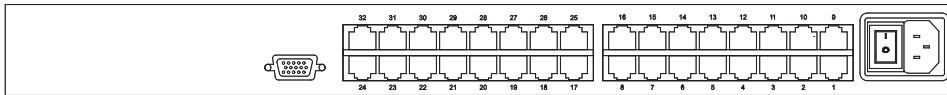


## User Manual - KVM Cat6 Flatracks - 8, 16 & 32 Port Models

### Combo Cat6 KVM



## Legal Information

Information in this document has been carefully checked for accuracy; however, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice. We are not liable for any injury or loss that results from the use of this equipment.

## Safety Instructions

**Please read all of these instructions carefully before you use the device. Save this manual for future reference.**

- Unplug equipment before cleaning. Don't use liquid or spray detergent; use a moist cloth.
- Keep equipment away from excessive humidity and heat. Preferably, keep it in an air-conditioned environment with temperatures not exceeding 40° Celsius (104° Fahrenheit).
- When installing, place the equipment on a sturdy, level surface to prevent it from accidentally falling and causing damage to other equipment or injury to persons nearby.
- When the equipment is in an open position, do not cover, block or in any way obstruct the gap between it and the power supply. Proper air convection is necessary to keep it from overheating.
- Arrange the equipment's power cord in such a way that others won't trip or fall over it.
- If you are using a power cord that didn't ship with the equipment, ensure that it is rated for the voltage and current labeled on the equipment's electrical ratings label. The voltage rating on the cord should be higher than the one listed on the equipment's ratings label.
- Observe all precautions and warnings attached to the equipment.
- If you don't intend on using the equipment for a long time, disconnect it from the power outlet to prevent being damaged by transient over-voltage.
- Keep all liquids away from the equipment to minimize the risk of accidental spillage. Liquid spilled on to the power supply or on other hardware may cause damage, fire or electrical shock.
- Only qualified service personnel should open the chassis. Opening it yourself could damage the equipment and invalidate its warranty.
- If any part of the equipment becomes damaged or stops functioning, have it checked by qualified service personnel.

## What the warranty does not cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
  - Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
  - Repair or attempted repair by anyone not authorized by us.
  - Any damage of the product due to shipment.
  - Removal or installation of the product.
  - Causes external to the product, such as electric power fluctuation or failure.
  - Use of supplies or parts not meeting our specifications.
  - Normal wear and tear.
  - Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

## < Part 1 > Combo Cat6 KVM

- 8 Port	- 16 Port	- 32 Port
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# < Part 2 > Combo Cat6 KVM

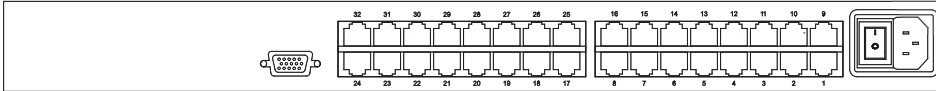
## < 1.1 > Package Contents

## Combo Cat6 KVM

- KVM8-Cat6
- KVM16-Cat6
- KVM32-Cat6

### KVM Rear Kit

back



The power of the KVM rear kit may be changed to external power design based on the LCD console drawer series and model.

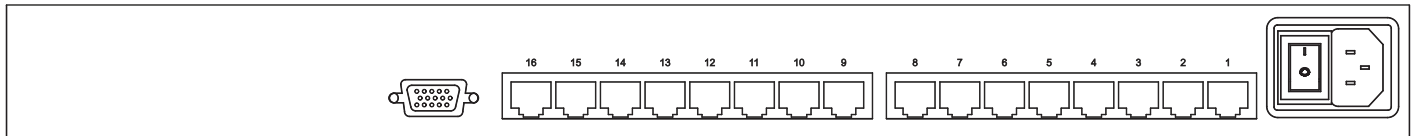
### -KVM8-Cat6



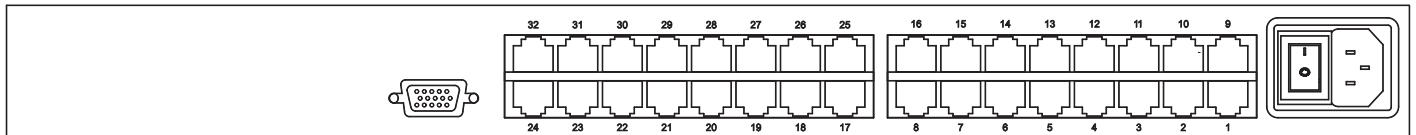
Cascade

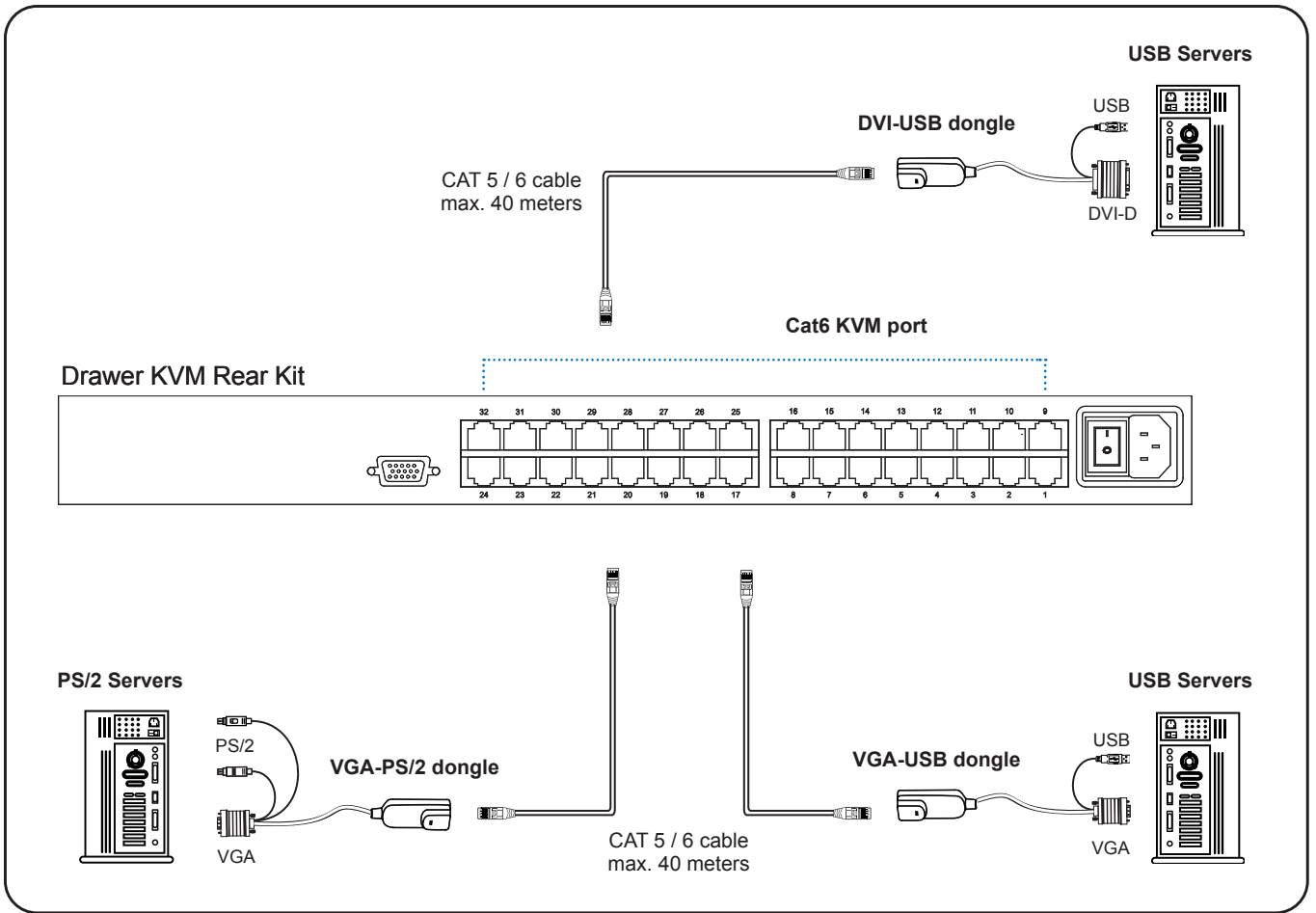
Power

### -KVM16-Cat6



### -KVM32-Cat6





**DVI-USB dongle**

- To connect DVI-D connector to the computer's video card
- To connect USB connector to the computer's USB port



**VGA-USB dongle**

- To connect DB-15 connector to the computer's video card
- To connect USB connector to the computer's USB port



**VGA-PS/2 dongle**

- To connect DB-15 connector to the computer's video card
- To connect PS/2 keyboard connector to the computer's keyboard port
- To connect PS/2 mouse connector to the computer's mouse port

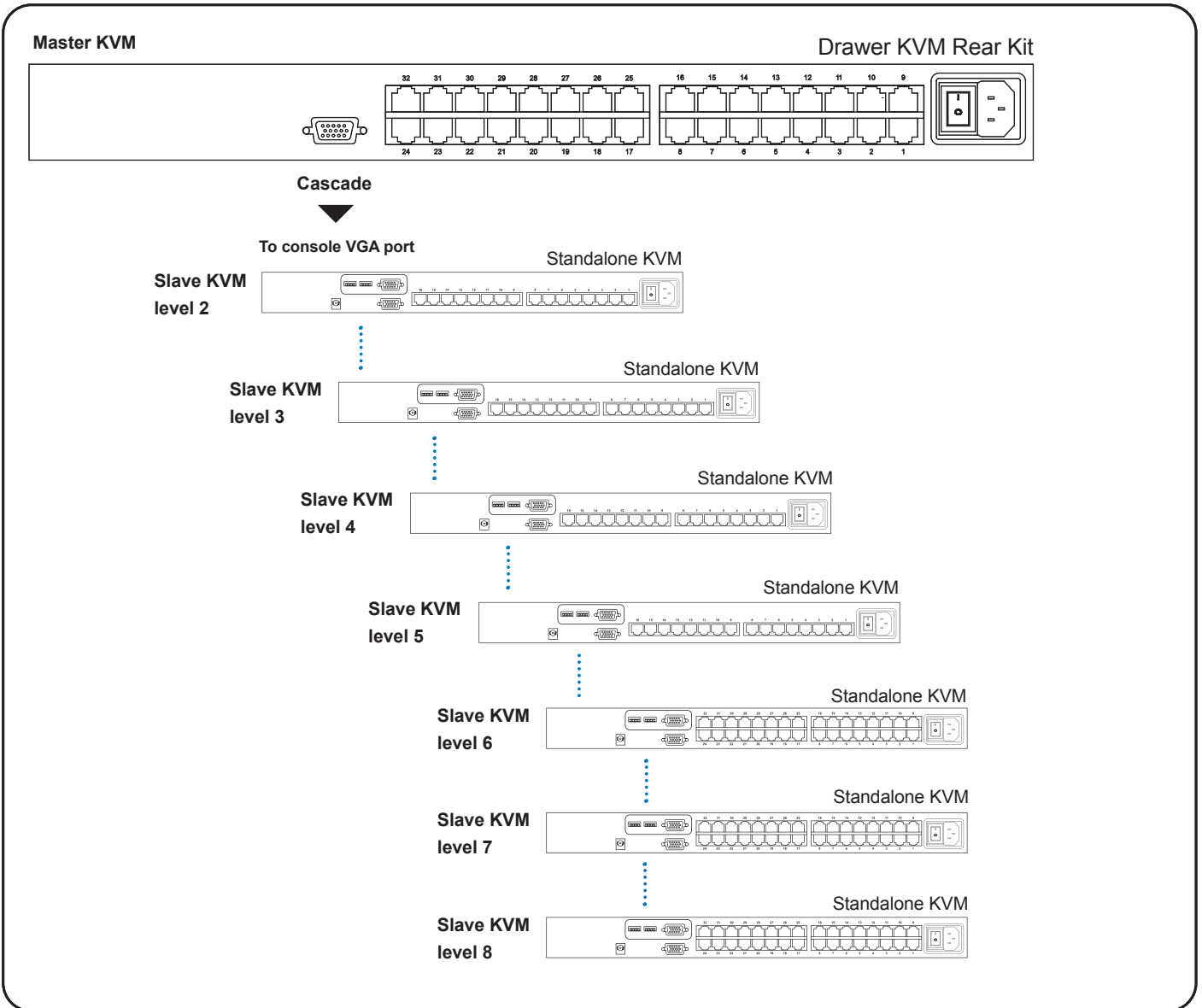
## < 1.3 > KVM Cascade

## Combo Cat6 KVM

- Cascade up to 8 levels, 256 servers
- Cascading multiple KVM with cascade cable.

**!** Cascaded KVMs from level 2 to 8 must be the models of -KVM8-Cat6 / -KVM16-Cat6 / -KVM32-Cat6.

**!** When multiple combo Cat6 KVMs cascade together, the master KVM at level 1 will take all control of other slave KVM switches (e.g. level 2 to 8).



- 6ft Combo KVM cascade cable

	-KVM8-Cat6	-KVM16-Cat6	-KVM32-Cat6
<p>■ <b>KVM Port</b></p> <p>Number of ports: 8, 16 or 32</p> <p>Connector: RJ-45</p> <p>Connectivity: DVI-D / VGA connector dongle up to 40 meters (132 feet) via Cat6 / Cat5 cable</p>			
<p>■ <b>Local Console</b></p> <p>Nil for LCD console drawer version</p>			
<p>■ <b>Management</b></p> <p>Multilingual OSD: English, French, German, Spanish, Italian, Russian, Simplified Chinese, Japanese</p> <p>Hotkey combination: Scroll-lock, Cap-lock, Num-lock, Alt, Ctrl &amp; Win</p> <p>Security: Password enable &amp; disable, up to 8 users profile for port access</p> <p>PC Selection: Front button, OSD menu &amp; hotkey</p>			
<p>■ <b>Expansion:</b></p> <p>Up to 256 servers by 8-level cascade</p>			
<p>■ <b>Compatibility</b></p> <p>Multi-platform: Mix PCs, SUN and Mac G3 / G4 Mac / iMac</p> <p>Support: Windows 7 / Vista / 2003 / XP, Linux, Unix</p>			
<p>■ <b>Power</b></p> <p>Input: 100 or 240V AC at 50 or 60 Hz via IEC type cord OR AC / DC power adapter 12V@3.3A (optional)</p> <p>Option DC: 12V / 24V / 48V DC input</p> <p>Consumption: Max. 24 Watt, Standby 5 Watt</p>			
<p>■ <b>Environmental</b></p> <p>Operating: 0 to 50°C</p> <p>Storage: -5 to 60°C</p> <p>Relative humidity: 90%, non-condensing</p> <p>Shock: 50G peak acceleration (11ms, half-sine wave)</p> <p>Vibration: 58~100Hz / 0.98G (11ms / cycle)</p>			

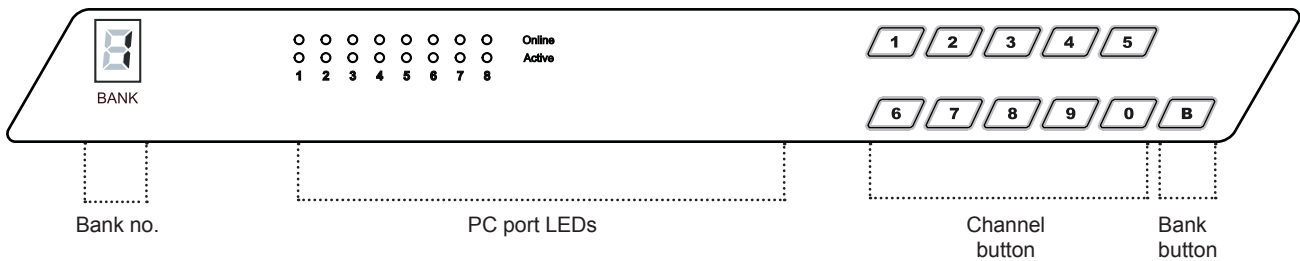
## 2.1 KVM Button

### Power ON

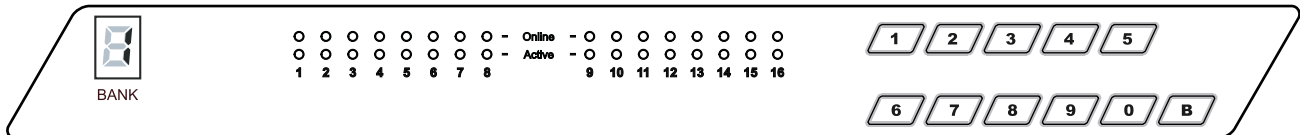
- Turn off all servers and KVM switches
- Make sure all cables / connectors are properly connected
- Recommended Power ON sequence is monitor, KVM switch then computer

### Front Panel - Port LED Indications

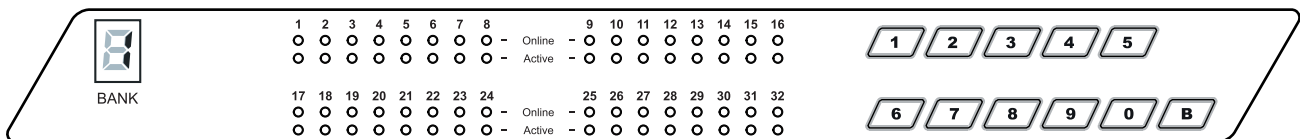
#### 8 ports



#### 16 ports



#### 32 ports



Bank no.	7-Segment BANK LED indication
PC port LEDs	<b>Online</b> : Blue LED on indicating a PC is connecting to the port <b>Active</b> : Green LED on indicating a selected channel
Channel button	Press to select channel from 01 to 32
Bank button	Select the bank from 1 to 8



The password is enabled by default, the default password is “00000000” eight zeros (**Do not use “0” on number pad**)

### ■ Enable password

1. Press the KVM hotkey **Scroll Lock + Scroll Lock + U**
2. Logout the KVM by pressing the hotkey **Scroll Lock + Scroll Lock + P**
3. In SUPERVISOR level, enter “00000000” eight zeros in user name & password field (**Do not use “0” on number pad**)
4. In USER level, press **Space bar + Enter** in user name & password field  
Remark: Automatic logout after 10 minutes of inactivity

### ■ Set your own user name & password

1. Login the KVM in SUPERVISOR level by pressing “00000000” eight zeros in user name & password field
2. Call KVM OSD menu by pressing the KVM hotkey **Scroll Lock + Scroll Lock + Space Bar**
3. Press **F1** to the MAIN MENU
4. Select “USER SECURITY”
5. Set password in SUPERVISOR & USER level
  - a. In the left-top row “S” (SUPERVISOR), press **Enter** to set your own user name & password
  - b. In the row 1 to 8 (USER), press **Enter** to set your own user name & password
6. Press **Enter** to save the setting or press **Esc** to cancel the editing without any change  
Remark: a. Blank has underscore, while SPACE doesn't have
  - b. Press any alphanumeric key to move to next input item. SPACE is treated as a valid character

### ■ Change your password

1. Login the KVM in SUPERVISOR level by pressing your own user name & password
2. Call KVM OSD menu by pressing the KVM hotkey **Scroll Lock + Scroll Lock + Space Bar**
3. Press **F1** to the MAIN MENU
4. Select “USER SECURITY”
5. Change password in SUPERVISOR & USER level
  - a. In the left-top row “S” (SUPERVISOR), press **Enter** to change your user name & password
  - b. In the row 1 to 8 (USER), press **Enter** to change your user name & password
6. Press **Enter** to save the setting or press **Esc** to cancel the editing without any change  
Remark: a. Blank has underscore, while SPACE doesn't have
  - b. Press any alphanumeric key to move to next input item. SPACE is treated as a valid character

### ■ Disable your password

1. Press the KVM hotkey **Scroll Lock + Scroll Lock + U**
2. Logout the KVM by pressing the KVM hotkey **Scroll Lock + Scroll Lock + P**
3. You don't need user name & password to access the KVM OSD menu

### ■ Forget your password

Please contact your supplier for further support



Remark:

- You must press the KVM hotkey within 2 seconds
- A beep sound will be heard for successfully entering the KVM hotkey

**OSD Menu**

PORT NAME	
BANK : 1	
01☼ SYSTEM 01	F1 : MENU
02☼ SYSTEM 02	F2 : LOGOUT
03☼ SYSTEM 03	F3 : PREV
04☼ SYSTEM 04	ESC : QUIT
05☼ SYSTEM 05	ENTER : COMPLETE
06☼ SYSTEM 06	↑/↓ : SELECT
07☼ SYSTEM 07	PgUp/PgDn : BANK SELECT
08☼ SYSTEM 08	
USER : SUPERVISOR	
SCAN TIME : 10 SEC FW1V3	

**OSD operation**

 next to the system name	The PC is powered on
 next to the system name	The PC is selected
<b>F1</b>	Access F1 MAIN MENU
<b>F2</b>	Logout the OSD menu
<b>F3</b>	Previous menu
<b>Esc</b>	Cancel / Quit
<b>Enter</b>	Complete / Switch to selected port
<b>↑/↓</b>	Switch to previous or next port
<b>PgUp/PgDn</b>	Switch to previous bank or next bank
<b>1 / 2 / 3 / 4</b>	Display port 01 ~ 08 / 09 ~ 16 / 17 ~ 24 / 25 ~ 32 Remark: Display port 17 ~ 32 for 32 port model only

**F1 Main Menu**

MAIN MENU	
SELECT OPTION :	
01	LANGUAGE
02	PORT NAME EDIT
03	PORT SEARCH
04	USER SECURITY
05	ACCESS LIST
06	HOTKEY
07	TIME SETTINGS
08	OSD MOUSE

01 LANGUAGE	OSD language change
02 PORT NAME EDIT	Define port name
03 PORT SEARCH	Quick searching by port name
04 USER SECURITY	Change password
05 ACCESS LIST	Define user access authority
06 HOTKEY	Change hotkey
07 TIME SETTINGS	Modify scan display time interval
08 OSD MOUSE	Modify OSD mouse speed

Local Console Hotkey	Function
Scroll Lock + Scroll Lock + Space Bar	Calling OSD menu
Right-button mouse + Esc	Calling OSD menu
Scroll Lock + Scroll Lock + ↑	Switch to previous port
Scroll Lock + Scroll Lock + ↓	Switch to next port
Scroll Lock + Scroll Lock + PgUp / PgDn	Switch to previous bank or next bank
Scroll Lock + Scroll Lock + Bank no. + Port no.	Switch to specific port
Scroll Lock + Scroll Lock + B	Turn the buzzer ON and OFF * Default the buzzer is ON
Scroll Lock + Scroll Lock + P	Logout the KVM if password security is ON. Show up the status windows

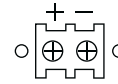
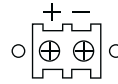
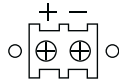
**Advance hotkeys (for Supervisor login only)**

Scroll Lock + Scroll Lock + S	Activate auto-scan mode for connected servers *Press any key to exit the auto-scan mode
Scroll Lock + Scroll Lock + R	Reset all the KVM settings to factory default *Except User Security settings
Scroll Lock + Scroll Lock + U	Disable and enable password security *Default security is ON
Scroll Lock + Scroll Lock + L	To enable / disable the screen saving function and 10 minutes auto-logout *Default the screen saving is OFF

**Remarks:**

- Example of “Scroll Lock + Scroll Lock + Bank no. + Port no.”
  - Bank No. : 1 to 8
  - Port No. : 01 to 32
  - e.g. Bank 1 Port 4 : **Scroll Lock + Scroll Lock + 1 + 0 + 4**
  - e.g. Bank 2 Port 16 : **Scroll Lock + Scroll Lock + 2 + 1 + 6**
- You must press the hotkey within 2 seconds
- A beep will be heard on successful activation
- The numeric keypad is not supported, while in OSD screen, the arrow keys, PgUp, PgDn, and Enter keys are supported

Remote Console Hotkey	Function
Scroll Lock + Scroll Lock + C	Toggle switch between remote & local port
Scroll Lock + Scroll Lock + Q	Turn the buzzer ON & OFF *Default the buzzer is ON
Scroll Lock + Scroll Lock + S	Activate auto-scan mode for remote & local port *The scan time interval is 5 seconds
Scroll Lock + Scroll Lock + A	Auto-adjust the video signal



Model	12V	24V	48V
<b>Input rating</b>			
Input voltage:	12-Volt	24-Volt	48-Volt
Input range:	9 ~ 18V	18 ~ 36V	36 ~ 75V
Input current			
- No load	50 mA	50 mA	50 mA
- Full load	4950 mA	2450 mA	1220 mA
<b>Output rating</b>			
Output voltage:	12-Volt	12-Volt	12-Volt
Output current:	4.16A	4.16A	4.16A
<b>Efficiency</b>	84%	85%	85%

**Remarks:**

- Package does not include power cord

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