

HDMI 接口KVM切换器用户手册

特别提示

在使用本产品之前，请务必先仔细阅读本产品使用说明书。请务必妥善保管好本书，以便日后能随时查阅。请在充分理解内容的基础上，正确使用。本公司保留对产品进行更改的权利，由于技术更新产品参数变化恕不另行通知。

产品外观

(以2口为例)

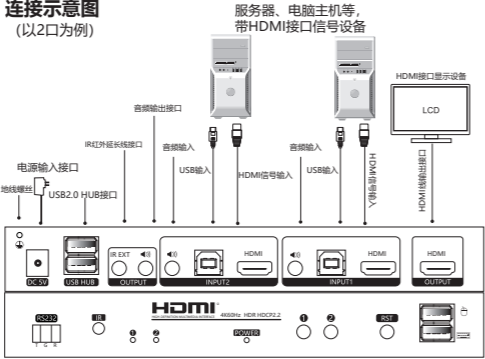


产品特点

- 支持USB1.1和2.0
 - 支持Windows,Mac,Linux系统;
 - HDMI接口分辨率最高支持4Kx2K@60Hz;
 - 支持端口插入自动识别侦测、电脑睡眠唤醒;
 - 无需安装驱动，可以通过键盘热键、鼠标、面板按键、红外遥控、串口切换选择所需要操作的电脑主机视频画面及音频功能;
 - 显示监控状态的LED指示灯;
 - 无需关闭设备电源，通过从端口插入和拔出线缆，即可卸除和向装置添加部件;
 - 适用于电脑、硬盘录像机等。
- (以产品实物为准)

连接示意图

(以2口为例)



注：USB (U) 接口只可接鼠标键盘，USB HUB接口可接U盘、打印机等设备。

安装方法以及使用说明：

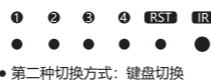
- 1.用KVM线将电脑设备与KVM切换器连接起来（见接线图）。
 - 2.将显示器和USB接口的键盘鼠标连接到KVM切换器上。
- 请在开机前确保所有有电线连接正确。
 - 清理或长时间不使用时，请拔掉电源插头。
 - 请使用该产品的专用电源适配器，并在适配器标注的电源范围内使用。
 - 工作温度：0~40℃，工作湿度：5~85%RH（无冷凝）。

操作方法

- 1、按连接示意图正确连接信号源和显示设备、操作键盘鼠标;
- 2、切换方式：面板按键切换，键盘鼠标切换，红外遥控切换，RS232代码切换。

切换方式

- 第一种切换方式：按键切换
- 按面板上面的按钮可切换到对应的主机。



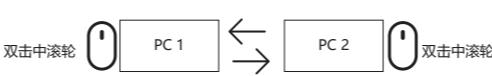
- 第二种切换方式：键盘切换

键盘热键切换：双击键盘热键，如右【Ctrl】键(上电默认)，然后按键盘上相对应的数字键1...4，最后按回车键即【Enter】键。



- 第三种切换方式：鼠标切换

2口KVM鼠标切换方式：双击鼠标中间滚轮+右键 往右进行循环切换，双击鼠标中间滚轮+左键 往左进行循环切换，操作时间2.5秒内切换完成，如下图：



- 4口KVM鼠标切换方式

双击鼠标中间滚轮然后按鼠标右键时，端口往下一个端口进行切换。双击鼠标中间滚轮然后按鼠标左键时，端口往上一个端口进行切换。如图（操作时间2.5秒内完成）



更改快捷键模式

- a:连接2次键盘右边Ctrl+单击右边Ctrl+enter(回车)键---为键盘右边Ctrl
- b:连接2次键盘右边Ctrl+单击左边+enter键----为键盘左边Ctrl
- c:连接2次键盘右边Ctrl+单击NumLock+enter键---为键盘Numlock

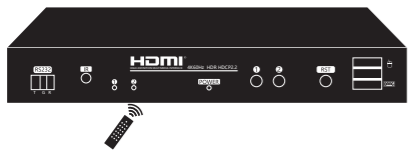
HDMI-KVM Switch Manual

Special Notification

Before using this product, please read this manual carefully. Please keep this manual for future reference. The company may change the fuction of product without notice.

Appearance

(Take 2 port example)



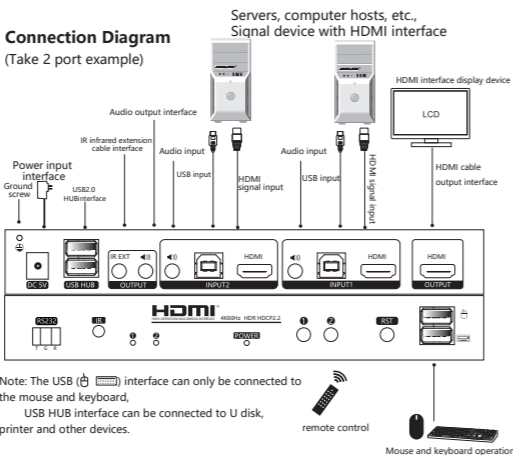
Features

- Support USB1.1 and 2;
- Support for Windows, Mac, Linux systems;
- The HDMI interface is the highest resolution 4Kx2K 60Hz;
- Support port insertion automatic recognition detection, computer sleep wake up;
- No need to install the driver, you can use keyboard hotkeys, mouse, panel keys, infrared remote control, serial port switch.
- LED light shows work status;
- Support add or remove units over plug and play without shut off the switch;
- Apply to DVR, ect;

(To prevail in kind)

Connection Diagram

(Take 2 port example)



Note: The USB (U) interface can only be connected to the mouse and keyboard. USB HUB interface can be connected to U disk, printer and other devices.

Note:

The USB (U) interface can only be connected with the mouse keyboard, USB HUB interface can connect U disk, printer and other equipment.

Use Manual

- Make sure all cables are properly connected before turning.
- Please unplug when clean-up or long time no use.
- Please use the product-specific power adapter and use in the range of the adapter marked.
- Working Temperature: 0~40℃, Humidity: 5~85%RH(No condensation).

Operation

1. Connect signal source, display device, keyboard and mouse correctly.
2. Switch mode: panel button switch, keyboard mouse switch, infrared remote control switching, RS232 code switching.

Switching mode

- 1：button switching

Press the button above the panel to switch to the corresponding host.



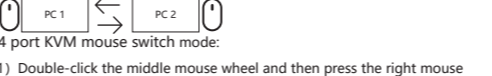
- 2: mouse switch

Keyboard hotkey switch: double-click the keyboard hotkey, such as the right [Ctrl] key (on the default), and then press the corresponding number on the keyboard key 1..4. Finally, press Enter, that is, [Enter].



- 3: mouse switch

2 port KVM mouse switching mode: Double click the middle mouse wheel + right click to right for circular switching, double click the middle mouse wheel + left click to left for circular switching, the switching time is completed within 2.5 seconds, as shown below.



4 port KVM mouse switch mode:

- 1) Double-click the middle mouse wheel and then press the right mouse button to switch the port to the next port.
- 2) Double-click the middle mouse wheel and press the left mouse button to switch the port up one port.

(switching time is 2.5s)



Change shortcut mode

- a: Double-click on the right side of the keyboard Ctrl + click on the right Ctrl + enter (Enter) key --- the right side of the keyboard Ctrl
- b: Double-click on the right side of the keyboard Ctrl + click on the left + enter key ---- the left side of the keyboard Ctrl
- c: Double-click on the right side of the keyboard Ctrl + click NumLock + enter key ---- for keyboard Numlock
- d: Double-click on the right side of the keyboard Ctrl + click Capslock + enter key ---- CapsLock for the keyboard
- e: Double-click on the right side of the keyboard Ctrl + click the Scolllock + enter key ---- for the keyboard ScollLock

- d:连接2次键盘右边Ctrl+单击Capslock+enter键---为键盘CapsLock
 - e:连接2次键盘右边Ctrl+单击Scolllock+enter键----为键盘ScollLock
- 2：以默认是键盘右边Ctrl+数字键+enter键为例
 - a:连接2次键盘右边Ctrl+小键盘数字键+enter键，可以切换到对应端口
 - b:连接2次键盘右边Ctrl+大键盘数字键+enter键，可以切换到对应端口
 - 3:连接2次键盘Ctrl+B键+enter键----可以关闭和开启蜂鸣器声音
 - 4:连接2次键盘Ctrl+T键+enter键---可以关闭和开启跟踪功能
 - 5:连接2次键盘右边Ctrl+R键+enter键---可以开启一次复位功能
 - 6:连接2次键盘右边Ctrl+s键+enter键---可以关闭和开启自动扫描时间
 - 7:连接2次键盘右边Ctrl+s键+数字键+enter键---可以设定扫描时间
 - 8:按键2次键盘右边Ctrl+M键+enter键----可以关闭和开启鼠标切换功能
 - 9:Ctrl键跟随快捷键，如Ctrl键更改为：ScollLock或NumLock，功能切换就变成相对应的快捷键。

系统默认热键是右【Ctrl】键。如果使用右【Ctrl】键会对其它功能键产生冲突的，热键可以设置为【Num lock】键，Scroll Lock键或键盘左【Ctrl】键。
■举例说明：双击右【Ctrl】键+【Num lock】+【Enter】，此时热键变成【Num lock】键了；双击右【Ctrl】键+左【Ctrl】+【Enter】，此时热键就变成左【Ctrl】键了。如果热键设置成左【Ctrl】了，这时想设置键盘右边的【Ctrl】键为热键，则双击键盘右边的【Ctrl】键+右【Ctrl】+【Enter】，此时的热键变成右【Ctrl】键了。附上



注：如果热键已设成左【Ctrl】，要换成右【Ctrl】，则双击右【Ctrl】+右【Ctrl】+【Enter】

性能参数

输出接口	HDMI高清视频接口、USB1.1/2.0鼠标键盘、音频接口
输入接口	2/4/8路HDMI高清视频接口、2/4/8路USB方口、音频接口
切换方式	按键切换、键盘鼠标切换、遥控器切换、RS232代码切换
USB键盘鼠标	USB(U)接口接键盘鼠标, USB HUB接口接U盘打印机等
HDMI版本	HDMI2.0 HDCP2.2
支持分辨率	4K60/30fps/1080P60/30/24fps/1080i/720P/576i
视频频率带宽	600MHz*3
电源	DC 5V/1A
外壳	铁壳
规格	2口:209×64×27mm 4口:219×58×40mm
重量	2口 KVM 0.33KG / 4口 KVM 0.42KG / 8口 KVM 1.4KG

安全使用须知

为确保设备可靠使用及人员的安全，请在安装、使用和维护时，请遵守以下事项：

- 请勿在下列场所使用本产品：有灰尘、油烟、导电性尘埃、腐蚀性气体、可燃性气体的场所；暴露于高温、结露、风雨的场所；有振动、冲击的场合。电击、火灾、误操作也会导致产品损坏和恶化；
- 避免带电状态进行接线、插拔电缆插头，否则容易导致电击，或导致电路损坏；
- 安装和接线必须牢固可靠，接触不良可能导致误操作；
- 本产品通过电源线的接地导线接地，为避免电击，必须将接地导线与大地相连，在对本产品的输入端或输出端进行连接之前，请务必将本产品正确接地；
- 必须将外部电源全部切断后，才能进行安装、接线等操作，否则可能引起触电或设备损坏；
- 在下列情况下，请立即断开电源，并与公司联系：
 1. 设备进水；
 2. 设备摔坏或机壳破裂；
 3. 设备工作异常或展示的性能已完全改变；
 4. 设备产生气味、烟雾或噪音。
- 请不要自己修理设备，除手册中有明确指示外。

Performance Parameter

Output Interface	HDMI HD video interface, USB1.1/2.0 mouse keyboard and audio interface
Input Interface	2/4/8 road HDMI HD video interface, 2/4/8 road USB square audio mouth
Switch way	Key switch, keyboard hotkey, remote control switch, RS232 code switching
Keyboard mouse	USB(U) interface keyboard and mouse, USB hub interface, U disk, printer and so on
Automatic scanning interval	HDMI2.0 HDCP2.2
Resolution	4K60/30fps/1080P60/30/24fps/1080i/720P/576i
Video Bandwidth	600MHz*3
Power	DC 5V/1A
Shell	Metal
Specification	2口:209×64×27mm 4口:219×58×40mm
Net Weight	2 KVM 0.33KG / 4 KVM 0.42KG / 8 KVM 1.4KG

Safety instructions

In order to ensure the reliable performance of the equipment and the safety of the user, please observe the following matters during the process of installation, use and maintenance.

- Please do not use this product in the following places: the place of dust, soot and electric conductivity dust, corrosive gas, combustible gas; the place exposed to high temperature, condensation, wind and rain; the occasion of vibration and impact. Electric shock, fire, wrong operation can lead to damage and deterioration to the product, either;
- Should avoid wiring and inserting cable plug in charged state, otherwise it is easy to cause the shock, or electrical damage;
- The installation and wiring should be strong and reliable, contact undesirable may lead to false action;
- This product grounds by the grounding wires. To avoid electric shocks, grounding wires and the earth must be linked together. Before the connection of input or output terminal, please make sure this product is correctly grounded;
- Only after cutting down all external power source, can install, wiring operation begin, or it may cause electric shock or equipment damage.■ Please do not dismantle the equipment, avoid damaging the internal electrical component.

- 2: Take the default Ctrl + number key + enter key on the right side of the keyboard as an example
- a: Double-click on the right side of the keyboard Ctrl + numeric keypad number + enter key to switch to the corresponding port
- b: Double-click on the right side of the keyboard Ctrl + large keyboard number key + enter key to switch to the corresponding port
- 3: Double-press the keyboard Ctrl + B key + enter key twice to turn off and turn on the buzzer sound
- 4: Double-click the keyboard Ctrl + T key + enter key --- you can turn off and turn on the tracking function
- 5: Press the Ctrl + R key + enter key on the right side of the keyboard twice to enable the reset function once
- 6: Double-press the Ctrl + s key + enter key on the right side of the keyboard twice to turn off and turn on the automatic scanning time
- 7: Double-click on the right side of the keyboard Ctrl + s key + number key + enter key --- you can set the scan time
- 8: Press the key twice Ctrl + M key + enter key on the right side of the keyboard-you can turn off and on the mouse switching function
- 9: The Ctrl key follows the shortcut keys, such as the Ctrl key is changed to: ScollLock or NumLock, function switching It becomes the corresponding shortcut key.

The default hot key is the right [Ctrl] key.If the right [Ctrl] key conflicts with other function keys, the hot key can be set to [Num lock], Scroll lock or left [Ctrl] key.
Note:Double click [Ctrl] key + [Num lock] + [Enter], the hot key becomes [Num lock] key.Double click right [Ctrl] + left [Ctrl] + [Enter], and the hot key becomes left [Ctrl].If the hot key is set to left [Ctrl] and you want to set the key on the right side of the keyboard to be a hot key, double-click the key on the right side of the keyboard + right [Ctrl] + [Enter] and the hot key becomes right [Ctrl].



Note: if the hot key has been set to left [Ctrl], to change to right [Ctrl], double click right [Ctrl] + right [Ctrl] + [Enter]