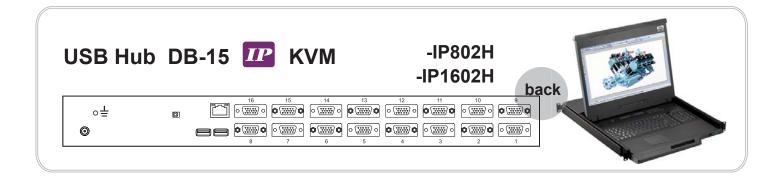
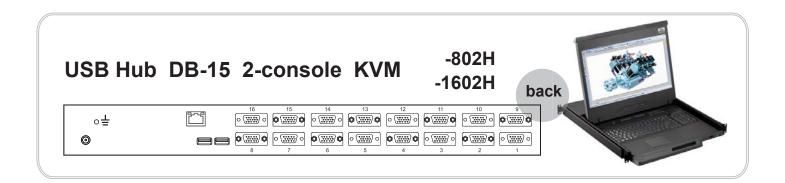
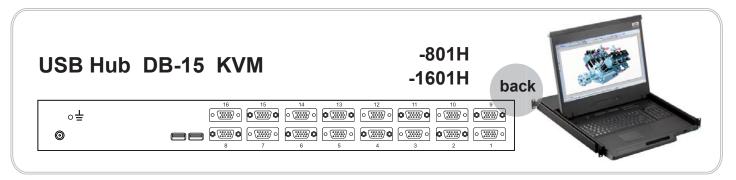
User Manual - KVM Rear Kit Version for LCD Console Drawer







751

Legal Information

First English printing, October 2002

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

□ Normal wear and tear.

- 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.

- ☐ 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 installation.

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

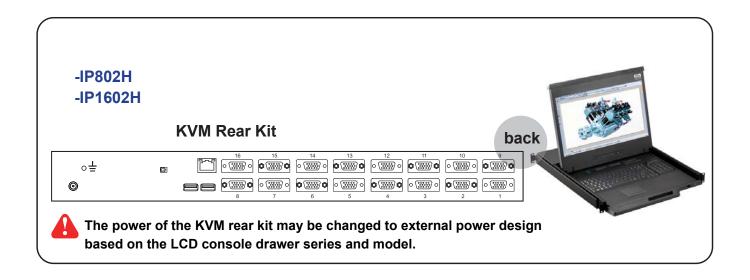
< Part 1 > USB Hub DB-15 P 2-console KVM -IP802H -IP1602H 1.1 Package contents P.1 1.2 KVM port connection P.2 1.3 IP console connection P.3 1.4 IP console setting P.4 Important Preconfiguration for IP console 1.5 P.5 - 7 Built-in USB hub usage & connection 1.6 P.8 1.7 **Specifications** P.9 < Part 2 > USB Hub DB-15 2-console KVM -802H -1602H 2.1 Package contents P.10 2.2 P.11 KVM port connection Remote console connection P.12 - 13 2.3 P.14 2.4 Built-in USB hub usage & connection P.15 2.5 **Specifications** < Part 3 > USB Hub DB-15 KVM -801H -1601H 3.1 Package contents P.16 3.2 KVM port connection P.17 3.3 Built-in USB hub usage & connection P.18 3.4 **Specifications** P.19 < Part 4 > Usage 4.1 **KVM** Button P.20 4.2 Password P.21 4.3 **KVM OSD** P.22 4.4 KVM Hotkey & Remote Console Hotkey P.23

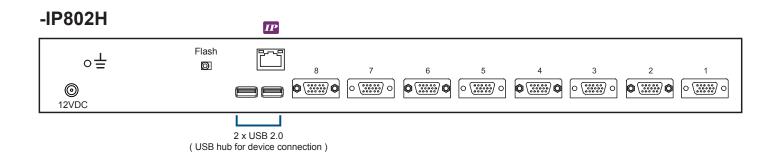
DC Power Option: 12V / 24V / 48V / 125V / 250V

P.24

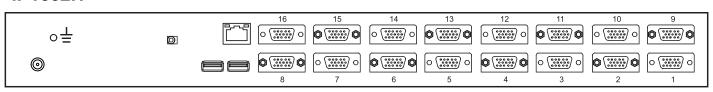
4.5

USB Hub DB-15 IP KVM

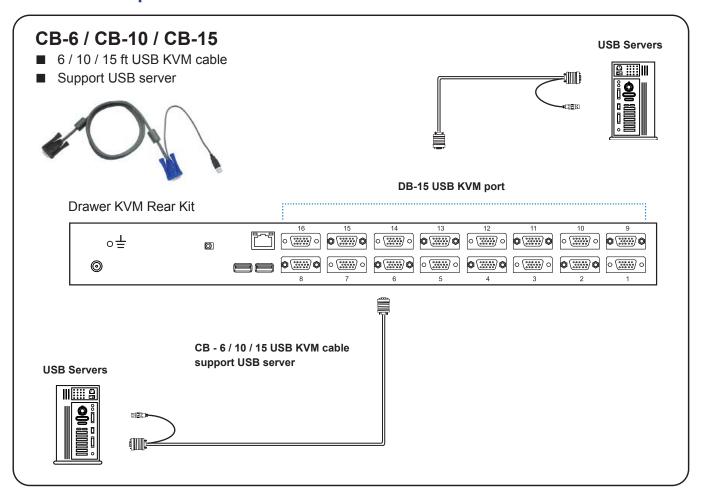


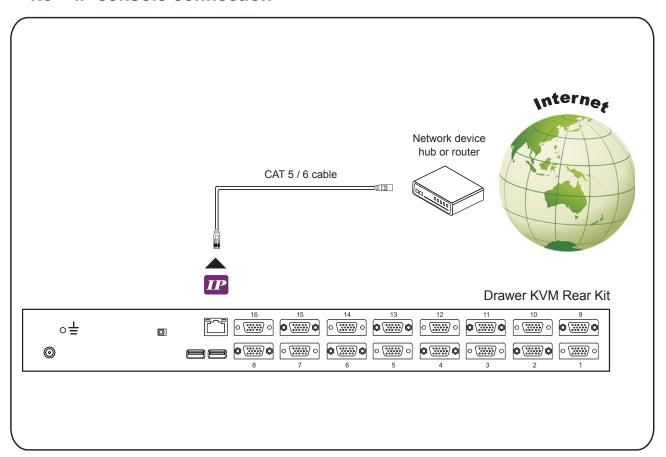


-IP1602H



Daisy-chain feature for this model is NOT available.





IP Console

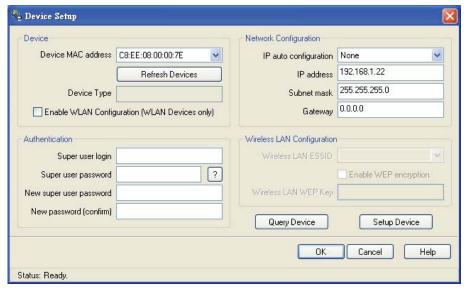
Resolution Support	Frequency (Hz)	
1600 x 1200	60	
1280 x 1024	60	
1024 x 768	60 / 70 / 75	

After the cable connection, please take the following steps to configure the IP KVM:

1. Download IPKVMsetup.exe from the link:

www.austin-hughes.com/support/utilities/cyberview/IPKVMsetup.exe

2. Double click IPKVMsetup.exe to configure the IP KVM by device setup as below.



- 3. Click Refresh Device to search the connected IP KVM
- 4. Select the M.A.C. address, which you want to setup, then click Query Device
- 5. Enter Super user login. The default is super
- 6. Enter Super user password. The default is pass
- 7. Enter the new super user password
- 8. Re-enter the new password
- 9. Change the desired IP address / Subnet mask / Gateway, then click Setup Device to confirm the setting to IP KVM
- 10. The default address is as below:--
- The single IP KVM model, such as IP-1602H http://192.168.1.22
- 11. Open Internet Explorer (I.E.), version 6.0 or above
- 12. Enter the IP KVM address into the address bar
 - For Single IP http://192.168.1.22
- Enter username (default is super)
 Password (default is pass)



14. After successful login to IP KVM, the user will enter the main page of IP KVM



The setting is enough for intranet.

If the users access KVM GUI via internet, please ask MIS for assistance and download IP KVM user manual from the link :

www.austin-hughes.com/support/usermanual/cyberview/UM-CV-IP.pdf

< 1.5 > Important Preconfiguration for IP console

USB Hub DB-15 IP KVM



You must complete the following tasks after the IP console setting is performed.

(1) TARGET SERVER SETUP **Servers connected to KVM

Resolution

The IP KVM remote console recognizes several varieties of video display formats with resolutions up to 1600 x 1200 @60Hz. (Refer to the User Manual for a list of supported video formats). Minimize bandwidth by setting the target server's video resolution to the minimum setting required for your remote monitoring application.

The following video modes are recommended:

- (i) 1024 x 768 @ 60Hz
- (ii) 1280 x 1024 @ 60Hz

On a Windows target server system, select Control Panel > Display > Settings. Modify the screen resolution value as necessary.

Mouse

Use generic mouse drivers for optimum mouse control during remote sessions. Set the mouse pointer speed to a middle setting with no acceleration or snap-to effects.

On a Windows target server system, select Control Panel > Mouse > Pointer Options Set the pointer speed to medium and disable Enhanced pointer precision

For Linux GUIs, set the mouse acceleration to exactly 1 and the threshold to exactly 1.



If your keyboard keeps repeating keys when it is plugged into the KVM. Please follow either one below :

(a.)

Enable key release timeout if you experience duplicated keystrokes during poor network performance.

- login to IP KVM remote console
- go to Interfaces KVM settings > Keyboard / Mouse
- click the Key Release Timeout
- adjust Timeout after if necessary

(b.)

Reduce video bandwidth usage if you experience duplicated keystrokes during poor network

- login to IP KVM remote console
- go to Interfaces KVM Settings > User Console > Transmission Encoding,
- select Manually
- adjust Compression to [0-none] and Color depth to [8-bit 256 col]

(2) REMOTE CLIENT COMPUTER SETUP

The remote client computer must have a web browser (such as Microsoft Internet Explorer, Mozilla Firefox, and Netscape Navigator) and a Java Virtual Machine (version 1.4 or higher) installed. Enable Java on the web browser.



JAVA Update for IP KVM

Due to the latest update from Java security, customer may face the "JAVA Block" message while accessing the remote console over IP as below:

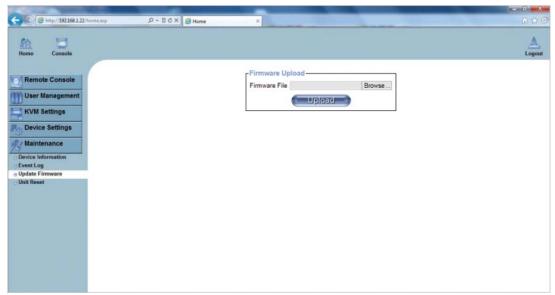


If it said so, please download the latest IP KVM firmware (version aust-i11-150608) from the link below : http://www.austin-hughes.com/resources/software/kvm-switch

Then follow the attached steps to update the firmware.

Firmware Update Steps

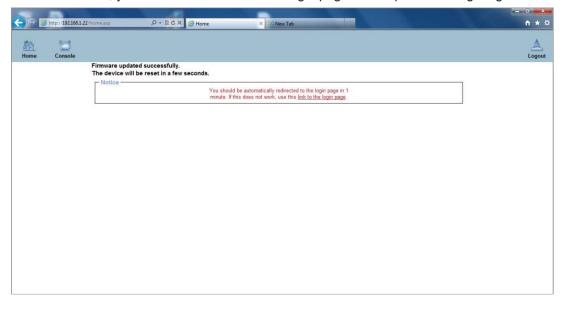
- 1) Download the latest IP KVM firmware (version aust-i11-150608) from the link http://www.austin-hughes.com/resources/software/kvm-switch
- 2) Login the IP KVM
- 3) Click < Update Firmware >
- 4) Click < Browse > to select the firmware file
- 5) Click < Upload >



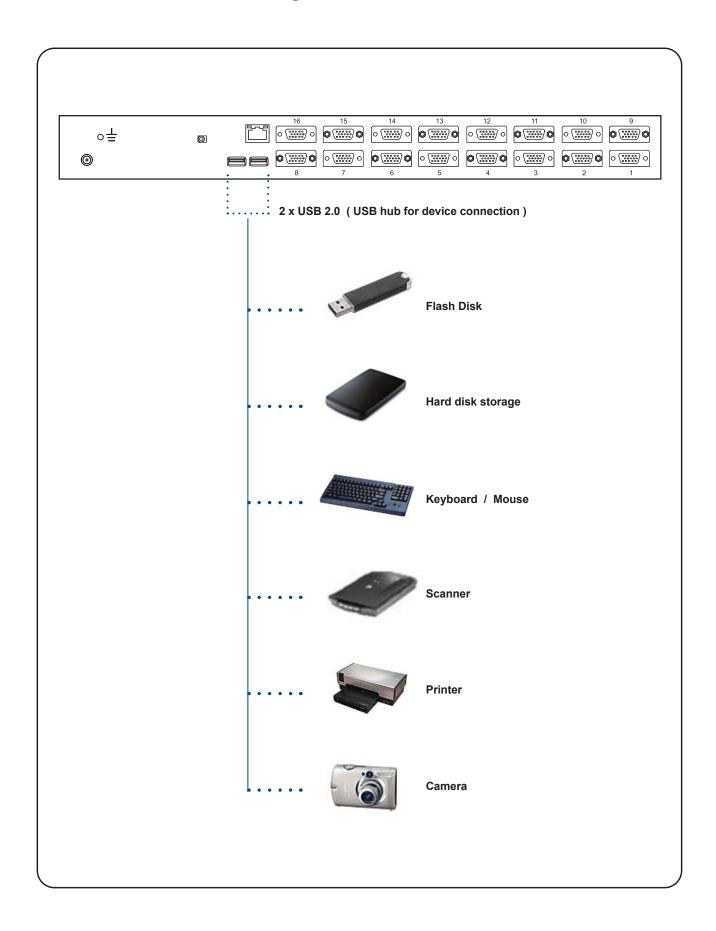
6) Click < Update >



After the firmware has been updated, IP KVM will reset automatically. After one minute, you will be redirected to the Login page and requested to login again.

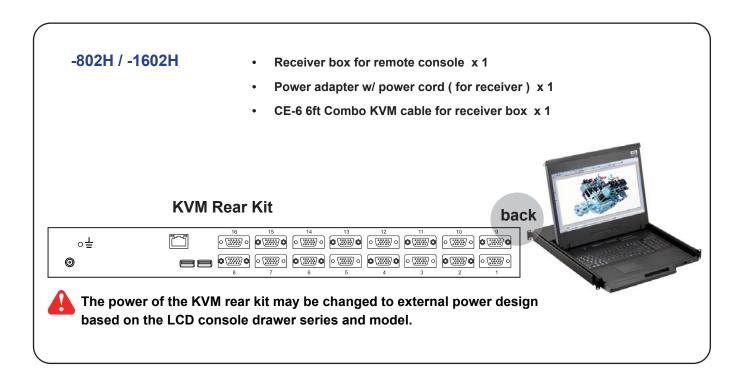


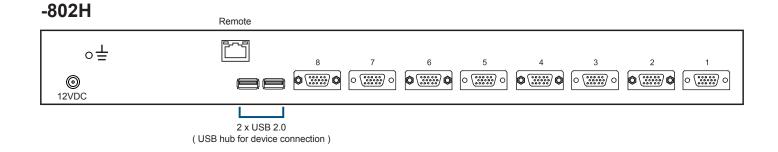
- Completed



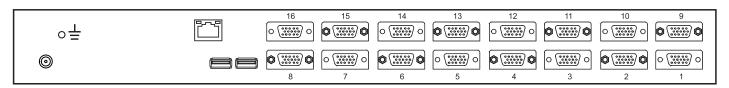
< 1.7 > Specifications

		-IP802H -IP1	602H	
	KVM Port			
	Number of ports :	8 or 16		
	Connector:	DB-15 combo connector		
	Connectivity:	Combo 2-in-1 VGA + USB KVM	cable, 6, 10 or 15 feet	
	Local Console :	Nil for LCD console drawer versi	ion	
-	USB Hub :	2 x USB type A for sharing other	peripheral devices among the computers	
	IP Remote Console			
	Connector:	RJ45 Ethernet		
	User management :	15-user login, 1 x active user		
	Network protocol:	DHCP / BOOTP / DNS		
	Security:	SSL v3, RSA, AES, HTTP / HTT	Ps, CSR	
	Browser:	IE, Firefox, Safari, Netscape		
	Resolution support :	4:3 - max. 1600 x 1200		
	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. 18W		
	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	



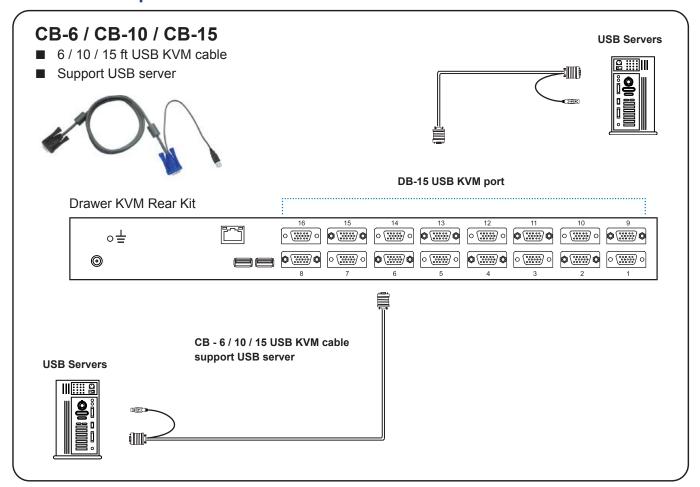


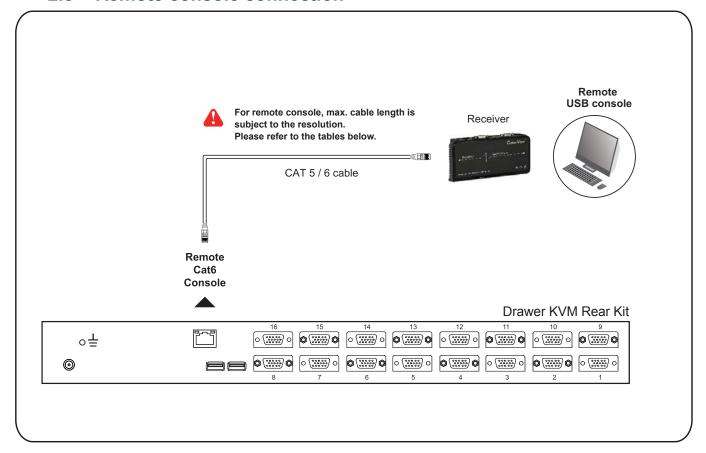
-1602H





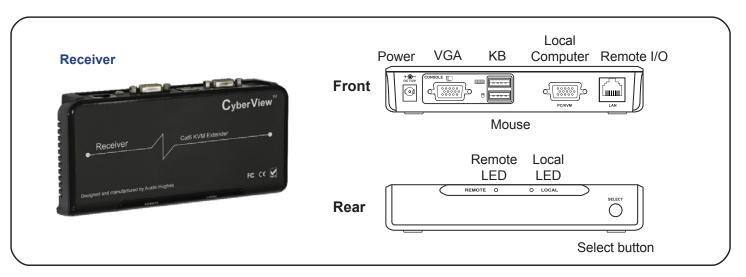
Daisy-chain feature for this model is NOT available.





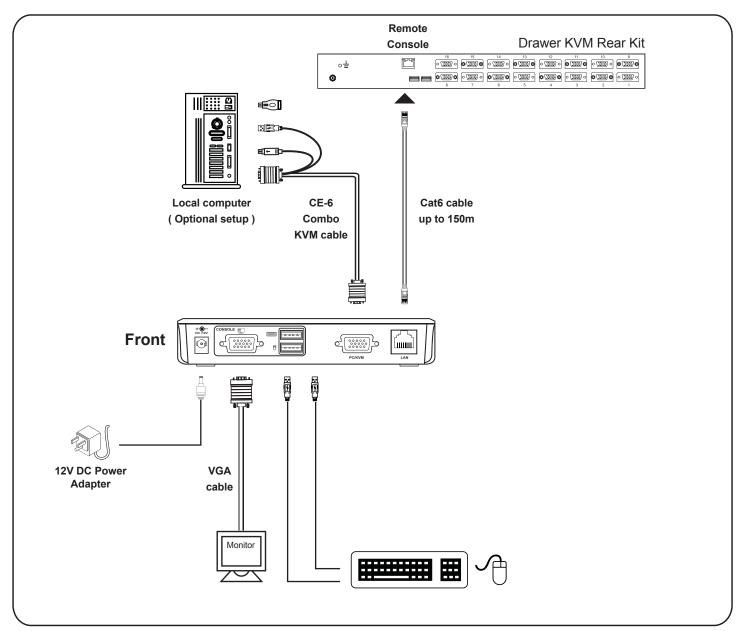
Remote Console

Resolution Support	Frequency (Hz)	Max. Cat6 Cable Length (M)	
1920 x 1080	60	50	
1600 x 1200	60	100	
1440 x 900	60	100	
1280 x 1024	60	150	
1024 x 768	60 / 70 / 75	150	

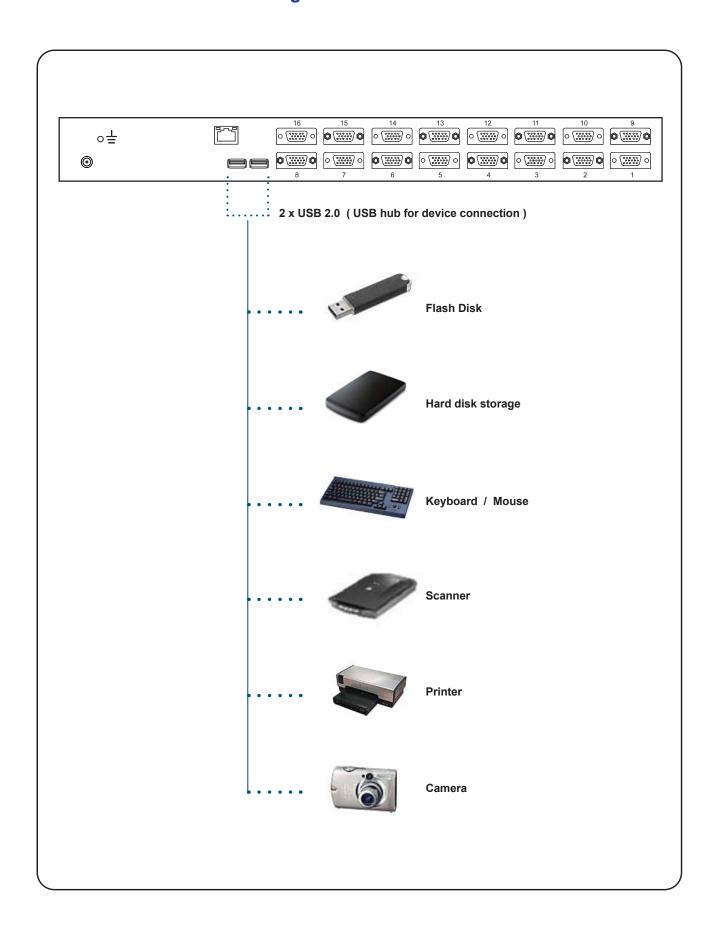




The receiver provides a hotkey function for remote console. Please refer to P.23

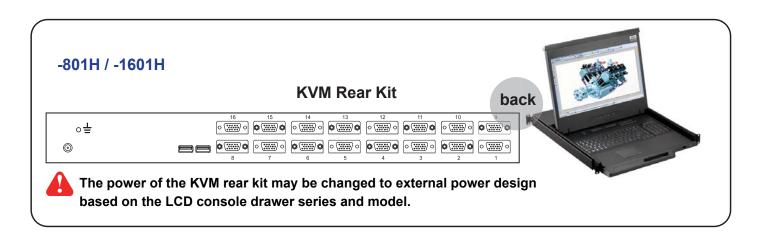


< 2.4 > Built-in USB Hub Usage & Connection USB Hub DB-15 2-console KVM

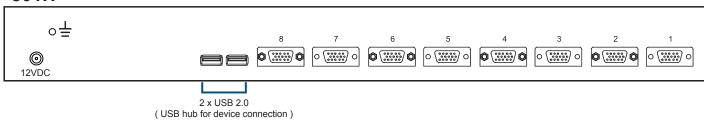


< 2.5 > Specifications

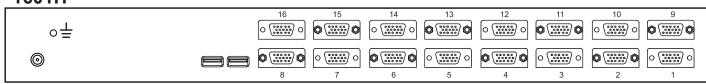
	-802H -10	602H		
KVM Port				
Number of ports: 8 or 16				
Connector:	DB-15 combo connector			
Connectivity:	Combo 2-in-1 VGA + USB KV	/M cable, 6, 10 or 15 feet		
Local Console :	Nil for LCD console drawer ve	ersion		
USB Hub :	2 x USB type A for sharing oth	ner peripheral devices among the compute		
Remote Console				
Connector:	1 x DB 15-pin, VGA			
Input device :	2 x USB type A for keyboard	& mouse		
Remote I/O :	RJ45 via Cat5 / Cat5e / Cat6	cable up to 150m		
Compensation :	Auto adjust for cable length			
Resolution support :	4:3 - max. 1600 x 1200, 16:	9 - max. 1920 x 1080		
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 / 250\			
Consumption :	Max. 12W	·		
I 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		



-801H

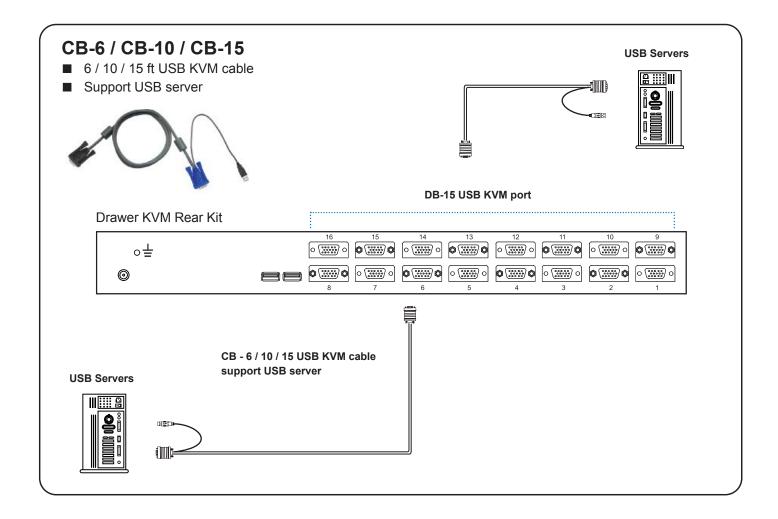


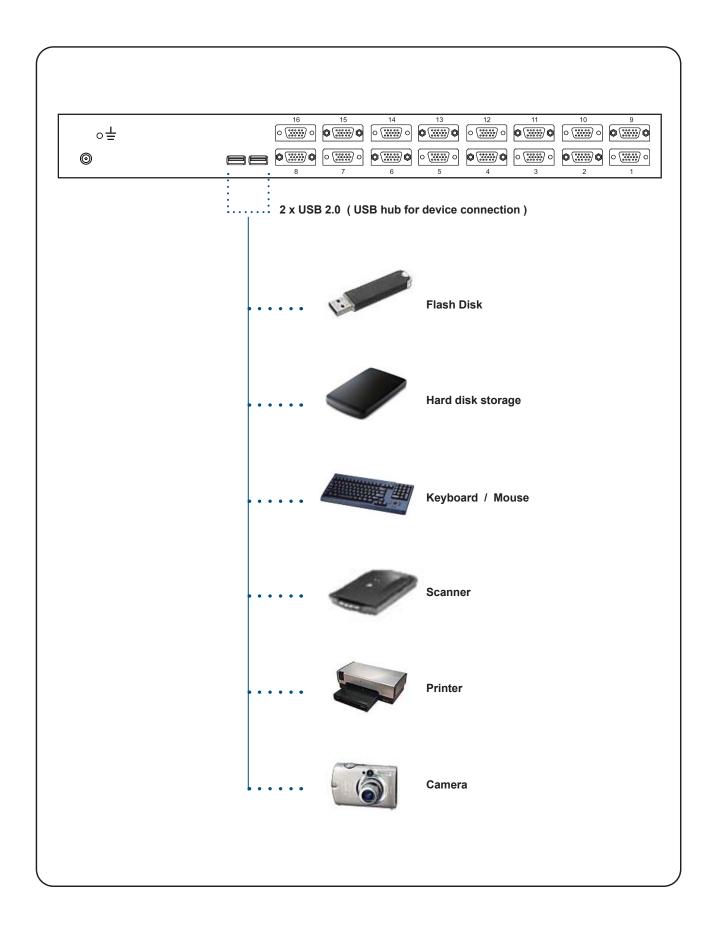
-1601H



A

Daisy-chain feature for this model is NOT available.





< 3.4 > Specifications

	-801H	-1601H		
KVM Port				
Number of ports :	8 or 16			
Connector:	DB-15 combo connector			
Connectivity:	Combo 2-in-1 VGA + USB KVN	/I cable, 6, 10 or 15 feet		
Local Console :	Nil for LCD console drawer ver	sion		
USB Hub :	2 x USB type A for sharing other	er peripheral devices among the computers		
Management				
Multilingual OSD :	English, France, German, Spar Japanese	nish, Italian, Russian, Simplified Chinese,		
Hotkey combination :	Scroll-lock, Cap-lock, Num-lock	x, Alt, Ctrl & Win		
Security:	Password enable & disable, up	to 8 users profile for port access		
PC Selection :	Front button, OSD menu & hotl	key		
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. 10W			
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		

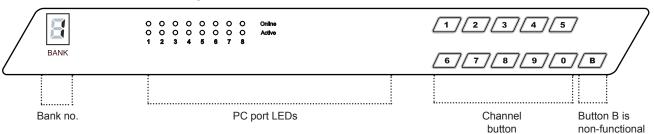
4.1 KVM Button

Power ON

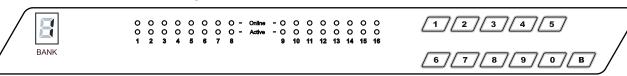
- Turn off all servers and KVM switches
- Make sure all cables / connectors are properly connected
- Recommend Power ON sequence is monitor, KVM switch finally computer

Front Panel - Port LED Indications

USB Hub DB-15 KVM 8 ports



USB Hub DB-15 KVM 16 ports



Bank no.	7-Segment BANK LED indication (Bank 1 only)
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 16

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
- 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

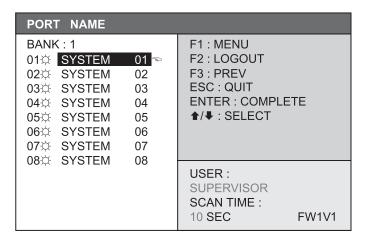
■ Forget your password

Please contact your supplier for further support

Remark:

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

OSD Menu



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

F1 Main Menu

01 LANGUAGE

02 PORT NAME EDIT

03 PORT SEARCH

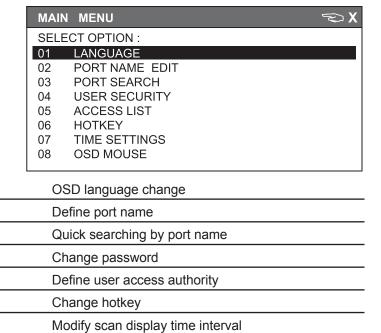
05 ACCESS LIST

06 HOTKEY

04 USER SECURITY

07 TIME SETTINGS

08 OSD MOUSE



Modify OSD mouse speed

4.4 KVM Hotkey & Remote Console Hotkey USB Hub DB-15 KVM Usage

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 + 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 logi	in 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 + Port no."
 - Port No.: 01 to 16
 - e.g. Port 4: Scroll Lock + Scroll Lock + 0 + 4
 - e.g. Port 16: Scroll Lock + Scroll Lock + 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, and Enter keys are supports

Remote Console Hotkey	Function		
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		

4.5 Options : DC Power



USB Hub DB-15 KVM Usage

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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