

HDMI KVM Seamless Switch User Manual

Special Tips

Before using this product, please read this manual carefully.

Please keep this manual for future reference.

Please use the product properly and with full understanding of the contents.

We reserve the right to make changes to the product without notice due to technical updates.

Product Description

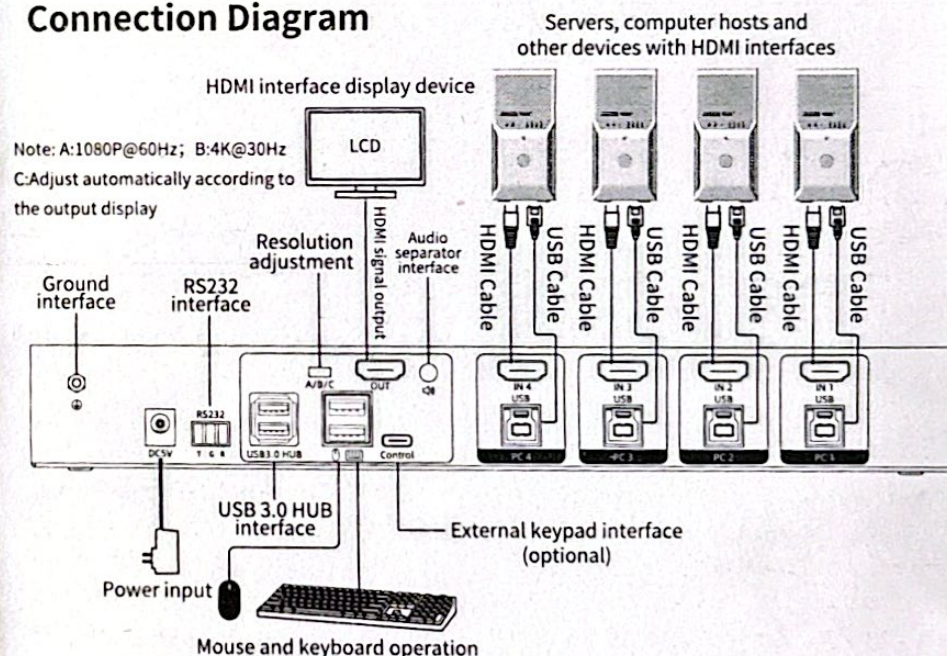
The HDMI KVM 4X1 Quad Multi-viewer is also a high-performance 4-in-1 seamless switcher, support 4 computers sharing 1 screen and keyboard mouse, and has a variety of video segmentation. It supports sharing USB 3.0 devices such as keyboard, mouse, printer, and USB flash drive, with adjustable resolution up to 4K@30Hz. It has excellent image processing, transmission and compatibility capabilities, making the signal output more stable. It can be widely applied in video conferencing, multimedia teaching, securities and finance, office spaces and other fields.

Product Features

- ◆ Support USB3.0、2.0、1.1 devices;
- ◆ Support Windows、Mac、Linux、Android operation system, etc;
- ◆ Support 4K@30Hz、HDCP1.4;
- ◆ Support HDMI audio separation function;
- ◆ Output resolution adjustable;
- ◆ Support AWG26 HDMI cable, input/output up to 10m;
- ◆ Support the computer sleep-wake-up function of USB ports;
- ◆ No driver installation required. Plug and play. Compatible with most wireless keyboard and mouse, mechanical keyboard and gaming mouse;
- ◆ Support multiple switching methods: keyboard hotkey, mouse, panel key, infrared remote control, serial port switching;
- ◆ Support hot swapping.

(Please refer to the actual product)

Connection Diagram



- Note: 1. USB () interface can only be connected to the mouse and keyboard.
2. USB HUB interface can be connected to U disk, printer and other devices.

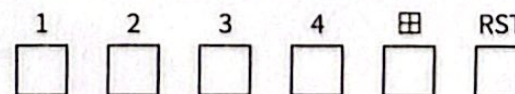
Installation method and instructions for use

1. Connect the computer equipment to the switch with a KVM cable (see connection diagram).
 2. Connect the monitor and USB port keyboard and mouse to the switch.
- ◆ Make sure all cables are connected correctly before turning on the power.
 - ◆ Unplug the power supply when cleaning or not using it for a long time.
 - ◆ Please use the dedicated power adapter of this product and operate within the range indicated on the adapter.
 - ◆ Operating temperature: 0~40°C, working humidity: 5~85%RH (no condensation).
- Note: When switching to multi-screen, the default setting is to enter mouse through mode.

Switching Method

● 1: Panel Key Switch

Press the button on the KVM switch panel to switch to the corresponding function.



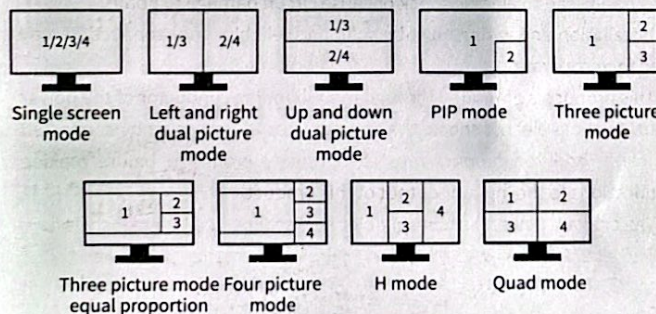
* /Scroll Lock + F10	Switch to absolute coordinate mode
* /Scroll Lock + F11	Switch to relative coordinate mode
* /Scroll Lock + F12	Reset
* /Scroll Lock + 0	Enter synchronous mode
* /Scroll Lock + .	Enter mouse through mode
* /Scroll Lock + 1/2/3/4	Screen switch to PC1-4
* /Scroll Lock + 5/6/7/8	Audio switch to PC1-4
* /Scroll Lock + A/B/C...Y/Z	Set the enable/disable button for continuous transmission
* /Scroll Lock + ESC	Clear all repeat buttons

● 5: RS232 Serial Communication Switch
Schedule: RS232 switching code table

Serial port settings	Baud rate 115200bps, 8 bits data, 1 bit stop, check digit None hexadecimal
AA 00 DD	PC1 single screen
AA 01 DD	PC2 single Screen
AA 02 DD	PC3 single Screen
AA 03 DD	PC4 single Screen
AA 04 DD	Left and right dual picture mode full screen (PC1,PC2)
AA 05 DD	Left and right dual picture mode equal proportion (PC1,PC2)
AA 06 DD	Up and down dual picture mode full screen (PC1,PC2)
AA 07 DD	Up and down dual picture mode equal proportion (PC1,PC2)
AA 08 DD	PIP mode PC1>PC2
AA 09 DD	PIP mode PC2>PC1
AA 0A DD	Left and right dual picture mode full screen (PC3,PC4)
AA 0B DD	Left and right dual picture mode equal proportion (PC3,PC4)
AA 0C DD	Up and down dual picture mode full screen (PC3,PC4)
AA 0D DD	Up and down dual picture mode equal proportion (PC3,PC4)
AA 0E DD	PIP mode PC3>PC4
AA 0F DD	PIP mode PC4>PC3
AA 10 DD	Three picture mode PC1>PC2,3
AA 11 DD	Three picture mode PC1>PC2,3 (equal proportion)
AA 12 DD	Three picture mode PC2>PC1,3
AA 13 DD	Three picture mode PC2>PC1,3 (equal proportion)

AA 14 DD	Three picture mode PC3>PC1,2
AA 15 DD	Three picture mode PC3>PC1,2(equal proportion)
AA 16 DD	Four picture mode PC1>PC2,3,4
AA 17 DD	Four picture mode PC2>PC1,3,4
AA 18 DD	Four picture mode C3>PC1,2,4
AA 19 DD	Four picture mode PC4>PC1,2,3
AA 1A DD	H-mode
AA 1B DD	Quad mode
AA 20 DD	PIP mode small screen position change
AA 21 DD	PIP mode small screen size change

Modes



Packing List

No	Parts	Quantity	Note
1	HDMI KVM switch	1	
2	Remote control	1	
3	5V2A Power adapter	1	
4	HDMI cable 1.8 m	4	
5	USB3.0 cable 1.8 m	4	
6	Rack buckle (rack-mounted only)	2	

Safety instructions for use

To ensure the reliable use of the equipment and the safety of personnel, please observe the following when installing, using and maintaining.

■ Do not use the product in the following places: places with dust, oil fumes, conductive dust, corrosive gases, combustible gases; places exposed to high temperature, condensation, wind and rain; places with vibration and shock. Electric shock, fire, misuse can also lead to damage and deterioration of the product.

■ Avoid wiring, plugging and dialing cable plugs in a charged state, which may easily lead to electric shock or cause circuit damage to bonus.

■ Installation and wiring must be solid and reliable, poor connection may lead to misoperation.

■ This product is grounded through the grounding conductor of the power cord. To avoid electric shock, the grounding conductor must be connected to earth, and the product must be properly grounded before making connections to the input or output of this product.

■ The external power must be completely disconnected before installation, wiring, etc., or else electric shock or equipment damage may result.

■ In the following cases, please disconnect the power immediately and contact the company.

1. Water enters the equipment.

2. The equipment is broken or the case is cracked.

3. The equipment works abnormally or the demonstrated performance has been completely changed.

4. The equipment produces odor, smoke or noise.

■ Do not repair the equipment yourself, except as expressly instructed in the manual.

HDMI KVM无缝切换器使用说明书

特别提示

在使用本产品之前，请务必先仔细阅读本使用说明书。

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。

产品介绍

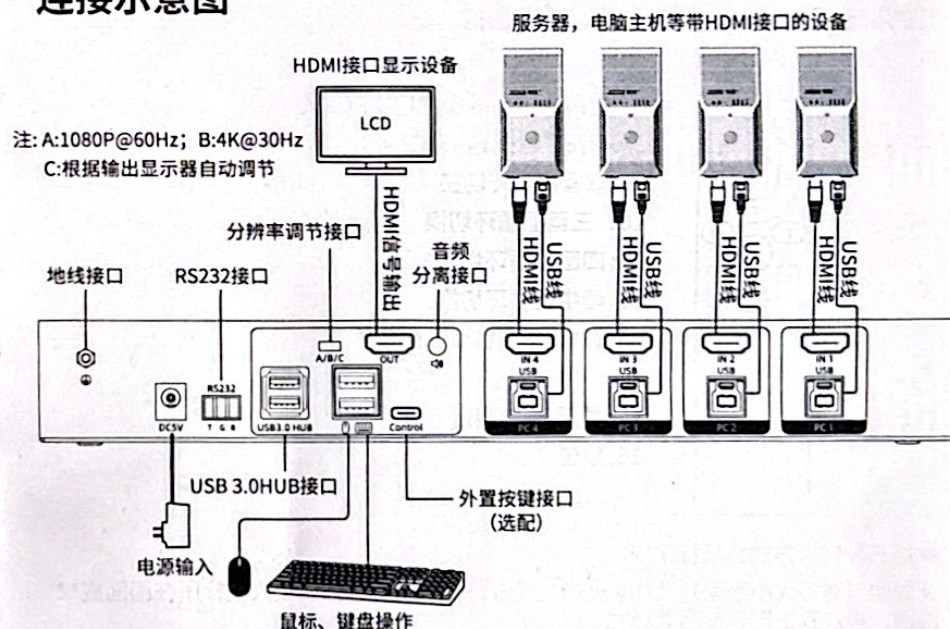
HDMI KVM 4X1四画面分割器，同时也是一款高性能的4进1出无缝切换器，支持4台电脑共享一个屏幕和键盘鼠标，并有多种视频分割效果。支持共享键盘、鼠标、打印机、U盘等USB3.0设备，分辨率可调节，最高可达4K@30Hz。具有优良的图像处理、传输和兼容能力，使信号输出更加稳定。可广泛应用于视频会议、多媒体教学、证券金融、办公空间等领域。

产品特点

- ◆ 支持USB3.0、2.0、1.1设备；
- ◆ 支持Windows、Mac、Linux、Android等操作系统；
- ◆ 支持4K@30Hz、HDCP1.4；
- ◆ 支持HDMI音频分离功能；
- ◆ 输出分辨率可调节；
- ◆ HDMI输入输出传输距离：最长可达10M（26AWG）；
- ◆ 支持USB端口电脑睡眠唤醒功能；
- ◆ 无需安装驱动，即插即用，兼容大多数的无线键鼠、机械键盘、游戏鼠标使用；
- ◆ 支持多种切换方式：键盘热键、鼠标、面板按键、红外遥控、串口切换；
- ◆ 支持热插拔。

(以产品实物为准)

连接示意图



- 注：1.USB ()接口只可接鼠标键盘，
2.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线将电脑设备与切换器连接起来(见连接示意图)。
- 2.将显示器和USB接口的键盘鼠标连接到切换器上。

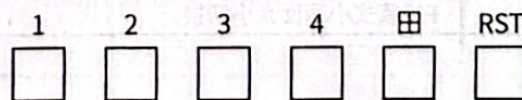
- ◆ 请在开机前确保所有电缆线连接正确。
- ◆ 清理或长时间不使用时，请拔掉电源插头。
- ◆ 请使用该产品的专用电源适配器，并在适配器标注的范围内使用。
- ◆ 工作温度：0~40℃，工作湿度：5~85%RH（无冷凝）。

注：切换至多画面时，默认进入鼠标穿越模式。

切换方式

- 第一种切换方式：按键切换

按KVM切换器面板上的按钮可切换到对应的功能。



● 第二种切换方式：遥控器切换

直接用遥控器对准KVM切换器可切换到对应的功能。



1/2/3/4: 单画面模式切换PC1-4

5/6/7/8: 音频选择PC1-4

9: 双画面循环切换

10: 三画面循环切换

11: 四画面循环切换

12: 画中画循环切换

13: 画中画-小画面位置切换

14: 画中画-小画面比例调整

15: 关闭/开启声音

16: 复位

● 第三种切换方式：鼠标切换

多画面（对等大小画面）及H型模式，双击鼠标中间滚轮，会放大鼠标所在画面成单画面，再次双击回到多画面模式。

画中画模式中，在大画面中双击鼠标中间滚轮会放大成单画面，再次双击回到画中画模式；在小画面中双击鼠标滚轮，小画面与大画面位置互换。

在四画面（1大3小）时，在小画面中双击鼠标中间滚轮，切换至鼠标所在画面为大画面。

● 第四种切换方式：键盘切换

附表:键盘热键功能表

切换热键:*/Scroll Lock两种切换热键模式	
按住*或Scroll Lock不放,再按其他键	
热键组合	功能说明
*/Scroll Lock + F1	单画面模式切换
*/Scroll Lock + F2	双画面模式切换
*/Scroll Lock + F3	三画面模式切换
*/Scroll Lock + F4	四画面模式切换
*/Scroll Lock + F5	PIP模式切换
*/Scroll Lock + F6	PIP模式小画面位置切换
*/Scroll Lock + F7	PIP模式小画面大小切换
*/Scroll Lock + F8	四分画面
*/Scroll Lock + F9	蜂鸣器开/关

*/Scroll Lock + F10	切换到绝对坐标模式
*/Scroll Lock + F11	切换到相对坐标模式
*/Scroll Lock + F12	复位
*/Scroll Lock + 0	进入同步模式,键鼠同时操控所有输入
*/Scroll Lock + .	进入穿越模式,键鼠可以在画面中任意穿越
*/Scroll Lock + 1/2/3/4	画面切换到1/2/3/4输入
*/Scroll Lock + 5/6/7/8	音频切换到5/6/7/8输入
*/Scroll Lock + A/B/C...Y/Z	设置开启/关闭连发按键
*/Scroll Lock + ESC	清空所有连发按键

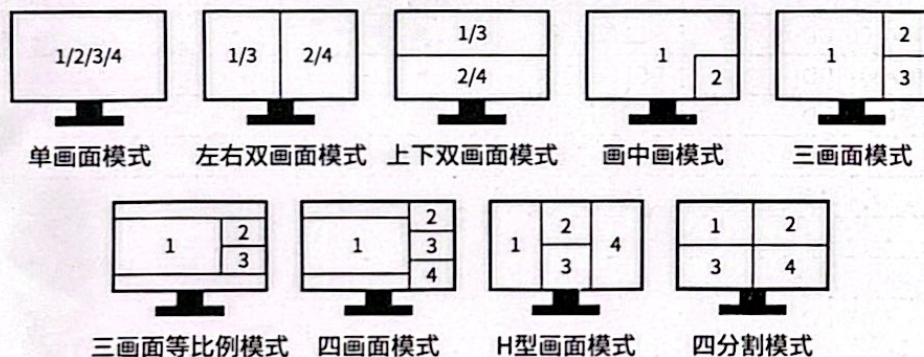
● 第五种切换方式:RS232串口通讯切换

附表:RS232切换代码表

串口设置	波特率115200bps,8位 数据,1位停止,校验位None十六进制
AA 00 DD	PC1单画面
AA 01 DD	PC2单画面
AA 02 DD	PC3单画面
AA 03 DD	PC4单画面
AA 04 DD	左右双画面模式满屏 (PC1,PC2)
AA 05 DD	左右双画面模式等比例 (PC1,PC2)
AA 06 DD	上下双画面模式满屏 (PC1,PC2)
AA 07 DD	上下双画面模式等比例 (PC1,PC2)
AA 08 DD	画中画模式画面PC1>PC2
AA 09 DD	画中画模式画面PC2>PC1
AA 0A DD	左右双画面模式满屏 (PC3,PC4)
AA 0B DD	左右双画面模式等比例 (PC3,PC4)
AA 0C DD	上下双画面模式满屏 (PC3,PC4)
AA 0D DD	上下双画面模式等比例 (PC3,PC4)
AA 0E DD	画中画模式 画面PC3>PC4
AA 0F DD	画中画模式 画面PC4>PC3
AA 10 DD	三画面模式PC1>PC2,3
AA 11 DD	三画面模式PC1>PC2,3 (等比例)
AA 12 DD	三画面模式PC2>PC1,3
AA 13 DD	三画面模式PC2>PC1,3 (等比例)

AA 14 DD	三画面模式PC3>PC1,2
AA 15 DD	三画面模式PC3>PC1,2(等比例)
AA 16 DD	四画面模式PC1>PC2,3,4
AA 17 DD	四画面模式PC2>PC1,3,4
AA 18 DD	四画面模式PC3>PC1,2,4
AA 19 DD	四画面模式PC4>PC1,2,3
AA 1A DD	H型画面
AA 1B DD	四分割画面
AA 20 DD	画中画模式小画面位置改变
AA 21 DD	画中画模式小画面大小改变

分割模式选择



配件清单

序号	名称	数量	备注
1	HDMI KVM切换器	1	
2	遥控器	1	
3	5V2A 电源适配器	1	
4	HDMI线1.8米	4	
5	USB3.0线1.8米	4	
6	机架扣 (仅机架式有)	2	

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、风雨的场合;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,接触不良可能导致错误操作;

■ 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。