KMC Series User Manual

KMC User Manual

KMC0116/KMC0108/KMC0104
KMC0116 Remote/KMC0108 Remote/KMC0104 Remote
KDP01/KDU01
User Manual
Version 0.8.2 2007-03-28

1   Package Content

Any one of KMC0116/KMC0108/KMC0104/KMC0116 Remote/
KMC0108 Remote/KMC0104 Remote contains the following
items :

- Main switch   1 pcs.
- Power Adaptor   1 pcs.
- CAT5 cable   1 pcs.
- User manual   1 pcs.
- Firmware upgrade Cable   1 pcs.

2   Introduction

The KMC series products deliver a host of new features and
latest technologies, making it another standout in the single
console CAT5 KVM switches. KMC0116/KMC0108/KMC0104
access and control up to 16 computers through 1 set of keyboard,
mouse and monitor console from up to 500 feet away via the
CAT5 cable. The flash upgrade feature allows you to update
software through a standard RS-232 serial port. OSD, Hotkey
and Push button are provided for convenient computer selection
and system maintenance. KDP01 is the computer end dongle
with PS/2 interface. KDU01 is the computer end dongle with
USB interface,
The line of KMC Remote KVM switches support the remote
console.

3   System Requirement
3.1   Console
3.1.1 A VGA monitor may compatible with the highest
resolution that you are using on any computer s
connected to the main switch..

3.1.2 Mouse and Keyboard with PS2 interface
3.2   Computer
3.2.1 With HDB-15 Video port
3.2.2 6-pin Mini-DIN type PS2 mouse and keyboard port, or USB type mouse and keyboard port.

4 KMC0116/KMC0108/KMC0104 (w/ and w/o remote) Front View
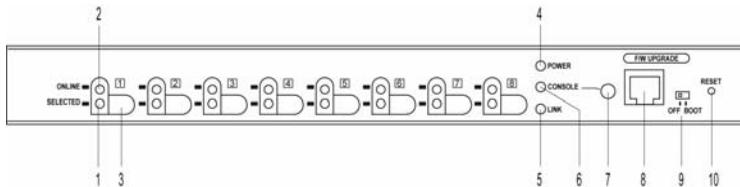
1 Computer Port 1 to 4/8/16 selected LED : Light on to indicate the selection of corresponding connected computer
2 Computer Port 1 to 4/8/16 Online LED : Light on to indicate the power on status of corresponding connected computer
3 Computer Port 1 to 4/8/16 selection button: push and release the button to select a PC
4 Power LED
5 Link LED: light on when the remote console is linked.
6 Console LED: light on when the remote console is selected.
7 Console selection button: push and release button to select between local console and remote console.
8 Firmware Upgrade Connector
9 Firmware upgrade slide switch: Set to BOOT enable the firmware upgrade function. Normally it should be set to OFF.
10 Reset button: push the button to restart the KVM switch

5 KMC0116/KMC0108/KMC0104 (w/ and w/o remote) Rear View
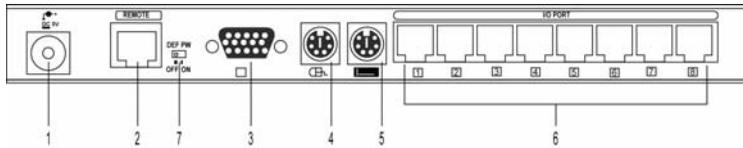
1. DC Adaptor port
2. Remote Console port: RJ45,
3. Console VGA port: HDB-15 female
4. Console PS2 type mouse port
5. Console PS2 type keyboard port
6. Computer port 1 to 4/8/16: RJ45
7. Default Password Switch: When set to ON, the administrator password is reset to default factory password. Normally it should be set to OFF.

6   KDP01 Top View
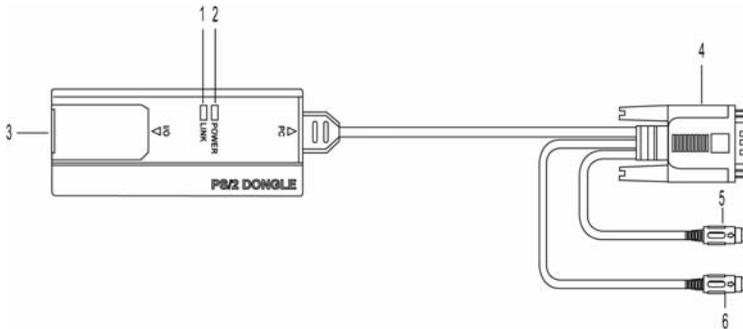
1. Link LED: light on when is connected to KMC main switch
2. Power LED: light on when get power from computer
3. RJ45 port: Plug a Cat5 Cable into this port, plug the other end of this cable into a computer port in the rear panel of a KMC main switch
4. VGA connector: Plug into the computer Video HDB-15 port
5. mouse connector: plug into the computer PS2 mouse

port
6. keyboard connector: plug into the computer PS2 keyboard port

7 KDU01 Top View
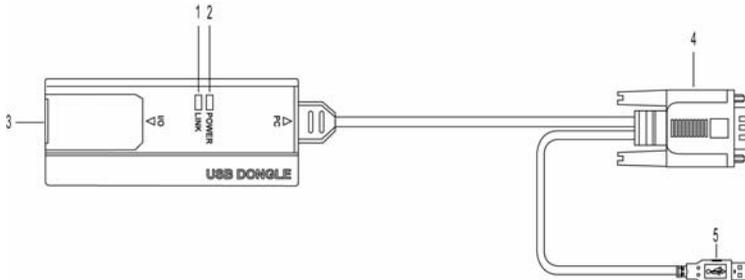
1. Link LED: light on when is connected to KMC main switch
2. Power LED: light on when get power from computer
3. RJ45 port: Plug a Cat5 Cable into this port, plug the other end of this cable into a computer port in the rear panel of a KMC main switch
4. VGA connector: Plug into the computer Video HDB-15 port
5. Mouse connector: plug into the computer USB keyboard & mouse port

8 Installation Description

Refer to installation diagram, to install the system in the following sequence:

1 Connect a PS2 type mouse, a PS2 type keyboard, and a VGA type monitor to the KMC main switch; then power on the monitor.
2 Plug in power adaptor, the power LED will light on.
3 For each computer/ sever that connected to the KMC main switch:
    3.1 Connect the computer with KDP01 or KDU01 depend on the keyboard/ mouse interface.
    3.2 Connect the KDP01 or KDU01 to the KMC main switch using Cat5 cable.

> 3.3   Power on the computer

4   This step could be skipped if your KMC main switch does not support remote console function. Connect remote mouse, remote keyboard, remote VGA type monitor, remote sever, and KMX0102 to the remote console port of KMC Remote main switch. (See KMX0102 user manual for details)

5   A Login OSD will be in the middle of the screen when the main switch is power on. The user need to input the name and password, the default username is 'admin', and default password is [enter], i.e., hit [enter] key after typing 'admin' into the username form.

9   Installation Diagram
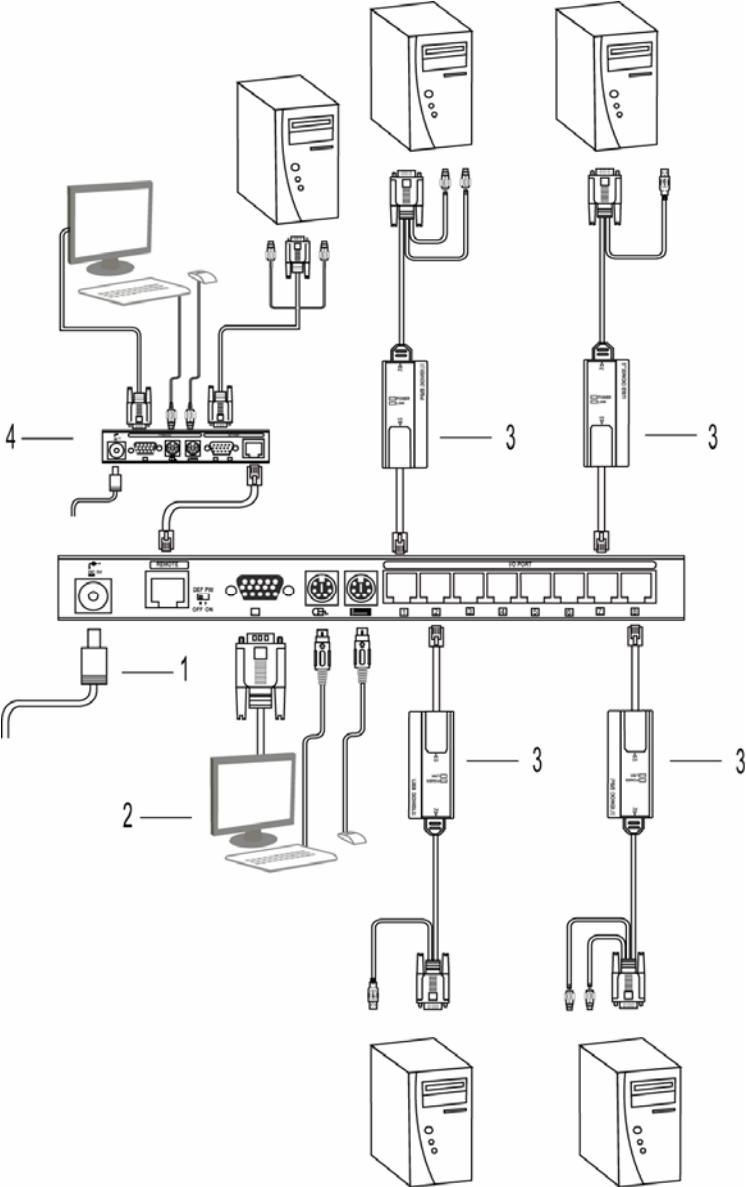
10 Operation

In normal operation,

10.1 Firmware Upgrade Slide Switch should be set to **OFF.**

10.2 Console selection button should be set to **OFF** for local console, and the console LED will NOT light on.

10.3 Follow the power on sequence in installation description section.

10.4 User can manipulate KMC0116/0108/0104 (w/ and w/o remote) via button, slide switch, hotkey or OSD operation.

10.5 Refer to KMC0116/0108/0104 (w/ and w/o remote) front and rear view section for button and switch operation.

11 Hotkey Operation

11.1 The default Hot-key command sets are listed in below table.

Command Function	Key Sequence	Description
Activate or enter OSD mode	[ctrl],[ctrl]	– Enter OSD mode
Exit OSD mode	[ctrl],[ctrl],[Enter]	– Quit OSD mode
Port Switching setting	[ctrl],[ctrl],[n],[enter]	– Switch to computer port n. n = 1~16/8/4.
Enter Auto Scan mode	[ctrl],[ctrl],['S' or 's']	– Start auto-scan. Type 'Esc' or 'Space' will stop the scan
Toggle Beeper setting	[ctrl],[ctrl],['B' or 'b']	– Toggle beeper setting
Toggle Hot-key Head setting	[ctrl],[ctrl],['H' or 'h']	– Toggle hot-key head to [scroll lock], [Scroll lock].

11.2 The alternative Hot-key command sets are listed in below table.

Command Function	Key Sequence	Description
Activate or enter OSD mode	[scroll lock],[scroll lock]	– Enter OSD mode

Exit OSD mode	[scroll lock],[scroll lock],[Enter]	– Quit OSD window
Port Switching setting	[scroll lock],[scroll lock],[n],[enter]	– Switch to port n. n = 1~16/8/4.
Enter Auto Scan mode	[scroll lock],[scroll lock],['S' or 's']	– start auto-scan. Type 'Esc' or 'Space' key will stop the scan
Toggle Beeper setting	[scroll lock],[scroll lock],['B' or 'b']	– Toggle beeper setti
Toggle Hot-key head setting	[scroll lock],[scroll lock], ['H' or 'h']	– Toggle hot-key head to [ctrl], [ctrl].

12 OSD Operation

There are two levels of users on OSD operation: administrator and user. Only administrator can manipulate administrator operation via admin menu. This section only describes user OSD operation. The OSD window can only support keyboard manipulation, do not support any mouse operation.

12.1 Normally in OSD operation, ESC key means quit without execution, Enter key means select and execution.

12.1.1 After getting into OSD mode, user can see a list of ports that the logon user is allowed to access. User can use up and down arrow key, or page up and page down key to move cursor bar among the port list.

12.2 During the port list screen, user can hit the following key

12.2.1 F1: to user menu. Within user menu, user can set his preference of operation and view the station/dongle information.

12.2.2 F2: to Administration menu. See Administrator Operation Section for more details.

12.2.3 F5: to start auto scan

12.2.4 F10: to log out

12.2.5 ESC: to quit OSD

12.2.6 Up and down arrow key to move cursor bar

12.2.7   Enter: to select the port where cursor located and exit OSD

13 Administrator Operation

In Admin menu, there are items can be invoked:

13.1 Set Station Name: max 16 characters

13.2 Set Port Name: max 16 characters

13.3 Set Server Name: max 16 characters

13.4 Add User: max 8 accounts, exclude built-in admin account. Max 16 characters for user name and password

13.5 Delete User

13.6 Set User Access Right: grant access right to the ports of computer

13.7 Firmware Upgrade: to set the station to get into firmware upgrade mode.

14 Sun Keyboard Emulation

PC Keyboard	Sun Keyboard	PC Keyboard	Sun Keyboard
[ctrl],[z]	Help	[ctrl],[8]	Copy
[ctrl],[1]	Stop	[ctrl],[9]	Paste
[ctrl],[2]	Props	[ctrl],[0]	Cut
[ctrl],[5]	Find	Left-Window	Left-meta
[ctrl],[6]	Again	Right-Window	Right-meta
[ctrl],[7]	Undo	Application	Compose

15 Specification:

Product Specifications		KMC0116R	KMC0108R	KMC0104R
Front Panel	Online LED - Red	16	8	4
	Selected LED - Green	16	8	4
	I/O port select button	16	8	4
	Power LED	1 Red LED, Power Indicator		
	Console LED	1 Green LED, Console Indicator		
	Link LED	1 Red/Green LED, Remote Console Link Status		
	Console select button	1 Push Button		
	F/W upgrade port	1 RJ-11, Firmware upgradeable via this port		
	F/W upgrade slide	1 slide switch, Off: normal, Boot: restore F/W		

	switch			
	Reset switch	Reset system		
Back Panel	Power supply	DC 5V, 2A		
	Remote console port	RJ-45, to KMX0102, remote Console switch.		
	Default password Switch	1 slide switch, Off: normal, On: restore to default password		
	Local Console: Monitor Keyboard Mouse	1 VGA HDB-15 pin female 1 PS/2 mini-DIN female 1 PS/2 mini-DIN female		
	I/O ports – RJ45, to computers	16	8	4
Video Resolution		Up to 1600 x 1200@60Hz in 60 meters/200 feet Up to 1280 x 1024@60Hz in 150 meters/500 feet		
Video DDC2B and EDID		Real time supported		
Cable material		CAT5/5E/5+/6		
Cable transmission distance		up to 150 meters/500 feet		
Dimension (W*D*H) mm		265x145x42	265X145X28.5	265X145X28.5
Weight		1200 g	1050g	1010g
Housing		Metal		
Operation and storage parameters	Operation temperature Storage temperature Humidity	32 to 104 deg. F (0~40 deg. C) -4 to 104 deg. F (-20~60 deg. C) 0-80% non-condensing relative humidity		

16 CAT5 cable pin assignment

part no: PB1-01C108-000