

Properties	(Length × Width × Height)	270×110×42mm
	Unit Weight	2KG

◆ Installation Diagram

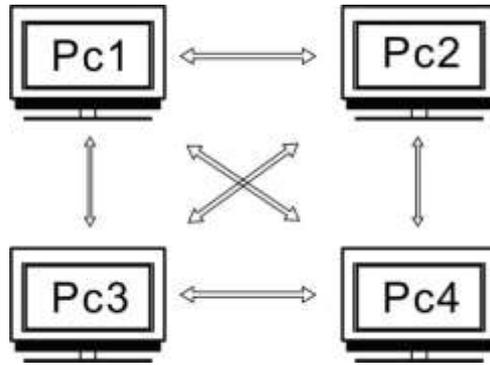
In case of complete power cut-off, connect all input and output devices according to the product connection diagram. Then power on the relevant devices and turn on each input device in turn. The startup is completed and the standby state is Entered.



※ Screen Crossing Function: the HOT KEY must be on (the green light is on).

(1) Screen crossing operation of **four-view**: double-click the keyboard [Caps Lock] + [Enter] or press the front-end [MULTI-VIEW] key to Enter the screen crossing state. The orange indicator of PC1 lights up in default, which enables the screen crossing from up, down, left, right and diagonal directions. To cross the screen, **press and hold the wheel key in the middle of the mouse, and move the cursor to the target screen in the arrow direction in the figure below, and release the wheel key** to complete a screen crossing operation. When the screen is crossed to a certain port, the front-end orange indicator light of the port will light up.

Note: Please press [Caps Lock] + [Caps Lock] + [L] + [Enter] in case of iOS, Linux, Unix and Android systems. The keyboard and mouse can be used after conversion.



(2) Screen crossing operation of screen **1 2**: in the screen crossing state, press **[Caps Lock] + [Caps Lock] + [G] + [Enter]**, then press and hold the wheel key in the middle of the mouse, drag the mouse to the target port, and then release the wheel key to cross between hosts 1 and 2.

(3) Screen crossing operation of screen **3 4**: in the screen crossing state, press **[Caps Lock] + [Caps Lock] + [H] + [Enter]**, then press and hold the wheel key in the middle of the mouse, drag the mouse to the target port, and then release the wheel key to cross between hosts 3 and 4.

(4) **Control the screen size with mouse:** double-click the mouse wheel in the middle of the mouse on the screen where the cursor is located to switch the channel into full-screen mode, and double-click the mouse wheel to return to the four-view display. As long as the cursor crosses the screen to any channel and the mouse wheel is double clicked, the full screen of this channel and four-view display can be switched. The same applies to the screen **1 2** and **3 4**.

※ Switching Function (used as single-view KVM switch)

I. Push button Switch



- ① **1 2 3 4** Single-view status key
- ② Display **1 2** / **3 4** screen status key: the screen of the four channels is displayed on one display, and the mouse and keyboard are operational at the port where the cursor is located.
- ③ **1 2** Screen status key: display the screens of the first and the second channel.
- ④ **3 4** Screen status key: display the screens of the third and the fourth channel.
- ⑤ **[MULTI-VIEW]** button for screen crossing mode and state: Press and hold the middle scroll wheel of the mouse and drag the cursor to the target port screen to conduct the operations. Press and hold the middle scroll wheel of the mouse to drag left and right, up and down, diagonally to the target port and then release.
- ⑥ Switch state ON/OFF Key: (switch between single screen display)
- ⑦ Synchronizing state key: the mouse and keyboard can be used to simultaneously control 4

computers with the same configuration in four-view mode.

- ⑧ Hot Key ON/OFF Key
- ⑨ EDID key: press to switch between 1080P and 4K.
- ⑩  Audio selection key: in the four-view mode, press it to switch between audio output in turn.

II. Keyboard Hot Key Switch

HOT KEY switch is on(Hot key light is green)

Double-click the keyboard right [Ctrl] + [Enter] to Enter the switching mode, and then switch with the keyboard hot key. Double-click the keyboard right [Ctrl] + **Port Number** + [Enter] to quickly switch to the target port.

Hot key setting: The default hot key is the right [Ctrl]. In case the right [Ctrl] key conflicts with other function keys, the hot key can be set as the [Num lock], [Scroll Lock] or the left [Ctrl] key. The operation details are shown in the following table.

Double click the right 【Ctrl】 → 【Num lock】 → 【Enter】	Hotkey change to 【Num lock】
Double click the right 【Ctrl】 → left 【Ctrl】 → 【Enter】	Hotkey change to the left 【Ctrl】
Double click the right 【Ctrl】 → 【Scroll Lock】 → 【Enter】	Hotkey change to 【Scroll Lock】
If the hotkey is changed to 【Scroll Lock】 , You want to change it to the left 【Ctrl】 , Then double click 【Scroll Lock】 → the left 【Ctrl】 → 【Enter】	

Notes: a. When operating the hot key, double click must be done in one or less than one second. In excess of one second, the operation is invalid.

b. In case you have forgotten the changed hot key, you can reset it as right [Ctrl] by doubling clicking [Ctrl]+[Tab]+[Enter]. After the operation is completed, a “beep” will be given.

III. Wired Remote Push Button Switch

Wired remote push button switch and front panel push button have the same function and cannot be used at the same time.

(After the wired remote is plugged in, the key on the front panel of the splitter becomes invalid and can only be controlled with the wire controller)



◆ Turn on and off of Hot keys

(Default is turn on, 'Hotkey on' light is green)



- ① When the keyboard is in hotkey state, i.e. Hot Key on green light is on, double-click the right [Ctrl]+[M]+[Enter], and the buzzer will give off a "beep" sound. At this time, the mouse switch function is turned off, and the mouse interface of the switch will be switched to USB HUB function.
- ② When the keyboard is in hotkey state, i.e. Hot Key on green light is on, double-click the right [Ctrl]+[K]+[Enter], and the buzzer will give off a "beep" sound, and the Hot key on green light will be off. At this time, the hot key switch function of keyboard is turned off, and the mouse interface of the switch will be switched to USB HUB function.
- ③ Press the "Hot key on/off" key on the switcher when the mouse switch and keyboard hot key switch functions are turned off, and then the Hot Key green light will be on to resume the hotkey on state.

Notes: a. This function can be turned on or off according to customer requirements.

b. In case that some game mouse and multi-function keyboard cannot be used, please turn off "Hot Key on/off". Change and select switch by "wire control" or "panel key". Wire control and front-end buttons have the same function, and cannot be used at the same time. After the wire controller is turned on, it can only be switched with the external wire controller.

c. When the Hot key on green light is on, the keyboard and mouse must be inserted on the ports marked with the corresponding characters of "⌨" and "🖱" before the keyboard hotkeys can be operated. If the wireless set of mouse and keyboard is used, the Bluetooth receiver must be plugged into the port marked with the corresponding character "⌨", and the hot key function will be invalid if inserted incorrectly.

d. In the automatic scanning state, press the panel switch key or press any combination of hot keys, the automatic scanning will be automatically turned off.

e. When the Hot key on green light is on, some DVR hard disk recorders or other devices with the USB of composite signals are not supported by this device, and they can be supported after the hot key is turned off.

f. Color indication of two-color LED light: when the green light is on, it indicates that the port is running on with PC, and the orange light indicates that the port has been switched.

※ Synchronization Function (synchronous operation of many computers with the same configuration)

(1) Setting of PC Synchronization Function in Windows

When using the device for the first time, users should set it as shown below. The interface varies with system version. The following icons are provided only for your reference.

Double click right [Ctrl] + [Enter] to Enter the switch state. Set each PC as shown in the following

three steps.

- ① . Set the resolution: Open Windows, and right click the blank of the desktop to pop up



. Click “screen resolution” to pop up the image of
Set all the computer monitors at the same resolution.



- ② . Set the mouse: Turn on the computer, and then click  at the lower left corner to pop



up . Click “control panel” to pop up



Click “check the device and printer” to pop up

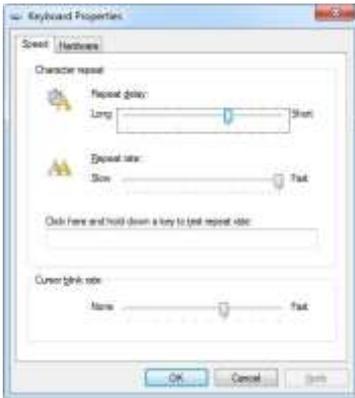


After the right click on the mouse, click the “mouse setting” to pop up
Click the “pointer options” to move the “select the pointer movement speed” marker to the middle position. After all the computers connected to this product have been set, Enter into the synchronization state and start the detection. Move the mouse that is connected to the synchronizer from the lower left corner to the upper right corner of the display. **In case the**

moving trail or position of the mouse of a computer is different from that of other computers, repeat the steps of “set the mouse”, to keep it identical with other computers.



③. Set the keyboard: Choose the keyboard icon just as you set the the mouse. Right click the mouse, and then click “keyboard setting” to pop up



Choose “speed” to set all the controlled computers at the same “repeat delay” and “repetition rate”, and then Enter into the synchronization state and start the testing. Click the test frame to flicker the cursor, and then hold a key of the keyboard connected to the synchronizer for a moment and then loose it. Check whether the quantities of characters appearing on the computer are the same. In case of inconsistency, please repeat the steps of “set the keyboard” to adjust the “repetition rate”, until the quantities of characters of all controlled computers are the same.

(2) After the step of (1) is set, the hot key must be in the on state. Double-click the keyboard [Shift]+[Enter] to move cursor of four views to the starting corner. After the cursors are aligned, four computers with the same configuration can be operated simultaneously.

◆ Description of keyboard hot key combination: (Take the default hotkey right [Ctrl] as an example, after each operation, a "beep" sound indicates the operation is successful)

Function Description	Hot Key Combination
Entry of four-view crossing state	Double click [Caps Lock] → [Enter]
Function of mouse and keyboard in the four-view crossing state at the designated port	Double click [Caps Lock] →Port Number→ [Enter]
Screen crossing of the first and second ports	Double click [Caps Lock] →G→ [Enter]
Screen crossing of the third and fourth ports	Double click [Caps Lock] →H→ [Enter]
Entry of single view switching state	Double click the right[Ctrl] → [Enter]
Single view switching to designated port	Double click the right[Ctrl] → Port Number → [Enter]

<p>Turn on/off the automatic scanning function: It is valid in the switching state, and the device will automatically switch in turn according to the set time. (Valid in the single-view switching state)</p>	<p>Double click the right[Ctrl] → S → [Enter]</p>
<p>Set the time interval for automatic scanning, which can range from 8 to 999 seconds (The system default is 8 seconds.). (valid in the single-view switching state)</p>	<p>Double click the right[Ctrl] → S → Number → [Enter]</p>
<p>Enable/ disable the detection function (disable in default). The automatic detection function refers to that: 1.The device is able to automatically detect the computer on state and off state at each port. 2.When a port is powered off or is pulled out from USB, it will automatically skip to the next port that is in the on state. When a shutdown port starts up, or an idle port newly has access to the device and starts up, it will automatically skip to the port that has just started up. 3. At the time of automatic scanning after the detection function is enabled, the online computers connected to the port are scanned, while those which are offline are not. (valid in the single-view switching state)</p>	<p>Double click the right 【Ctrl】 → T → 【Enter】</p>
<p>Entry of four-view synchronization state</p>	<p>Double click [Shift] → [Enter]</p>
<p>Screen synchronous crossing of the first and second ports</p>	<p>Double click [Shift] → G → [Enter]</p>
<p>Screen synchronous crossing of the third and fourth ports</p>	<p>Double click [Shift] → H → [Enter]</p>
<p>A PC joins or quits the synchronization. (valid in the four-view synchronization state)</p>	<p>1. Double click [Shift] → [Number of the port to quit synchronization] → [-] → [Enter] to quit the port synchronization. 2. Double click [Shift] → [Number of the port to join synchronization] → [+] → [Enter] to join the port synchronization.</p>
<p>Set the repeating function: Firstly Enter into the synchronization state Press the repeating key that has been set, and then the synchronizer will repeat corresponding keys at a speed of 30 times / second. Loose the repeating key to stop the repeating. After the synchronizer is powered off, the repeating key will retain its</p>	<p>1.Set the repeating key: Double click [Shift] → [Caps lock] → [the repeating key to be set] → [Enter] 2.Cancel the repeating key: Double click [Shift] → [Caps lock] → [the repeating key to be canceled] → [Enter] Note: You can set at most six different repeating keys by repeating step “1”.</p>

function.	
<p>The reset system helps to solve the problem of keyboard failure. (Note: The original hot key and state will not be changed.)</p> <p>a. Under the single-view switch state, the hot key combination 1 is used.</p> <p>b. Under the four-view synchronization state, the hot key combination 2 is used.</p> <p>c. Under the four-view crossing state, the hot key combination 3 is used.</p>	<ol style="list-style-type: none"> 1. Double click the right 【Ctrl】 →R→ 【Enter】 2. Double click [Shift] →R→ [Enter] 3. Double click [Caps Lock] →R→ [Enter]
<p>Turn off / on the buzzer:</p> <p>a. Under the single-view switch state, the hot key combination 1 is used.</p> <p>b. Under the four-view synchronization state, the hot key combination 2 is used.</p> <p>c. Under the four-view crossing state, the hot key combination 3 is used.</p>	<ol style="list-style-type: none"> 1. Double click the right 【Ctrl】 →B→ 【Enter】 2. Double click [Shift] →B→ [Enter] 3. Double click [Caps Lock] →B→ [Enter]
<p>Restoration function: Restore the default setup, such as the scanning time, repeating key and so on. However, this operation will not restore the right [Ctrl] as the switch hot key.</p>	<p>Firstly Enter the switch state: Right [Ctrl] + right [Ctrl] + [Enter], then double click right [Ctrl] + triple click [Esc] + [Enter]. Two “beeps” will be given to prompt a successful operation.</p>

◆ Packaging Accessories:

- 4* USB A-B Cable B 4.92 Feet (1.5 Meters)
- 1* power adapter
- 1* wired remote button
- 1* user manual in English

◆ Common Troubleshooting:

Failure description: Mouse and keyboard failure

Troubleshooting methods:

- a. Restart the device: turn off and on I/O switch of the power supply again;
- b. Reset the mouse and keyboard: right [Ctrl]+right [Ctrl]+[R]+[Enter] or right [Ctrl]+right [Ctrl]+triple click [Esc]+[Enter]
- c. Check whether the host USB cable is connected correctly;
- d. Check whether the USB driver is installed successfully;
- e. Unplug all USB cables, mouse and keyboard from the ports, and then plug in again.
- f. When the left and right mouse buttons cannot be operated in the Apple system, double-click the right [Ctrl]+[L]+[Enter];

[Ctrl]+[F2]+[Enter]; You can try this one by one depending on the system version.

g. Double-click right [Ctrl]+[Z]+[Enter] when the mouse becomes laggy or slow due to different systems (e.g. Linux).

Failure description: No display output

Troubleshooting methods:

- a. Check whether the cable connection between the host and the switch is correct;
- b. Restart the computer to allow KVM to re-identify the computer monitor;
- c. Press the EDID button of the panel to check whether the resolution of the display is too low;
- d. Check whether the input of display signal source is correct.

Failure description: No sound output

Troubleshooting methods:

- a. Check whether the audio device is connected correctly.
- b. Check whether the sound output device of the system is set correctly. In the Windows system, right-click the  loudspeaker icon in the lower right corner and then select the playback device to choose the target audio output.