8X1 HDMI KVM SWITCH
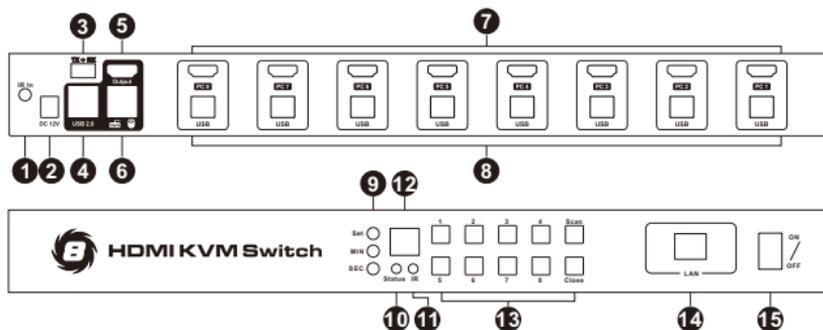
USER MANUAL

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HDMI · KVM

Features :

- Using only 1 set of keyboard and mouse to control 8 PCs
- Support resolution up to 4K@60Hz 4:4:4
- Support Unix/Windows/Debian/Ubantu/Fedora/Mac OS X/Raspbian/Ubantu for Raspberry Pi and other Linux based systems
- With EDID emulator in each input port, keep PCs always having correct display information
- Support hot plug, connect or disconnect devices to the KVM at any time without turning off devices
- Support front panel buttons, IR signals, keyboard hotkeys, RS232 serial commands or IP commands to control the KVM switch
- Support extra USB2.0 port, make it possible to connect bar code scanner, USB hard drive or other USB devices to KVM
- Support DVI-D single link sources and displays with the use of HDMI-to-DVI adapters

Packing List :

1*8X1 HDMI KVM Switch
1*DC 12V Power adapter
1*IR Remote control
1*IR Receiver cable
1*3 Pins connector(For RS232)
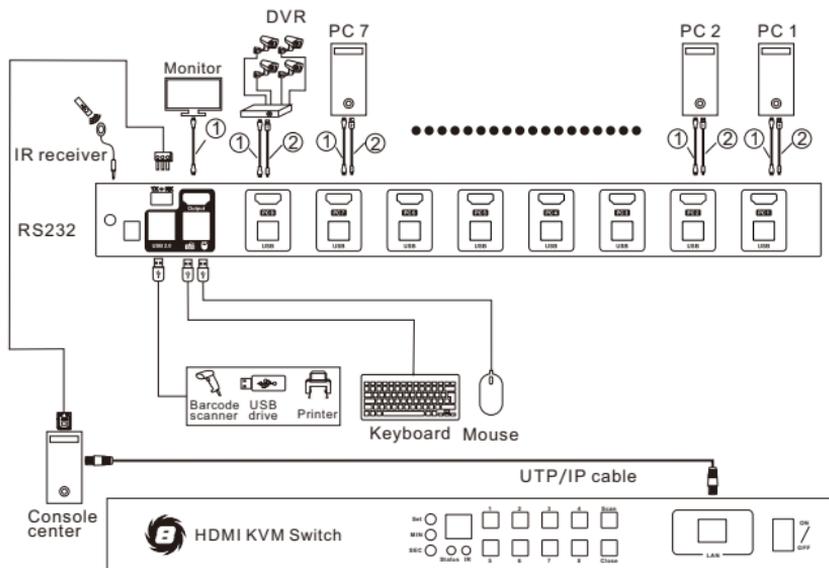2*Rack-ears
1*User manual

Panel Descriptions :

ID	Name	Description
1	IR In	Connect IR receiver extension cable to this port, then it is able to use IR control even the KVM switch is installed in a rack
2	DC 12V	12V DC power supply
3	RS232 port	Connect this port to any control termination, then it is able to select the input sources by sending RS232 commands
4	USB 2.0 port	For USB 2.0 devices, for example printers, USB hard disk, barcode scanner, touch pad etc
5	HDMI output	Connect to HDMI display

ID	Name	Description
6	Keyboard and mouse input	For USB keyboard and mouse input, including wireless keyboard and mouse
7	HDMI inputs	Connect to HDMI input source
8	USB data port	Connect to computer by USB Type A to Type B cable
9	Auto scan time interval settings	**[MIN]:** Press **[MIN]** to loop between 0~59 minutes **[SEC]:** Press **[SEC]** to loop between 0~59 seconds **[Set]:** After setting minutes and seconds, press button **[Set]** to enter final scan time interval setting
10	Status LED	Red: Turn off auto scanning mode Green: Turn on auto scanning mode
11	IR receiver	Receive IR signal
12	LED display	Display current selected input port
13	Keypad	**[1~8]:** Press button[1]~[8] to directly selelct input input 1~8 **[Close]:** Press this button to turn on or off the LED display and monitor **[Scan]:** Press this button to start or stop automatically scanning between input1 to input8. The interval time can be set by **[Set]**, **[MIN]**, **[SEC]** as described above

ID	Name	Description
14	LAN port	By connecting to the LAN through this port, you can use the terminal device in the same LAN to send TCP/IP commands to control the switching of input port
15	Power switch	Turn on or off the power supply

Connection Diagram :

Note: ① HDMI cable ② USB type A to USB type B cable

Basic Operation :

1. Port selection

1.1 Use front panel keypad

Directly press button [1]~[8] to select input port 1~8.

1.2 Use IR remote control

Press [1/A], [2/B]~[8/H] directly to select input ports 1~8.

1.3 Use keyboard hot keys

Press keyboard [Scroll lock] key two times, then press [1]~[8] within 2 seconds to directly select input port 1~8.

Press keyboard [Scroll lock] key two times, then press

[Page Up] / [Page Down] within 2 seconds to select previous or next port.

2. Mute/ unmute buzzer

2.1 IR remote control

Press button [≡] on remote control to mute or unmute buzzer.

2.2 Keyboard hot keys

Press keyboard [Scroll lock] key two times then [F11] to mute or unmute buzzer.

3. Turn on/off auto scan mode

3.1 Front panel key pad

Press [Scan] button to start auto scanning, then the

KVM will automatically loop among all the powered on Input sources with a specified time interval, press [Scan] again to stop scanning.

3.2 IR remote control

Press [P] button to start auto scanning, then the KVM will automatically loop among all the powered on input sources with a specified time interval, press [P] again to stop scanning.

3.3 Keyboard hot keys

Press keyboard [Scroll lock] key two times then press [Space] key within 2 seconds to start auto scanning, the KVM will automatically loop among all the powered on input sources with a specified time interval, press [Esc] key to stop scanning.

4. Setup time interval of auto scan mode

Press front panel button [MIN] to loop between 0~59 minutes.

Press front panel button [SEC] to loop between 0~59 seconds.

After setting minutes and seconds, press button [Set] to enter final scan time interval setting.

5. The use of mouse gesture switching

Press keyboard [Scroll lock] key two times then press [F12] key within 2 seconds to turn on or turn off mouse gesture switching.

When mouse gesture switching mode is on, move mouse

pointer to hit left or right bound of the screen within 1 second, the KVM will switch to previous or next input source.
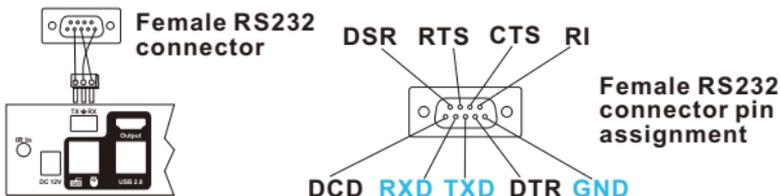
Use of RS232 and LAN port :

The RS232 and LAN ports are used for selecting input source only, could not transfer keyboard and mouse data or even the video and audio, this is a redundant design for some special application when you want to switch the input sources by a termination control devices. Normally you could switch the input source by front panel keypad, IR remote control or keyboard hot keys.

For the software application packages or the API document for the RS232 and LAN port please contact with our sales. (Only for windows system)
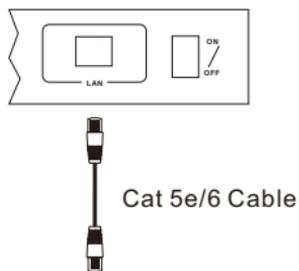
1. Connect RS232 port

Follow below diagram to connect the standard 9 pin RS232 port to the 3 pins connector which is included in package, then plug the connector to the KVM 'TX⇌RX' port.
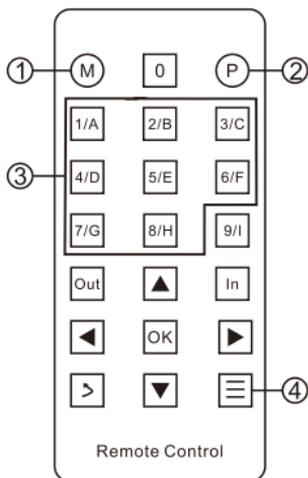

Female RS232 connector

Female RS232 connector pin assignment

DSR RTS CTS RI

DCD RXD TXD DTR GND

2. Connect LAN port

Follow below diagram to connect the LAN port to local area network router or directly to PC with Cat5e/6 UTP cable.

Cat 5e/6 Cable

Connect to local area network router or directly to PC

IR Remote Control:

① —— Turn on/off auto input detection

When plug new HDMI input source to the 8 ports switch or power on the HDMI input source, the HDMI switch will automatically select the input port that is connected to this input source. press [M] again to stop auto input detection

② —— Turn on/off auto scan mode

Switch will automatically switch among all the powered on input sources within the specified time interval, press [P] again to stop auto scaning

③ —— Select input port

Press [1/A], [2/B], [3/C] ... [8/H] to select input 1-8

④ —— Mute/unmute buzzer

Note: 1. Other buttons are invalid.
2. The battery slot on the back of remote controlis equipped with an insulation splice . Removeit when you use it and reinsert it into the remote control after use to extend battery life.
3. Battery model: CR2025.

Warranty Information :

We warrant this product as free of defects in material and workmanship for a period of one (1) year from the date of shipment.

If during the period of warranty this product proves defective under normal use, we will repair or replace this product, provided that this product has not been subjected to mechanical, electrical, or other abuse or modifications. If it fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for six (6) months from the day of reshipment to the buyer.