1U height
- Ultra slim 99 keys keyboard (PS/2) with small numeric keyboard

- High-resolution touchpad with two function buttons and scroll wheel
- Supports VGA/ HDMI/ DVI/DP port servers
- Supports Multiple systems: Windows, Linux, Mac, and Sun
- Two-level password security for authorized access
- Convenient computer switching via front panel pushbuttons, hotkeys, OSD menu, or mouse
- Auto scan feature for monitoring user-selected computers
- Keyboard and mouse emulation function
- USB or PS/2 keyboard emulation for computer boot even when the console focus is elsewhere
- Hot pluggable – add or remove computers without powering down the switch

Hardware Installation

- **Rack Mounting:** Follow the installation diagram provided in the user manual to securely mount the KVM console in a rack. Ensure proper cable management for efficient setup.
- **KVM Adapter:** Connect multiple computers using RJ-45 connectors and CAT5 cables. The transmission distance is up to 100M, eliminating the need for a KVM extender.

Operation

- **LED Operating Instructions:** Refer to the user manual for detailed guidance on interpreting the LED indicators for system status.
- **OSD Operation:** Navigate through the On-Screen Display (OSD) menu to access various controls and settings for efficient management of connected computers.

FAQ

- **Q: Can I control multiple computers with different operating systems using this KVM console?**
  A: Yes, the KVM console supports multiple systems including Windows, Linux, Mac, and Sun.
- **Q: How many users can access the connected computers with separate profiles?**
  A: Up to four users and an administrator can have separate profiles with two-level password security for secure access.

Description

- The KVM console integrates multiple-port CAT5 KVM switches in a 1U height console. Multiple computers can be controlled from the single monitor-keyboard-mouse console.
- It is easy and fast to install the CAT5 KVM console; you just need to connect corresponding cables to the right ports of the CAT5 KVM and its module without software configuration.
- KVM console can connect multiple computers with RJ-45 connectors nd CAT5 connecting cables. The transmission distance is up to 100M, so it doesn't need a KVM extender.
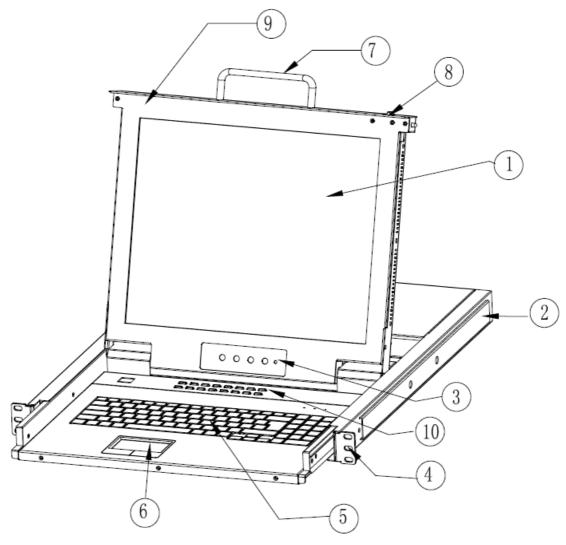
Features

- 17" &19" LCD TFT monitor, high brightness, high resolution

- Metal 19" rack with 1U height
- Ultra slim 99 keys keyboard (PS/2) with small numeric keyboard
- High resolution and high flexibility with touchpad; with two function buttons and scroll wheel, standard PS/2 port

Switch Functions

- Access and control up to 8 / 16 / 24 / 32 computes
- Support servers with VGA/ HDMI/ DVI/DP port
- Supports Multiple systems: Windows, Linux, Mac, and Sun
- Two-level password security--only authorized users view and control computers; up to four users and an administrator with a separate profile for each
- Convenient computer switching via front panel pushbuttons, hotkeys, OSD menu, or mouse
- Auto scan feature for monitoring user-selected computers
- Broadcast mode--operations simultaneously performed on all selected computers
- Keyboard and mouse emulation function.
- USB or PS/2 keyboard emulation--computer boot even if the console focus is elsewhere
- Hot pluggable --add or remove computers without having to power down the switch
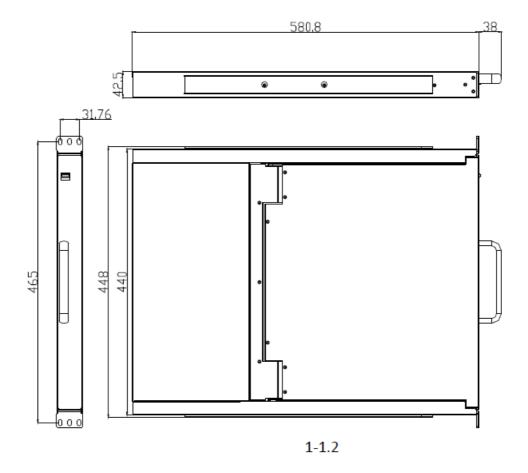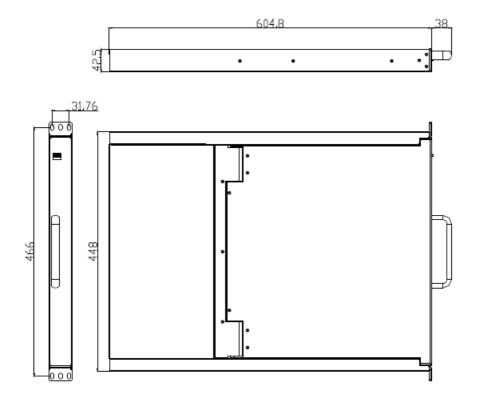
Front View

1-1.1 front view

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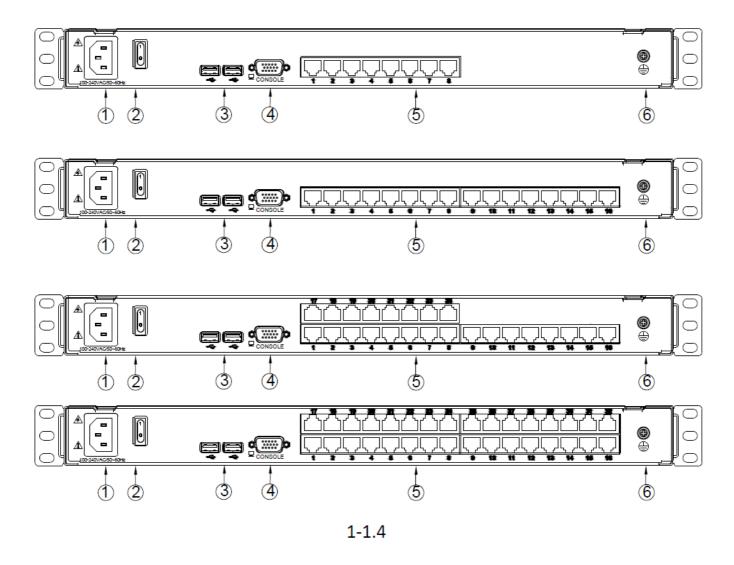9. Display Panel
10. Switch LED

Structure and Size

Structure and Size (17")

580,8
38
42,5
31,76
465
448
440

1-1.2

Structure and Size (19")

604,8
38
42,5
31,76
466
448

Rear View

1-1.4
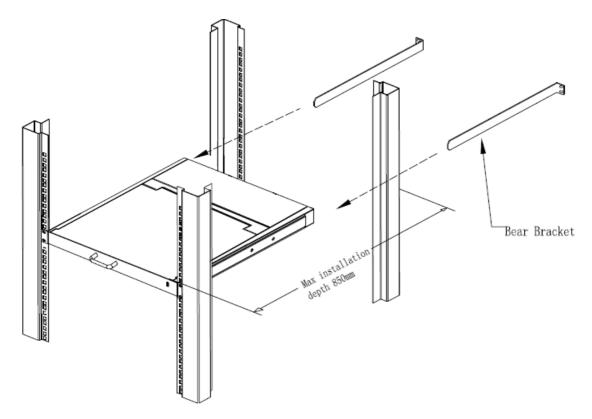
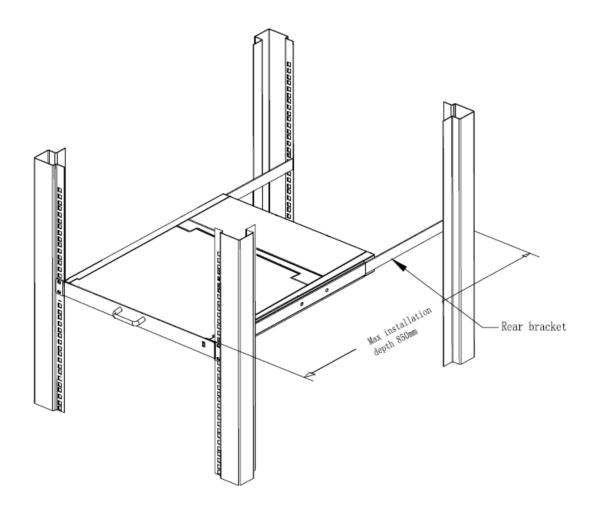| No.	Explanation
1	Power input (AC or DC)
2	Power Switch
3	USB Port
4	Monitor Port
5	PC connecting port
6	Ground connecting screw

Hardware Installation

Rack Mounting

- A standard rack mounting kit is provided to mount the switch in a depth of 600-850mm (17), 716-825mm (19) in a standard 19" rack.
- For other mounting distances, the rear brackets need to be customized accordingly With one person holds 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)
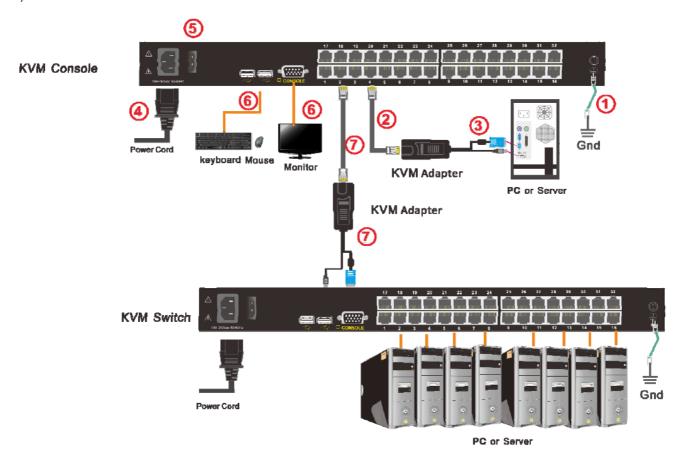
2-1.1 rack mounting (1)

2-1.2 rack mounting (2)

Installation Diagram

1. Make sure the KVM console has been connected to the ground.(①)
2. Connect any available KVM port and KVM adapter with CAT5 cables.(②)
3. Connect the adapter to the KVM and the PC or server(③)
4. Plug the female port of the power cable in the KVM power socket, and plug the male port in the AC power port.(④)

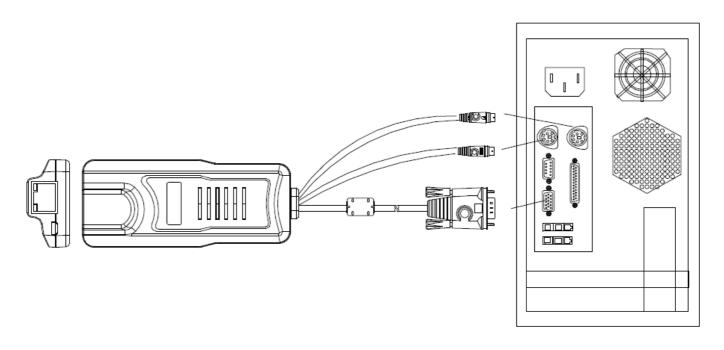2-1.3 Install KVM components

Note:

1. Connect the external USB keyboard, mouse, and monitor according to the(⑥)step in
2. If cascading is required, please connect the KVM console and KVM switch with the adapter (⑦), and the Hotkey needs to be different from the KVM console and KVM switch.

Please check the hotkey setting

1. Turn off Mouse Hotkey function (F4: Tool ->Mouse Hot On)
2. Keyboard hotkey setting (F3: Set -> OSD Hotkey)
   - Caps Lock + Caps Lock
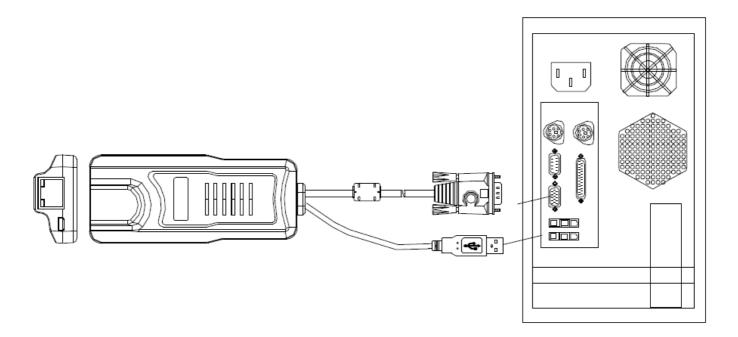   - F12 + F12
   - Ctrl + Ctrl + KVM Hotkey

KVM Adapter
PS/2 Adapter

Model No.	Keyboard/Mouse	PC	Explanation
KCM-1100P	PS/2	VGA	Connect to PS2 / VGA server

USB Adapter
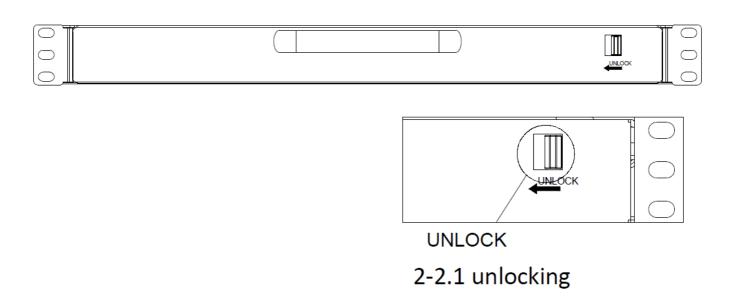
Model No.	Keyboard/Mouse	PC	Explanation
CM-1200U	USB	VGA	Connect to USB/VGA server
KCM-3200H	USB	HDMI	Connect to USB/HDMI server
KCM-2200D	USB	DVI	Connect to USB/DVI server
KCM-4200P	USB	DP	Connect to USB/DP server

Table 1: LED Indicator of the KVM Adapter

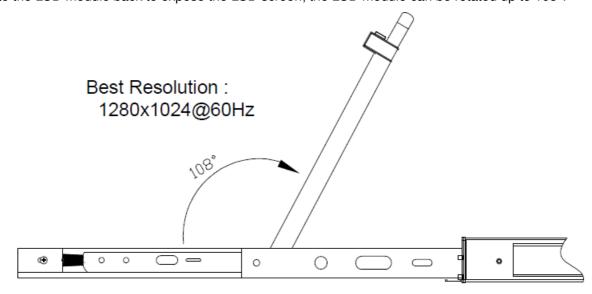| Components	Function	
Green	Online	Indicates that the corresponding host has been connected to the KVM switch and Power On.
Orange	Selected	Indicates that the corresponding host is in use.

Operation

Release the release catch;

UNLOCK

2-2.1 unlocking

Note: The release lock can only do horizontal locking, it can't bear any load.

- Pull the KVM console all the way out until it clicks into place;
- Rotate the LCD module back to expose the LCD screen; the LCD module can be rotated up to 108°.

Best Resolution :
1280x1024@60Hz

108°

2-2.2 open angle of the console

- The KVM makes two "beep" sounds after powering on, an OSD window appears for you to input your username and password.
  - **8 Port /16 Port:** The orange LED and LED tube are flashing before you enter your password.

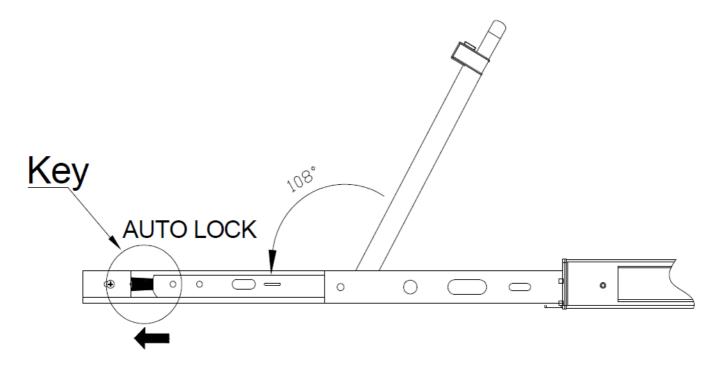- **24 Port /32 Port:** appears on LED tube without a username and password.

2-2.3 password window

- LED panel is powered on when the power LED is green.
- Power on the computer or server after power on the KVM.
    - 8 Port /16 Port: The LED of the connected port is green.
    - 24 Port /32 Port: There is no port LED.
- The factory default password is blank; double-click "Enter "to log in.
- **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 LCD display panel and the power automatically shut down.
- Push the release catch in the direction of the arrow; pull the LED panel all the way in until it automatically locks up.

2-2.4 unlocking the console

LED OSD Configuration

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

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

Press AUTO if the screen migrates after powering on or under other circumstances, then the screen auto-configured to its best display state. (It might not be adjusted to its best state if part of the display mode is not standard VESA mode, if so return back to the OSD menu to RESET, and then it will back to normal. We suggest our customers to set up the display mode at 1280×1024, refresh rate at

LED Operating Instructions

3-1.1 16 Port LED button front view

No.	Components	Function
1	1-16	Switching freely from port 1 to port 16
	Reset	Press 1 and 2 at the same time for three seconds reset the keyboard and mouse
	Scan	Pres s 7 and 8 at the same time for three seconds enter the auto scan mode.
	Brightness ☼	Press 3 for three seconds to enter brightness adjusting mode. 33 are flashing on the LED tube. Then press 5 6 to adjust. Press 3 exits or waits for five seconds and it will auto-exit.
	Definition ◐	Press 4 for three seconds to enter the definition adjusting mode. 44 are flashing on the LED tube. Then press 5 6 to adjust. Press 4 exits or wait for five seconds and it will auto-exit
	Initialize ◐ ☼	Press 6 for three seconds will initialize the brightness and definition of each port.
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

3-1.2   24Port /32 Port LED button front view

No.	Components	Function
1	0~9 +Enter	Switching from port 1 to port 32 Port 8 : If you want to switch to Port 8, press【8】, and the LED light displays ⊡⊟, then press "Enter", you will come to Port 8. Port 32: If you want to switch to Port 32, press 【3】 and 【2】, the LED light displays ∃², and then press "Enter", you will come to Port 32.
2	☼ (+, -)	Adjust Brightness Press ☼, the LED light blinking with 88, and then press "+" and "−"to adjust the brightness.
3	◐ (+, -)	Adjust Definition Press ◐ , the LED light blinking with 00 , and then press "+" and "-"to adjust the definition.
4	Station ID	Display the current port

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.
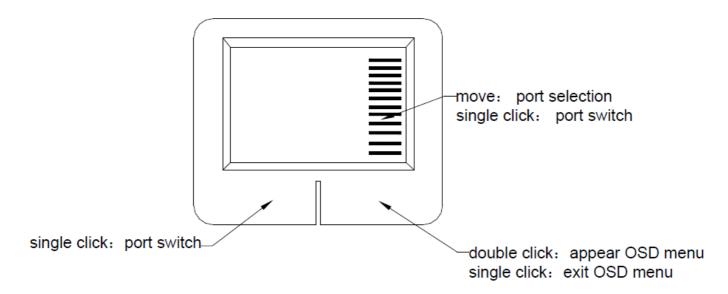
```
ADMINISTRATOR
F1: ADM  F2: Scan   F3: Set   F4: TooL
   SN    $   QV   LK    Name      ⬆
⇨ 01                   SYSTEM
  02                   SYSTEM
  03                   SYSTEM
  04                   SYSTEM
  05                   SYSTEM
  06                   SYSTEM
  07                   SYSTEM
  08                   SYSTEM       ⬇
  GoTo SN ---01            BankSum:01
           F6: Edit F7: QV  F8:Lout
  Tab+Enter: Return UPbank
```

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 the keyboard:

1. In the submenus that appear, move the highlight bar to your selected port and then press Enter.

2. Press any key from 0-9 to enter any port of the current station

To access the OSD menu through the mouse:

move： port selection
single click： port switch

single click： port switch

double click： appear OSD menu
single click： exit OSD menu

Note: Operate via keyboard after invoking the OSD menu via the touchpad.
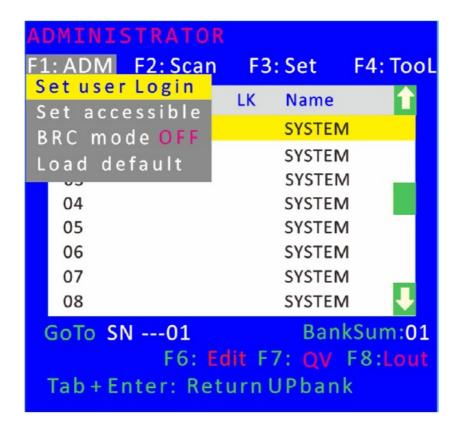
Menu	Keys	Submenu/Explanation
ADM	F1	Set User login-Set User login account and password Set accessible-Set access permissions BRC Mode -monitor multiple computers at the same time Load Default-reset the menu to the original factory default settings
Scan	F2	All-Lists all the ports on the installation Power On-lists are 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 RGB-Press Enter reset RGB Beeper On -press Enter switch Bee sounds Mouse Hot On -press Enter to close the touchpad operating on OSD. Restore Values-press Enter and 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/lock the KVM
Exit	Esc	Press this key to exit the OSD menu
	Scroll Lock	Press this key to exit the OSD menu
	Num Lock	Press this key to exit the OSD menu

The display screen will be distorted if the CAT5 cable is too long, for this case, you can adjust according to the below steps:

1. Press + and ADJ FOCUS will pop up, then press + , - to adjust the definition.
2. Press   and ADJ BRIGHT will pop up, then press   , . to adjust brightness.

Menu Overview

Operating instructions

1. Press F1 or ← → enters the F1 submenus.
2. Press ↑ ↓ moves the highlight bar to select the submenu.
3. Press Enter select and exit the ADM menu.
4. Press Esc cancels the operation and exits the ADM menu.

Menu Explanation

1. Set User Login—Press Enter select Set User Login and a screen as below in diagram **4-1.1 appears:**

   One administrator and four user accounts can be set (The username and password are no more than 16 characters, Press and hold the Shift key to type lowercase letters.)
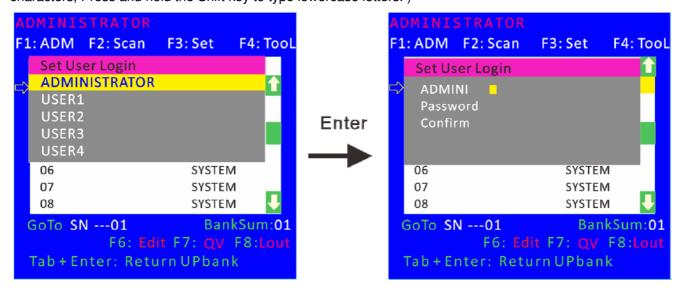
Diagram 4-1.1   Diagram 4-1.2

- **Note:** You can set up an account and password according to diagram 4-1.2, then " 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 Accessible, then the below menu appears: (diagram 4-1.3)
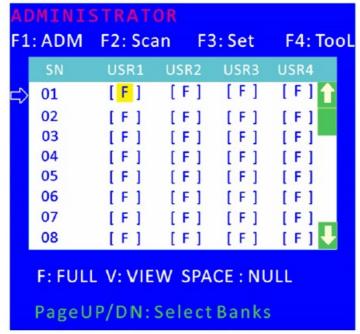

Diagram 4-1.3

Menu	Explanation
FULL	Full access function to the station and can do any 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 be not displayed on the user's OSD menu

- **Note:** The administrator always has full access to all the ports.
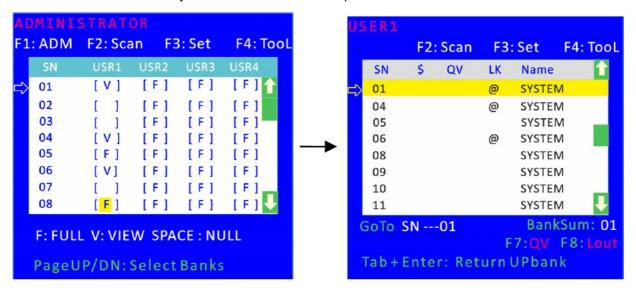
Diagram 4-1.4   Diagram 4-1.5

- **E.g.:**

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, below diagram 4-1.5.

3. BRC Mode Off - Press [Enter] to enter the BRC mode, enter the main menu, press
   - F7 to add or delete a port that needs broadcast function. When BRC mode is affected, a speaker symbol appears in the QV column. (See below diagrams).
   - While BRC mode is in effect, we can synchronously operate multiple computer ports.
   - **Note:** While BRC mode is in effect, the mouse is forbidden to use.

Diagram 4-1.6

Diagram 4-1.7

1. **Open BRC mode**

   F1 ->BRC Mode OFF-> [Enter] -->BRC Mode ON (diagram 4-1.6)

2. **Open the port that needs a broadcast function**

   Press ↑ ↓ key—>select the port that needs broadcast function ⇒ F7 ⇒ a "BC" symbol appears in the QV column which shows the port has entered the 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 -> [Enter] --> BRC Mode OFF, KVM exit BRC mode (diagram 4-1.8)

Press 【F1】 ->BRC Mode OFF ->press 【Enter】 ,enter the main menu, all "#" symbols turn into "BC" symbol (diagram 4-1.7)
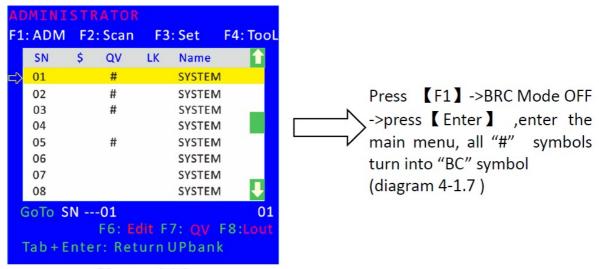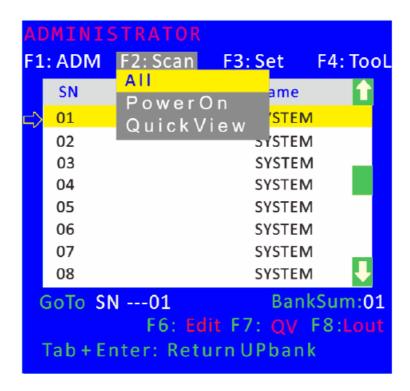
Diagram 4-1.8

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

Menu Overview

Operating instruction

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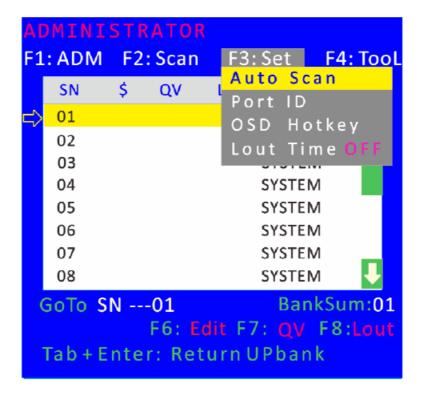4. Press Esc cancels the operation and exits SCAN menu.

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.

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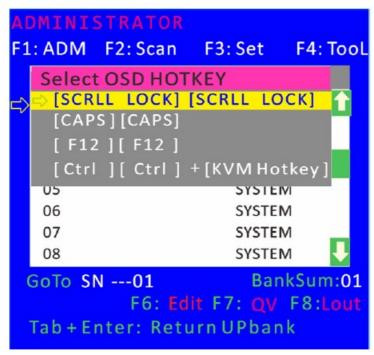4. Press Esc cancels the operation and exits Set menu.

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	0: off 01-99M: set the screen saver timeout, it is automatically logged out if the current operator is no longer operating for a while, then the KVM will be locked and you need to enter a username 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

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

Invoke hotkey: double click L_Ctrl + the corresponding function key

Function	Operating	Function description
Switching port	+2 number keys	Eg.: switch to port 4 by hotkeys L_Ctrl + L_Ctrl + 0 + 4
	+ F1~ F8	Skip ports from 1-8
Invoke OSD main menu	+ "space "	This allows you to invoke the OSD main menu (see OSD menu operation

Menu Overview

Operating instructions

1. Press F4 or ← → enters the F4 submenus.
2. Press ↑ ↓ moves the highlight bar to select the submenu.
3. Press Enter select and exit the Tool menu.
4. Press Esc cancels the operation and exits the Tool menu.

Menu Explanation

Submenu	Instruction
Reset RGB	Restore the video signal to the default value.
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 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 lo
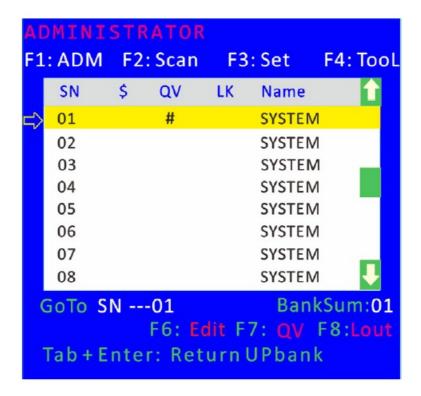
Wercase letters

- All numeric characters: 0-9
- Default value: SYSTEM

F7-Set Quick Viewport

- Select ports with ↑ ↓ keys
- Press F7 to include the current port as Quick View, and then an arrowhead appears in the QV column to indicate so.
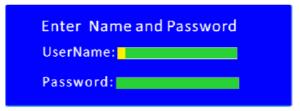
Note:
Press F7 to cancel the QV symbol if the current port has already a QV arrowhead symbol in its QV column; if you want to cancel all the QV functions, press Restore Values under F4:Tool. (The port name restores tothe default setting at the same time.)

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.

Specifications

Specifications(17)

Model		LC1708	LC1716	LC1724	LC1732
Computer connections	Direct	8	16	24	32
	Max	256	512	768	1024
Port emulation	Keyboard, mouse	PS/2 USB			
LCD monitor	LED model	SXGA TFT			
	View area	17 "			
	Optimum resolution	1280×1024@60Hz			
	Display color	16.7 M			
	Brightness	250cd/m² T y p			
	Contrast ratio	1000: 1 T y p			
	Pixel pitch(mm)	0.264(H) × 0.264(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 number pad			
Port selection		pushbuttons, hotkeys, OSD menu			
Input power		100V- 240Vac , 50-60Hz , <1.5A			
Power consumption		19W	20W	21W	22W
Mounting distance		600~850mm (L=420mm) Mounting rails can be customized for other mounting distances .			
Operating temperature		0 — 50 ℃			
Store temperature		-20 —60 ℃			
Humidity		0—80% RH, non-condensing			
Net weight		12.8kg	12.8 kg	13kg	13kg
Product dimension (W × D × H)		448mm×581mm×42.5mm			
Package dimension (W × D × H)		765mm×615mm×185mm			
Optional power input		-36V~ -72V DC			

Specifications (19)

Model		LC1908	LC1916	LC1924	LC1932
Computer connections	Direct	8	16	24	32
	Max	256	512	768	1024
Port emulation	Keyboard, mouse	PS/2 USB			
LCD monitor	LED model	SXGA TFT			
	View area	19″			
	Optimum resolution	1280×1024@60Hz			
	Display color	16.7 M			
	Brightness	250cd/m² Ｔｙｐ			
	Contrast ratio	1000: 1 Ｔｙｐ			
	Pixel pitch(mm)	0.2928(H) × 0.2928(W)			
Mouse	X/Y resolution	>1000 points / inch, 40 points/mm			
	Touchpad with trackball	Eliminates the need for an external mouse			
Keyboard		99 keys 82 keys main keyboard +17 independent small number pad			
Port selection		pushbuttons, hotkeys, OSD menu			
Input power		100V- 240Vac , 50-60Hz , <1.5A			
Power consumption		20W	21W	22W	23W
Mounting distance		716~825mm (L=262mm) Mounting rails can be customized for other mounting distances.			
Operating temperature		0 — 50 ℃			
Store temperature		-20 —60 ℃			
Humidity		0—80% RH, non-condensing			
Net weight		13.4kg	13.4kg	13.6kg	13.6kg
Product dimension (W × D × H)		448mm×605mm×42.5mm			
Package dimension (W × D × H)		765mm*615mm*185mm			

Optional power input	-36V -72V DC

Documents / Resources

Rackmount KVM Console (8 Port / 16 Port/ 24 Port / 32 Port) User Manual www.kinankvm.com all right reserved Shenzhen Kinan Technology Co., Ltd Print date: 2024/07 Version: V5.5	**Kinan LC1719-series Rackmount KVM Console** [pdf] User Manual LC1719-series, LC1719-series Rackmount KVM Console, LC1719-series, Rackmount KVM Console, KVM Console, Console

References

- ▦ **Home - Kinan | Professional & High-quality KVM Switch, KVM Console, KVM over IP**
- **User Manual**