

3 PORTS DP+DP+HDMI  
TRIPLE MONITOR KVM SWITCH

USER MANUAL

Model:KVM303DH

## 1. Description

This USB & HDMI+2\*Displayport KVM switch can control 3 computers or laptops with 1 independent set of keyboard and mouse, share 3 monitors and 4 USB3.0 hub. Supports multiple display modes (extended, mirrored and splicing wall). It is the best KVM switch to improve your productivity and make your workspace tidier, also a premium choice for work and home.

## 2. Features

- >. Triple monitors output support extended, mirrored and splicing wall display
- >. HDMI 2.1 Compatible input and output ports
- >. Displayport 1.4 Compatible input and output ports
- >. Supports Displayport video resolutions up to 4K@144Hz,8K@30Hz
- >. Supports HDMI video resolutions up to 4K@120Hz,8K@60Hz
- >. Support Deep Color
- >. Switching modes: Physical button and wired remote
- >. High compatibility, can auto-match source and display device
- >. Built-in automatic adjustment system, make the image smooth, clear and stable
- >. Built-in ESD protection system
- >. Simple to install, plug and play

### 3. Packing list

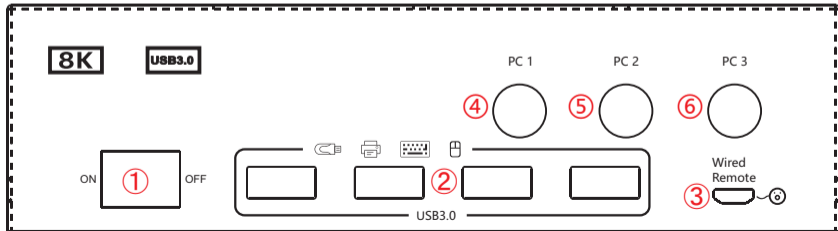
DP HDMI KVM Switcher-----	1 pc
USB cable-----	3 pcs
Wired remote -----	1 pc
User manual-----	1 pc

Parameter		Description
Video	Standards	Displayport 1.4 , HDMI2.1
	DP Resolution range	Up to 8K@30Hz 、 4K@144Hz /120Hz/60Hz; 1440P@144Hz/120Hz/60Hz; 1080P@240Hz /165Hz/144Hz/120Hz/60Hz (Depending on the system and the connected hardware)
	HDMI Resolution range	Up to 8K@60Hz; 4K@120Hz/60Hz; 1080p@60Hz
	HDMI Cable Range	<5M(Res:1920*1080@60Hz) <3M (Res:3840*2160@60Hz)

	DP Cable Range	<2M(Res:3840*2160@144Hz)
USB	Interface protocols	USB3.0
Other	Power supply	DC/5V-12V Adapter Charger
	Power dissipation	MAX 5W
	Temperature	Operating: -5°C ~ +70°C
	Humidity	Operating: 5% ~ 90%

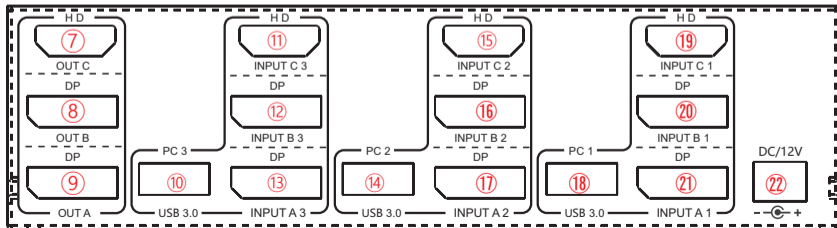
## 5.Interface Introduction

front panel















Describe	Code	Description
Turn on/off	①	Turn on/off the power supply of the KVM switch
USB3.0	②	4 USB3.0 output Ports for Keyboard/mouse/HDD etc
SELECT	③	Wired Remote Control
PC 1	④	Switch Button for PC 1
PC 2	⑤	Switch Button for PC 2
PC 3	⑥	Switch Button for PC 3






## Rear panel








	Code	Description
Monitor	⑦	Connect to HDMI Monitor,Use HDMI Cable
	⑧	Connect to Displayport Monitor,Use DP Cable
	⑨	Connect to Displayport Monitor,Use DP Cable
PC 3 Connect	⑩	Connect to computer3 USB Port;Use USB3.0 Cable
	⑪	Connect to computer3 HDMI Port ;Use HDMI Cable
	⑫	Connect to computer3 Displayport 1 Port ; Use DP Cable
	⑬	Connect to computer3 Displayport 2 Port ; Use DP Cable
PC 2 Connect	⑭	Connect to computer2 USB Port;Use USB3.0 Cable
	⑮	Connect to computer2 HDMI ports ; Use HDMI Cable
	⑯	Connect to computer2 Displayport1 ports ; Use DP Cable
	⑰	Connect to computer2 Displayport2 ports ; Use DP Cable

	Code	Description
PC 1 Connect	⑱	Connect to computer1 USB Port;Use USB3.0 Cable
	⑲	Connect to computer1 HDMI Port ;Use HDMI Cable
	⑳	Connect to computer1 Displayport 1 Port ; Use DP Cable
	㉑	Connect to computer1 Displayport 2 Port ; Use DP Cable
	㉒	Connect DC/12V Adapter to KVM Switch

 PC   NOTE BOOK	Interface	1*HDMI 	1*MINIDP 	1*DP 	3*USB-C 	Only USB-C 
	Adapter					
		HDMI to HDMI Cable	MINI DP to DP Cable	DP to DP Cable	USB-C to DP*2 +HDMI*1	<b>MST USB-C Dock (DP+DP+HDMI)</b>
	Index	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
Note: VGA interface is not supported, please do not use VGA TO HDMI converter						

 <b>Monitor Aor B Displayport</b>	Interface	 HDMI Port	 Display Port	 USB-C
	Adapter	✘	 DP to DP Cable	✘
	Index	*****	*****	*****

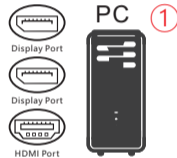
 <b>Monitor C HDMI Port</b>	Interface	 HDMI Port	 Display Port	 USB-C
	Adapter	 HDMI to HDMI Cable	✘	✘
	Index	*****	*****	*****

## 6. Technical Q&A.

**Q1.** What kind of PC hosts are needed?

**A1.** Three PC hosts are required, both of which need to support triple Displayport (1\*HDMI and 2 \* DP) outputs.

As shown in Figure ①.



**Q2:** What if one of the computer hosts with a DP interface and a MINI DP interface?

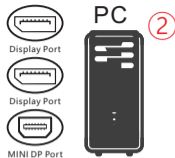
**A2:** For DP interface, directly connected to the KVM switch with DP cable.

For MINI DP interface need to use a "MINI DP to DP Cable" to connect to the KVM switch and computer.

As shown in Figure ②:

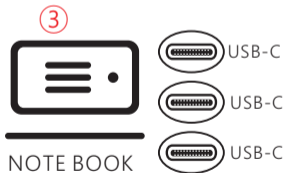


### DP(MINI DP) to DP Cable



Q3: The laptop has three USB-C output, can I use it?

A3: Yes, but we will need two separate USB-C to DP cable and one separate USB-C to HDMI Cable or USB-C docking station with 2\*DP and HDMI port.



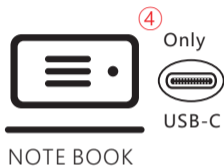
8K USB C to DP Cable\*2  
8K USB C to HD Cable\*1



USB-C docking station  
with 2\*DP port /1\*HDMI

Q4: Is it possible to use my laptop with only USB-C output (no DP)?

A4: Not recommended; if you have to use it, you need to purchase a "MST docking" which can support dual Ports DP and HDMI output.



MST TRIPLE 2\*dp and hdmi out dock

**Tip:**

- 1> If using the MST multi-screen docking station, the computer CPU requires support for 11th generation; Docking station resolution of 4k@30Hz or 1080p@60Hz when dual screen display
- 2> (Apple M1/M2 only supports one external screen, not multi-screen output);
- 3> When the computer only plugs in one input, it can only support single screen display;
- 4> When outputting from Input A1/A2, it can only output from Output A; similarly when outputting from Input B1/B2, it can only output from Output B;

5>When inputting from the DP port, only the DP display can be output from the DP port, and when inputting from the HDMI port, only the HDMI display can be output from the HDMI port.

6>.When using the MST Docking station , Due to the resolution limitation of MST HUB, the resolution may vary when outputting three display

## **7.Warm tips.**

1. If you need 4K and above resolution, please use a 4K or above DP port monitor.

2. The computer needs to support output two (2\*DP and HDMI) sources by connecting the KVM switch to INPUT A /INPUT B and INPUT C respectively.

3. Conneting two USB cables to two computer hosts respectively to supply enough power for the KVM switch, and make the USB HUB function work at the same time;

4. If you use a 2.4G wireless keyboard and mouse, please plug the 2.4G receiver into the USB port on the front of the KVM; if you use a Bluetooth keyboard and mouse, you need a Bluetooth receiver connect to the KVM.

5. In order to get a good using experience, it is recommended to use three monitors with the same resolution.

6. When computers work with 4K@60Hz resolution, please use a power adapter to connect the DC power port of the KVM switch.

## 8. Multiple screen setup.

Windows system to quickly set Multiple-screen output:

1. Press Windows and P on the keyboard
2. Select Extend or Duplicate
3. Enter to confirm



### PROJECT

 PC screen only

 Duplicate

 **Extend**

 Second screen only

## Triple screen monitor

DP monitor



DP monitor



HD monitor



## 9.Computer External monitor sound Settings.

1>. Triple monitors which support audio output is required;

2>. If the audio port of monitor is a 3.5mm interface, an active audio system needs to be added;Take Windows 11 as an example.

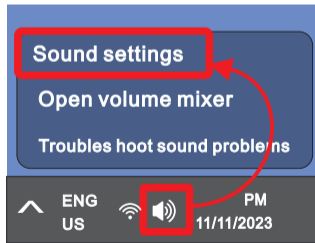
Setting1:

Speaker in the bottom right corner of the screen>Right mouse button>Open sound settings>Sound (output)>Select output device

1>Monitor audio ( Monitor A or Monitor B or Monitor C )

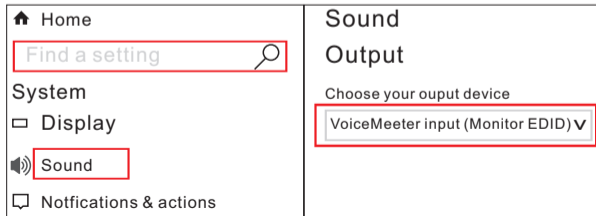
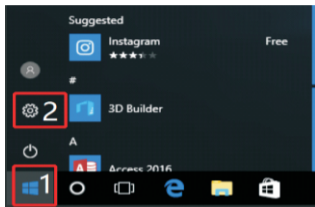
2>PC Audio

**Note:Sound can only be output from one of the display terminals**



## Setting2:

Start menu > Settings > Sound > Output > Select Output Device



KCEVE SUPPORT  
Whats APP connect





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