

# DP KVM双屏切换器4进2出

## 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。

## 产品简介

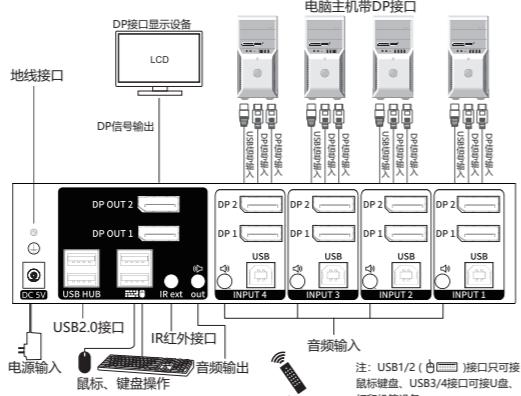
这款DP KVM双屏四进二出切换器可以实现四台电脑主机的主副屏同时显示, 并支持共享键盘鼠标、打印机、U盘等USB设备。支持自适应EDID显示, 支持DP1.2协议, 分辨率可支持高达3840x2160P@60P。它具有优良的图像处理 and 传输、兼容能力, 使信号传输更加稳定, 可广泛应用于视频会议、多媒体教学、证券金融、办公等领域。

## 产品特点

- 支持Windows、Mac、Linux、Android等多系统使用;
- 支持USB2.0与USB1.1设备使用;
- 支持 DisplayPort1.2协议 参数标准;
- 输入与输出分辨率高达3840\*2160@60Hz YUV4:4:4;
- 支持USB接口插入自动识别侦测、自动扫描、电脑睡眠唤醒等功能;
- 无需安装驱动, 即插即用, 使用方便快捷。支持兼容市面上大多数的无线、机械、游戏等键盘鼠标;
- 可通过键盘热键、鼠标、面板按键、红外遥控、RS232串口等多种方式进行信号源输入通道的切换;
- 内部具有ESD保护功能, 可支持热插拔,

(以产品实物为准)

## 连接示意图

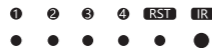


## 安装方法以及使用说明:

- 1.用DP/USB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, 并在适配器标注的电源范围内使用。
  - 工作温度: 0~40°C, 工作湿度: 5~85%RH (无冷凝)。

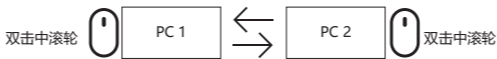
## 切换方式

- 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: 遥控器切换  
直接用遥控器对准KVM切换器面板可切换到对应的电脑主机。

- 第三种切换方式: 鼠标切换  
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:



- 第四种切换方式: 键盘热键切换  
附表: 键盘热键功能表

切换热键: R' Ctrl/L' Ctrl/Scroll Lock/Num Lock/Caps Lock五种切换热键模式 以R' Ctrl热键为例: (默认为R' Ctrl键)	
双击R'Ctrl+1~4+Enter	切换到输入通道1~4
双击R'Ctrl+B+Enter	蜂鸣器开启与关闭
双击R'Ctrl+T+Enter	自动识别功能开启与关闭
双击R'Ctrl+M+Enter	鼠标切换功能开启与关闭
双击R'Ctrl+R+Enter	复位功能开启
双击R'Ctrl+S+Enter	输入通道循环切换功能开启与关闭
双击R'Ctrl+S+8-999+Enter	输入通道循环切换功能时间设定
快速双击[R' Ctrl] +L' Ctrl+Enter	切换至L' Ctrl模式
快速双击[R' Ctrl] +Scroll Lock+Enter	切换至Scroll Lock模式
快速双击[R' Ctrl] +Num Lock+Enter	切换至Num Lock模式
快速双击[R' Ctrl] +Caps Lock+Enter	切换至Caps Lock模式
快速双击[R' Ctrl] +R' Ctrl +Enter	切换至R' Ctrl模式

- 第五种切换方式: RS232串口通讯切换  
附表: RS232通讯代码、波特率:

串口设定	115200bps,8位数据, 1位停止位, 检验码: None,十六进制,
输入1	3030 3030 3030 0a0a 0d0d
输入2	3030 3030 3031 0a0a 0d0d
输入3	3030 3030 3032 0a0a 0d0d
输入4	3030 3030 3033 0a0a 0d0d

## 性能参数

输入、输出支持分辨率	3840x2160P@60Hz/30Hz、2560x1440P@144Hz/120Hz/60Hz、1920x1080P@60Hz、1280x720P@60Hz等,
DP协议版本	DisplayPort1.2协议
最大传输速率	21.6Gbit/s
USB协议	USB2.0、USB1.1、USB1.0
最大工作电压、电流	5V/600mA
工作温度范围	-10 to +60°C
工作湿度范围	5 to 90%RH (无冷凝)
电源适配器规格	AC 100V-240V 50-60Hz输入, DC5V/1A输出
产品材质	铁壳
产品尺寸	220x58x57(mm)
产品重量	546g

## 配件清单

序号	名称	数量	备注
1	产品主机	1	
2	遥控器	1	
3	DP线	8	
4	USB线	4	
5	电源适配器	1	
6	用户手册	1	
7	保修卡	1	

## 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。

# DP KVM Dual Monitor Switch 4 In 2 Out

## 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

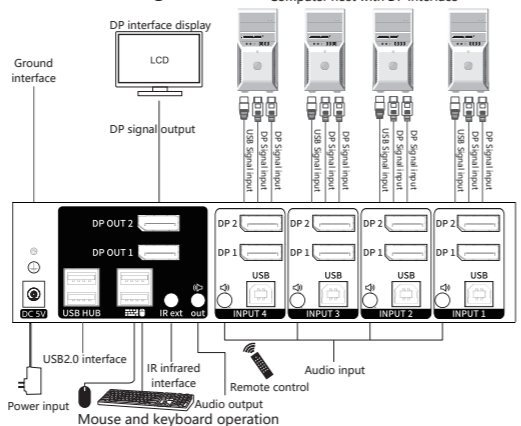
This DP KVM dual monitor 4x2 switch enables two computer hosts to simultaneously display on primary and secondary screens, while supporting shared keyboard, mouse, printer, USB drives, and other USB devices. It features adaptive EDID display, supports DP1.2 protocol, resolution up to 3840x2160P@60Hz. With excellent image processing and compatibility, it ensures stable signal transmission, making it suitable for video conferencing, multimedia education, securities trading, finance, office applications, and other fields.

## Product Features

- Compatible with multiple systems including Windows, Mac, Linux, and Android;
- Supports USB 2.0 and USB 1.1 devices;
- Supports DisplayPort1.2 protocol standard;
- Supports input and output resolutions up to 3840\*2160@60Hz YUV4:4:4;
- Supports automatic USB device detection, auto-scanning, computer sleep/wake functions;
- No drivers required for plug-and-play ease of use;
- Compatible with with most wireless, mechanical, and gaming keyboards and mice;
- Supports flexible input switching through keyboard hotkeys, mouse, front-panel buttons, infrared remote, or RS232 serial port;
- Built-in ESD protection allows for safe hot-plugging of devices.

(Please refer to the actual product)

## Connection Diagram



## Installation method and instructions for use:

1. Connect the computer devices to the KVM switch using the provided cables (see wiring diagram).
2. Connect the monitors and USB peripherals (keyboard and mouse) to the KVM switch.
  - Ensure all cables are correctly connected before powering on the device.
  - Disconnect the power plug during cleaning or when the device will not be used for an extended period.
  - Use only the dedicated power adapter supplied with this product, and operate within the voltage range specified on the adapter.
  - Operating temperature: 0°C to 40°C; Operating humidity: 5% to 85% RH (non-condensing).

## Switching Method

- 1: Panel Key Switch  
Press the button on the KVM switch panel to switch to the corresponding host.



- 2: Remote Control Switch  
Directly align the KVM switch panel with the remote control to switch to the corresponding host.

- 3: Mouse Control  
Double-click the mouse middle wheel + right button(Cycle to the right);  
Double-click the mouse middle wheel + left button(Cycle to the left);  
The operation takes less than 2.5 seconds (see diagram below):



- 4: Keyboard Switch  
See attached table: Keyboard Hotkey Functions

Switching Hotkeys: 5 modes available:R'Ctrl/L'Ctrl/Scroll Lock/Num Lock /Caps Lock Using R'Ctrl as an example: (Default is the R'Ctrl key)	
Double click R'Ctrl+1~4+Enter	Switch to input channel 1~4
Double click R'Ctrl+B+Enter	Buzzer:On/Off
Double click R'Ctrl+T+Enter	Auto-Detection:On/Off
Double click R'Ctrl+M+Enter	Mouse switch function:On/Off
Double click R'Ctrl+R+Enter	Reset
Double click R'Ctrl+S+Enter	Auto-Scan:On/Off
Double click R'Ctrl+S+8-999+Enter	Set Auto-Scan Time
Double click [Right Ctrl] + Left Ctrl + Enter	Switch to L'Ctrl mode
Double click [Right Ctrl] + Scroll Lock + Enter	Switch to Scroll Lock mode
Double click [Right Ctrl] + Num Lock + Enter	Switch to Num Lock mode
Double click [Right Ctrl] + Caps Lock + Enter	Switch to Caps Lock mode
Double click [Right Ctrl] + Right Ctrl + Enter	Switch to R'Ctrl mode

Note: If the Ctrl key is changed to a mode such as Scroll Lock or Num Lock, the function switch key will become the corresponding hotkey.

- 5: RS232 Serial Communication Switch  
See attached table: RS232 switching code table

Serial Port Settings	Baud rate 115200bps, 8 data bits, 1 stop bit, Checksum: None, hexadecimal
Input 1	3030 3030 3030 0a0a 0d0d
Input 2	3030 3030 3031 0a0a 0d0d
Input 3	3030 3030 3032 0a0a 0d0d
Input 4	3030 3030 3033 0a0a 0d0d

## Technical Parameter

Input and output support resolution	3840x2160P@60Hz/30Hz、2560x1440P@144Hz/120Hz/60Hz、1920x1080P@60Hz、1280x720P@60Hz, etc.,
DP protocol version	DisplayPort1.2 protocol
Maximum transmission rate	21.6Gbit/s
USB protocol	USB2.0、USB1.1、USB1.0
Maximum voltage and current	5V/600mA
Working temperature range	-10 to +60°C
Working humidity range	5 to 90%RH (no condensation)
Power adapter specifications	AC 100V-240V 50-60Hz input, DC5V/1A output
Product material	Metal shell
Product size	220x58x57(mm)
Product weight	546g

## Packing List

No.	Parts	Quantity	Note
1	Product Host	1	
2	Remote Control	1	
3	DP Cable	8	
4	USB Cable	4	
5	Power Adapter	1	
6	User Manual	1	
7	Warranty Card	1	

## 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 by yourself, except as expressly instructed in the manual.