CyberView™ ^{TM} dedicated KVM switch and rackmount screen technology

User Manual - KVM Rear Kit Version
for LCD Console Drawer

PS/2 DB-15 KVM

- 801

back

8 7 6 5 4 3 2 1

751
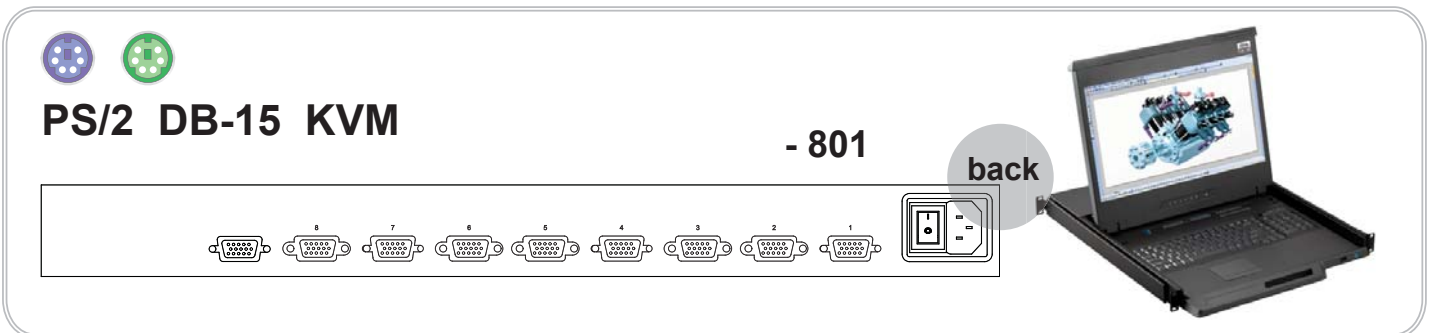
Designed and manufactured by Austin Hughes

Legal Information

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 40º Celsius (104º Fahrenheit).

■ When installing, place the equipment on a sturdy, level surface to prevent it from accidentally falling and causing dam age 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 dam aged 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 invali date 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.

Regulatory Notices Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential instal-lation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

■ Re-position or relocate the receiving antenna.

■ Increase the separation between the equipment and receiver.

■ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Contents

-801

KVM Rear Kit

back

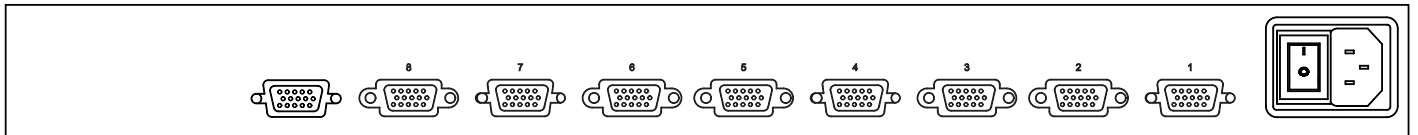⚠ **The power of the KVM rear kit may be changed to external power design based on the LCD console drawer series and model.**

-801

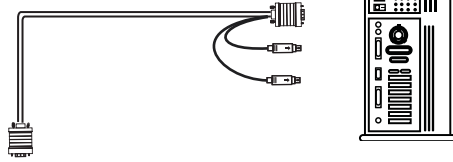Cascade   Power
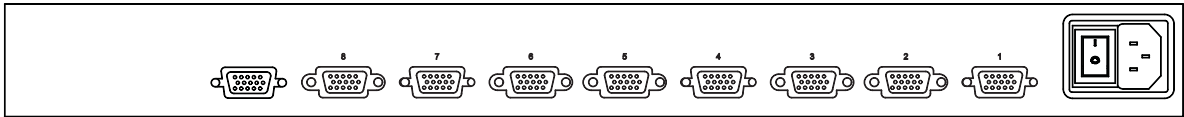
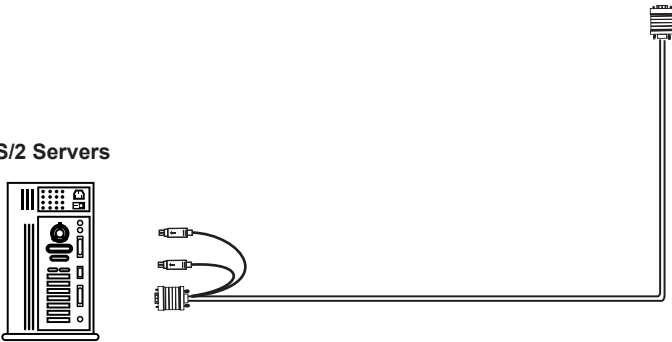## CD-6 / CD-10 / CD-15

■ 6 / 10 / 15 ft PS/2 KVM cable
■ Support PS/2 server

PS/2 Servers

DB-15 PS/2 KVM port

Drawer KVM Rear Kit

8 7 6 5 4 3 2 1

PS/2 Servers

■ Cascade up to 8 levels, 64 servers
■ Cascading multiple KVM with CBC-6 cascade cable.

⚠ **Cascaded KVMs from level 2 to 8 must be the models of CV-801.**

⚠ **When multiple PS/2 DB-15 KVMs cascade together, the master KVM at level 1 will take all control of other slave KVM switches (e.g. level 2 to 8).**
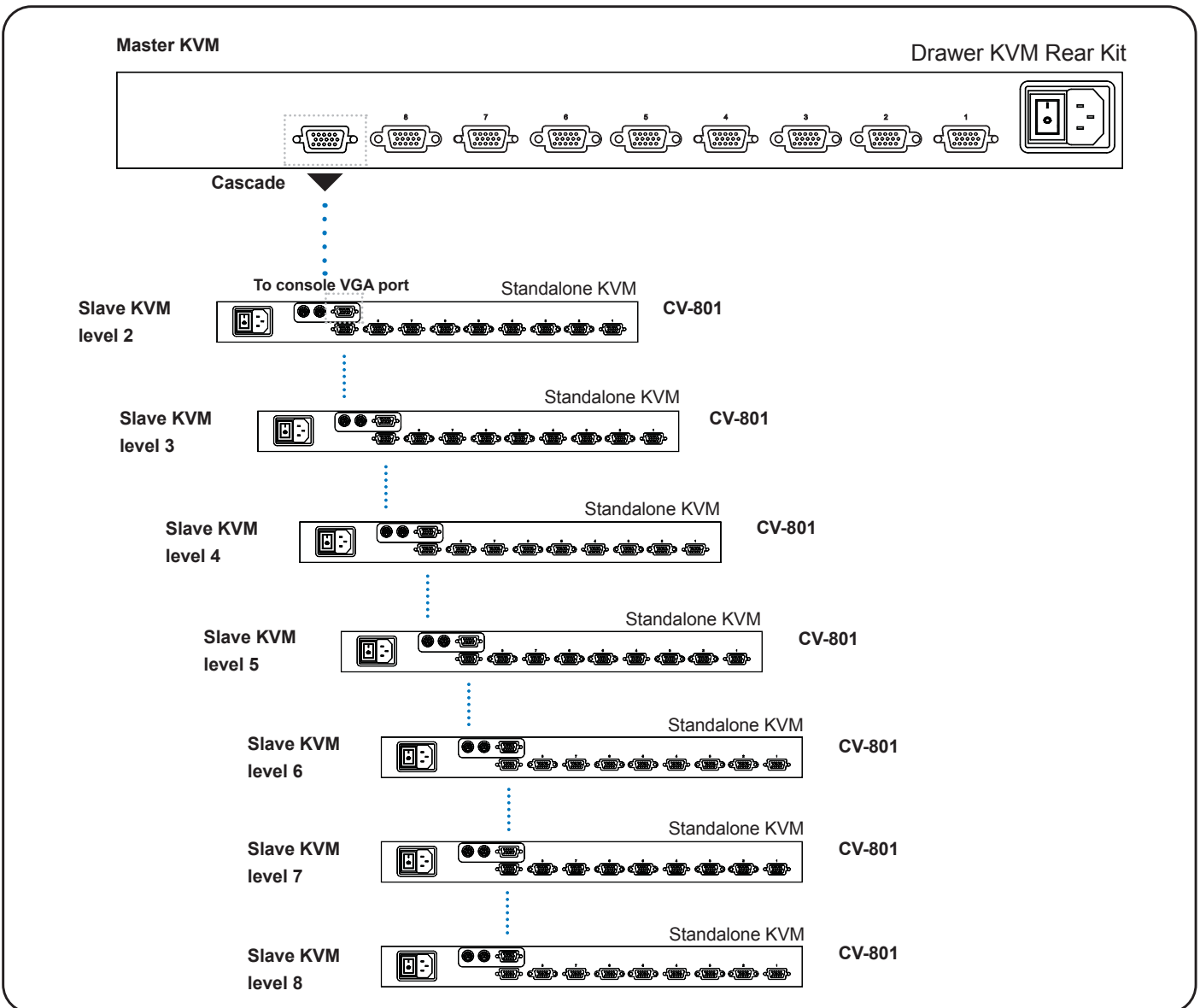
CBC-6
■ 6ft Combo KVM cascade cable

- 801	
■ **KVM Port**	
Number of ports :	8
Connector :	DB-15 combo connector
Connectivity :	PS/2 3-in-1 KVM cable, up to 6, 10 & 15 feet
■ **Local Console :**	Nil for LCD console drawer version
■ **Management**	
OSD :	English
Hotkey :	Scroll-lock
Security :	Password enable & disable
PC Selection :	Front button, OSD menu & hotkey
■ **Expansion:**	Up to 64 servers by 8-level cascade
■ **Compatibility**	
Hardware :	HP / IBM / Dell PC, Server and Blade Server SUN / Mac
OS Support :	Windows / Linux / Unix / Mac OS
■ **Power**	
Input :	Auto sensing 100 to 240VAC, 50 / 60 Hz
Option DC :	12V / 24V / 48V / 125V / 250V DC input
Consumption :	Max. 12W
■ **Regulatory**	
Safety :	FCC & CE certified
Environment :	RoHS2 & REACH compliant

| ■ **Environmental**	**Operating**	**Storage / Non-operating**
Temperature :	0 to 55°C degree	-20 to 60°C degree
Humidity :	20~90%, non-condensing	5~90%, non-condensing
Altitude :	16,000 ft	40,000 ft
Shock :	-	10G acceleration (11ms duration)
Vibration :	-	5~500Hz 1G RMS random

2.1   KVM Button

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

Front Panel - Port LED Indications

PS/2 DB-15 KVM 8 ports
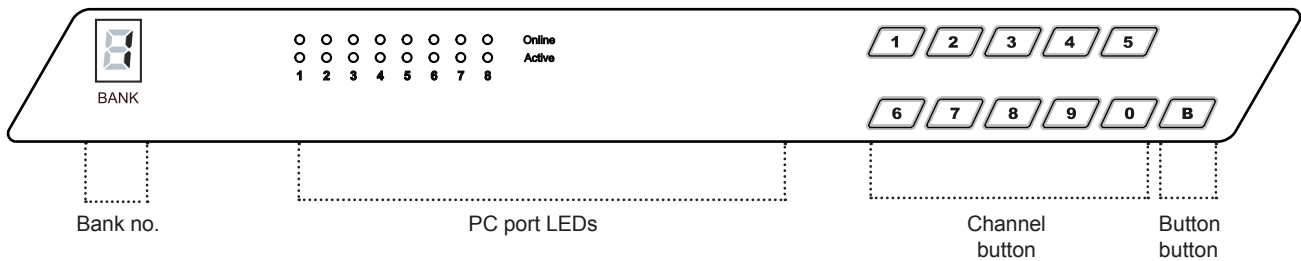
Bank no.	7-Segment BANK LED indication
PC port LEDs	*Online* : **Blue** LED on indicating a PC is connecting to the port
	Active : **Green** LED on indicating a selected channel
Channel button	Press to select channel from 01 to 08

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

■ **Set your own user name & password**
1. Call KVM OSD menu by pressing the KVM hotkey **Scroll Lock + Scroll Lock + Space Bar**
2. Select "CHANGE PASSWORD"
3. Enter "00000000" eight zeros in password field
   (Do not use "0" on number pad)
4. Set your own password in "ENTER NEW PASSWORD" field
5. Retype your own new password in "RETYPE NEW PASSWORD" field

  Remark: a. Blank has underscore. SPACE does not have underscore.
     b. Press any alphanumeric key to move to next input item.

■ **Change your password**
1. Call KVM OSD menu by pressing the KVM hotkey **Scroll Lock + Scroll Lock + Space Bar**
2. Select "CHANGE PASSWORD"
3. Enter your own password
4. Change your password in "ENTER NEW PASSWORD" field
5. Retype your new password in "RETYPE NEW PASSWORD" field

   Remark: a. Blank has underscore. SPACE does not have underscore.
      b. Press any alphanumeric key to move to next input item.

■ **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 successful entering KVM hotkey

OSD Menu

```
PORT   NAME

BANK : 1                         F1 : MENU
01☼ SYSTEM      01☜            F2 : LOGOUT
02☼ SYSTEM      02              F3 : PREV
03☼ SYSTEM      03              ESC : QUIT
04☼ SYSTEM      04              ENTER : COMPLETE
05☼ SYSTEM      05              ⬆/⬇ : SELECT
06☼ SYSTEM      06              PgUp/PgDn :
07☼ SYSTEM      07              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
F1		Access F1 MAIN MENU
F2		Logout the OSD menu
F3		Previous menu
Esc		Cancel / Quit
Enter		Complete / Switch to selected port
⬆/⬇		Switch to previous or next port
PgUp/PgDn		Switch to previous bank or next bank
1 / 2 / 3 / 4		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                          ☜ X
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 16
  - 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 sound will be heard for successful entering

■ The numeric keypad is not supported, while in OSD screen, the arrow keys, PgUp, PgDn, and Enter keys are supports
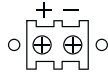
Model	12V	24V	48V	125V	250V
Input rating					
Input voltage:	12-Volt	24-Volt	48-Volt	110-Volt	300-Volt
Input range:	9 ~ 18V	18 ~ 36V	36 ~ 75V	66 ~ 160V	180 ~ 425V
Input current					
- No load	50 mA	50 mA	50 mA	35 mA	10 mA
- Full load	4950 mA	2450 mA	1220 mA	749 mA	600 mA
Output rating					
Output voltage:	12-Volt	12-Volt	12-Volt	12-Volt	12-Volt
Output current:	4.16A	4.16A	4.16A	6.25A	12.5A
Efficiency	84%	85%	85%	91%	86%

*** **For DC power option :**
(1) **If the unit with LCD,** earthing **may be required** ⚠
(2) **DC power excludes AC power cord.**

The company reserves the right to modify product specifications without prior notice and assumes no responsibility for any error which may appear in this publication.

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