Kinan KVM-1508XX 2-Port Dual Monitor UHD Display Port KVM Switch User Manual

2-Port Dual Monitor
UHD DisplayPort KVM Switch

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DM5202   User Manual

User Notification

- All information, documentation, and specifications contained in this manual are subject to change without prior notice.
- The manufacturer does not make any explicit or implied statement or guarantee about the contents of this document, especially for merchantability or fitness for any specific purpose. Any manufacturer's equipment described in this manual is sold or licensed as it is.
- If the equipment is damaged artificially after purchase, the buyer (not the manufacturer) shall bear all costs for necessary repair and any losses caused by equipment defects.
- If the correct operating voltage setting is not selected before operation, the manufacturer will not be responsible for any damage caused by system operation. Please make sure the voltage has been set correctly before use.

Overview

DM5202 is a 2 in 2 out UHD KVM switch that allows users to access to two dual DP display port computers via a single USB keyboard and mouse. Both input and output support DisplayPort1.2. With a built-in 1 USB 2.0 hub and 2.1 channel audio for rich bass surround sound. It supports superior video quality up to 4K UHD @ 60 Hz and 4K DCI @ 60Hz, displaying vivid high-definition images and providing high-quality sound effects for music, movies and games.

The DM5202 supports supports switch via the front panel buttons, hotkeys and mouse. With a built-in USB 2.0 hub, the KVM switch supports connection to other USB peripheral devices.

The screen dynamic synchronization display can optimize display resolution, speed up switching between systems, and ensure that the screen can be displayed normally (when switching ports, the windows opened on the extended screen will not be restored to their default setting of the main screen).

The independent (asynchronous) switching function supports switching keyboard/mouse, audio and USB HUB independently. This will eliminate the need to purchase a separate USB hub or a peripheral sharer, such as a print server, modem splitter, etc.

The DM5202 KVM switch combines Ultra HD 4K resolution, USB 2.0 hub and friendly operation to provide innovative desktop KVM switching technology.

Product Features

- A single USB keyboard and mouse controls 2 computers with dual DP display interface.
- Supports DisplayPort1.2 input and output.
- Supports screen dynamic synchronization display—optimize display resolution, speed up switching between systems, and ensure that the screen can be displayed normally (when switching ports, the windows opened on the extended screen will not be restored to their default setting of the main screen).
- Supports 4K UHD (3840 x 2160 @ 60 Hz) and 4K DCI (4096 x 2160 @ 60Hz) Ultra HD resolutions.
- Computer selection via front panel buttons, keyboard hotkeys, mouse.
- Provides a USB 2.0 hub.
- Supports independent (asynchronous) switching function, which can switch the keyboard/mouse, audio and USB Hub independently.
- Compatible with DisplayPort 1.2, HDCP 2.2 .
- Supports DisplayPort audio.
- Supports high quality 2.1 channel surround system.
- Supports switching ports via mouse.
- Hot-pluggable–Add or remove computers without power down the switch.
- Automatic scanning mode for monitoring all computers.

Required equipment

Please follow the table below to prepare the required equipment and cables.

	DM5202
Console	- Two DP monitors - One USB mouse - One USB keyboard - Microphone and Speaker
Computers (Each computer must be equipped with the following components)	- Two DP ports - One USB Type-A port - Audio and Microphone Port
Cables	It's recommended to use the KVM cables in the package of our equipment to ensure video quality.

Note:

1. Ensure that the operating system of the computer is supported. Refer to the operating system part for more details.
2. The display effect of the monitor is affected by the quality of the computer graphics card. It is recommended to use high-quality displays.
3. The monitor display quality is affected by the cable. The total length from the signal source to the monitor should not exceed 3.3m (1.5m between the computer and KVM switch; 1.8m between KVM switch and monitor). If you need additional cables, please contact your supplier to buy cables approved by the manufacturer.
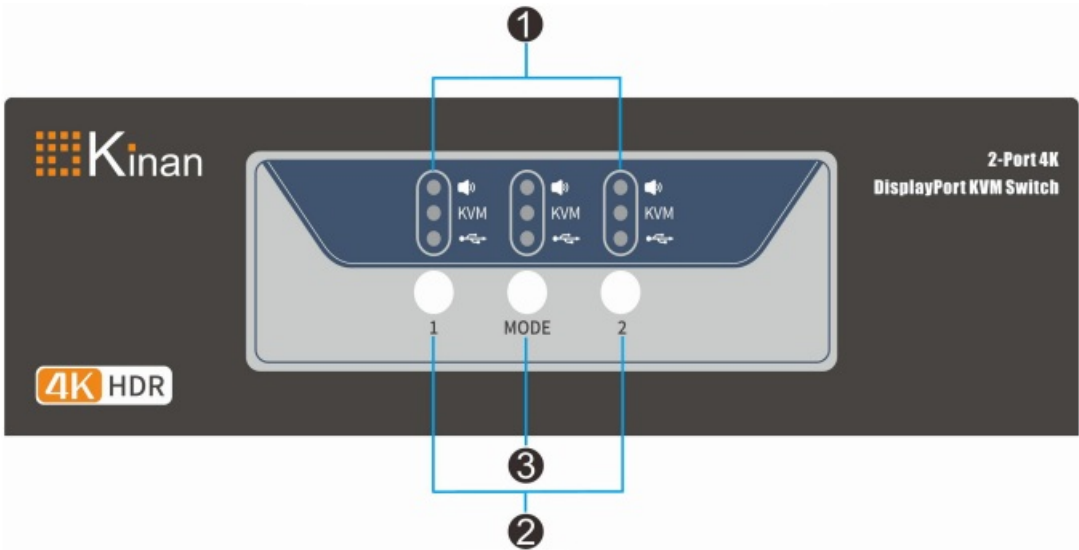
Operating system

The supported operating systems are shown in the following table:

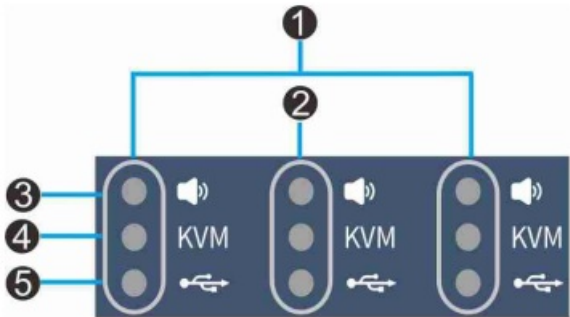| OS |
|---|
| Windows |
| Linux |
| Mac |

Components

Front panel

No.	Function	Description	
1	LED Status Panel	This panel contains three icons to indicate the modeandport status. And the mode and port selection buttons havethree corresponding LED icons to indicate the status – KVM, audio and USB HUB.	
2	Port selection button	1	Press the button to switch tothecorresponding port
		2	
3	Mode selection button	This button allows you to cycle between four modes – All – USB HUB+KVM – Audio+KVM – KVM. Long press for more than 8s to restore factory settings (hotkey Stroll-Lock/mouse switch function/auto scan time will be restored to factory settings).	

LED status panel

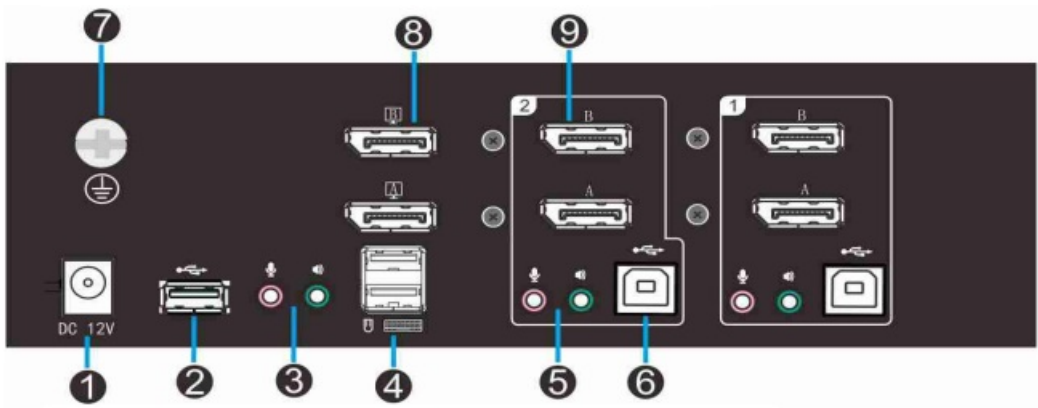| No.	Components
1	Port LED
2	Mode Selection LED
3	Audio LED
4	KVM LED
5	USB HUB LED

Mode selection button and mode indicator

Pressing the Mode Selection button at different times will light up different Mode LED. Port selection button

Press Button	Mode LED that lights up
Once	KVM Audio USB HUB
Twice	USB HUB KVM
Three times	Audio KVM
Four times	KVM

Long press the mode button for more than 8 seconds to restore factory settings (hotkey Stroll-Lock/mouse switch function/auto scan time will be restored to factory settings)

Back panel

No.	Function	Description
1	Power input	Connect to the 12V power supply
2	USB2.0 interface	Plug USB peripherals (printers, scanners, drivers, etc.) into this port
3	Audio output and microphone input	Connect speaker and microphone here
4	USB HID ports	Connect USB keyboard and USB mouse
5	Audio input and microphone output	Connect the computer's audio and microphone ports
6	USB input interface	Connect the computer to the device using the USB cable
7	Grounding screw	Grounding the equipment
8	DisplayPort output	Connect DP monitor
9	DisplayPort input	Connect to the computer's DP display port

Hardware Settings

1. It is important that all connected equipment must be properly grounded to prevent damage from electrical surges or static electricity.
2. Ensure that power of all devices will be connected to this installation are turned off. You must unplug the power cord of all computers with "Keyboard on" function.
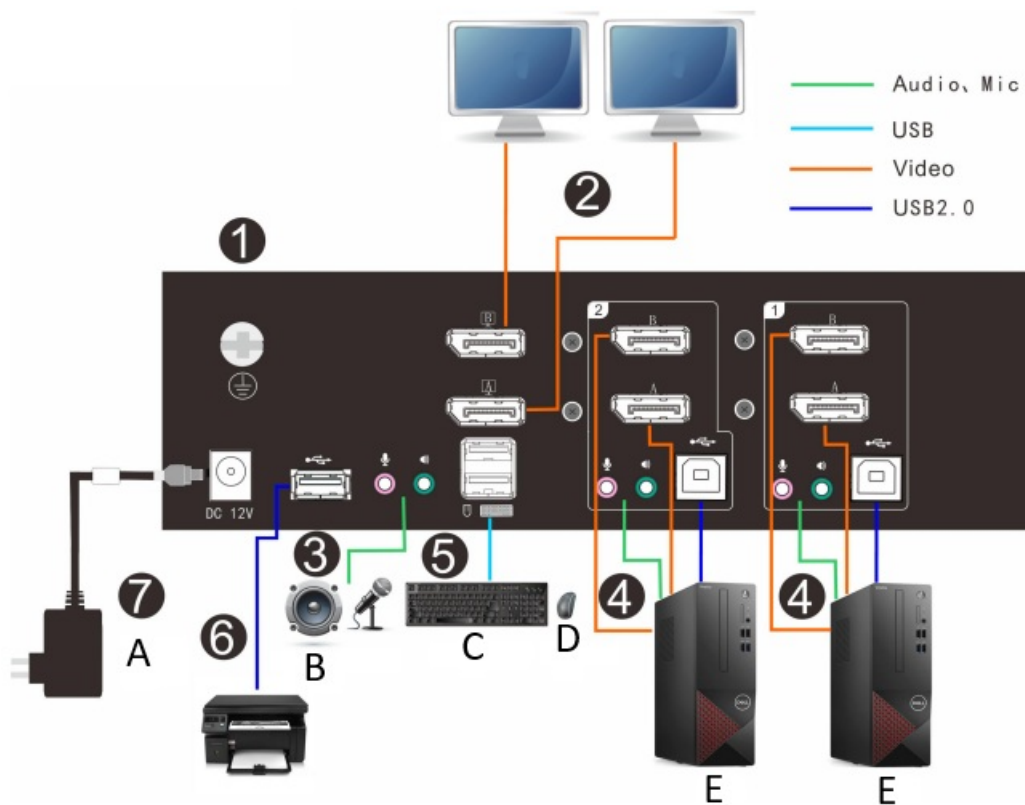
Installation guide
Please refer to the installation diagrams on the next page and do the following:

1. Ground the equipment (Fig. **(1)**).
2. Plug the monitor into the DP port on the rear panel of the equipment, and power on the monitor (Fig. **(2)**).
3. Plug the microphone and speaker into the audio port on the rear panel of the equipment (Fig. **(3)**)
4. Plug the DP cable into socket A of the KVM port section of the switch, then plug the USB cable, microphone/speaker cable into the corresponding sockets. Plug another DP cable into socket B of the same KVM (Fig. 4).
5. Plug the other end of the microphone/speaker cable into the corresponding port of the computer (Fig. **(4)**).
6. Plug the other end of the DP cable and USB cable into the corresponding ports on the computer. Repeat steps 4, 5 and 6 to install another computer (Fig. **(4)**).
7. Plug the USB keyboard and mouse into the USB HID port on the rear panel of the equipment (Fig. **(5)**).
8. (Optional) Plug the USB peripheral into the USB peripheral port (Fig. **(6)**).
9. Plug the included power adapter into an AC power source, and then plug the power adapter cable into the power jack of the KVM switch (Fig. **(7)**).
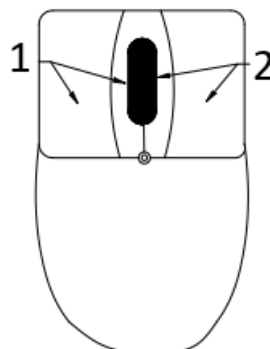10. Power on.

Note:

- By default, the switch is on the first port after it is powered on.
- It is recommended that the total length of the cable from the computer to the monitor (including KVM) does not exceed 3.3 meters.
- Selecting high-quality cables helps to ensure the resolution of 4K UHD (3840 x2160 @ 60hz) or 4K DCI (4096×2160 @ 60hz) can be reached.

Connection diagram

A: Power Supply
B: Speaker Mic
C: Keyboard
D: Mouse
E: PC

Mouse Switching

1. Middle + left

Switch to the previous port

2. Middle + right

Switch to the next port

| Mouse Switching | Middle button + left button | Switch to the previous port |
| | Middle button + right button | Switch to the next port |

Hotkey Operation

The DM series provides a wealth of hotkey functions to control and configure the device using the keyboard.

Press [Scroll Lock] twice continuously (within 2S interval) to enter the keyboard hotkey mode. If no key is pressed within two seconds in the keyboard hotkey mode, the keyboard will exit the hotkey operation mode.

The hotkey commands are as follows: [Scroll Lock] twice + the corresponding key for each function.

Function	Hotkey	Description
Port Switching	+ 1~2	Switch the port according to the set switching mode, for example: [Scroll Lock] +[Scroll Lock] + [2] —> Quickly switch to port 2
	+ ↑/↓	Continuously switch to the previous or next port according to the set switching mode
Auto scan	+ S	Invokes Auto Scan. The KVMfocus cycles from port to port at 5 second intervals. Press any key on the keyboard to exit the automatic scan. The automatic scantime is 5-99s, move the mouse to extend the scan time
Set auto scan interval	+ T 0~9 Enter	Set the automatic scan interval (5-99s).
Hotkey cycle	+ F	Hotkey Cycle Mode Scroll Lock→L_Ctrl→Scroll Lock
Mouse Switching	+ W	Enable/disable mouse switching
Audio lock/unlock	+ A	Lock the audio focus on the current port,press this hotkey again to unlock
USB HUB lock /unlock	+ U	Lock the USB HUB on the current port, press this hotkey again to unlock

Specifications

Model			DM5202
Computer Connections			2
Port Selection			Pushbutton; Hotkey; Mouse
Connectors	Console	Monitor	2 * DisplayPort
		Keyboard/mouse	2 * USB type A White
		Microphone (Pink)	1* 3.5mmAudio Jack
		Speaker (Green)	1 * 3.5mmAudio Jack
	KVM	Video input	4 * DisplayPort
		USB input	2 * USB2.0 type B White
		Microphone (Pink)	2 * 3.5mmAudio Jack
		Speaker (Green)	2 * 3.5mmAudio Jack
	USB2.0 port		1 * USB type A White
Switch	Menu selection		3 * Buttons
LED	Audio Mic		3 * (Green)
	KVM		3 * (Green)
	USB		3 * (Green)
Power Input			12V/ 2A
Video Resolution			4096×2160@60Hz (4KDCI/60Hz) 3840×2160@60Hz (4KUHD/60Hz)
Power Consumption			4W
Environment al Requirement	Operating Temperature		0-50℃
	Storage Temperature		-20-60℃
	Humidity		0-80%RH, Non-condensing
Physical Features	Material		Metal
	Net Weight		1kg
	Product Dimension (W×D× H)		210mmx 109.2mmx 66mm
	Package Dimension (W×D× H)		395mm x 274mmx 110mm

Frequently Asked Questions

No.	Issue	Solution
1	No display	Check whether the port indicator on the front panel of the device is on.
		Check whether the USB cable is connected (USB-Bconnectstothe KVM switch, USB-A connects to the PC host).
		Check whether the monitor is connected to the KVMswitch.
		Check whether the monitor and the PC host arepowered-on,and the monitor is directly connected to the PC host.
2	No mouse and keyboard	Check whether the USB cable and the DP signal cableareconnected to the same PC host.
		Unplug all the USB cables of port 1 and port 2 respectivelyandreconnect them one by one.
		If you are using a mechanical mouse and keyboardor amousewith macros, please connect to the USB 2.0 port.
3	No audio microphone	Check whether the audio cable, microphone cable, andDPsignal cable are connected to the same PC host.
		Ensure that the audio and microphone devicesarepowered-on.
		Check whether the audio and microphone devicesareconnected to the KVM switch properly.
		Check whether the sound card of the PC host has recognizedthe audio and microphone equipment .
4	Display video is flashing	Check whether the DP signal cables at both ends of the KVM are connected properly
		It is recommended that the total length of the cable from the signal source to the display does not exceed 3.3meters, if it exceeds 3.3 meters, a high-quality signal cable must be connected.

Contents

Documents / Resources

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References

- ⠿ [**Kinan-Professional KVM over IP, LCD KVM Console, KVM Switch Manufacturer**](#)

- ⠿ [**Kinan-Professional KVM over IP, LCD KVM Console, KVM Switch Manufacturer**](#)