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# TESmart HKS0402A1U HDMI DP Dual Monitor KVM Switch User Manual

**Contents**

**TESmart HKS0402A1U HDMI DP Dual Monitor KVM Switch**
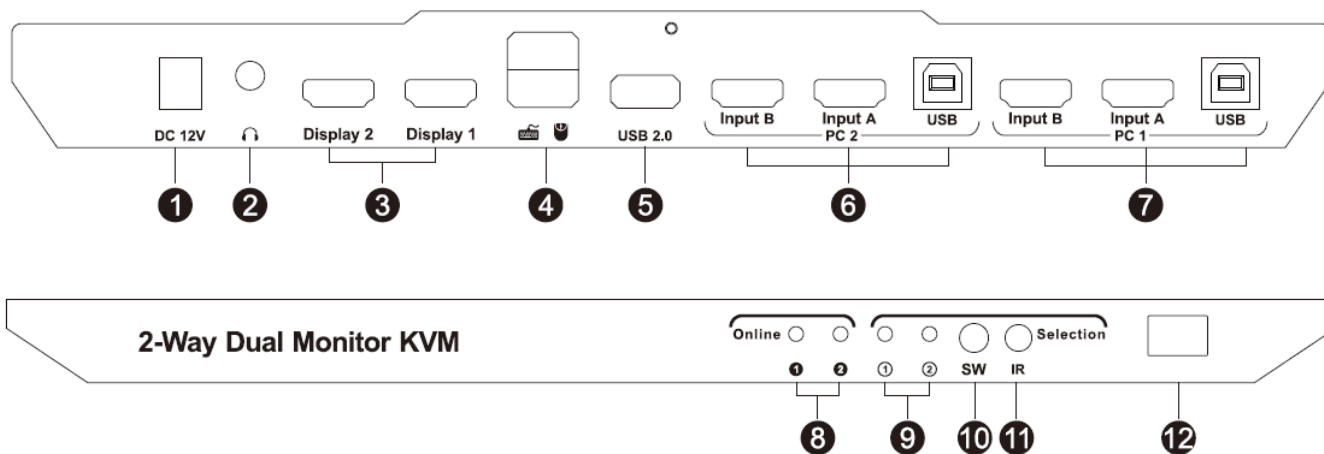
## Features

- Using only 1 set of keyboard, mouse and 2 monitors to control 2 computers
- Support Unix/Windows/Debian/Ubuntu/Fedora/Mac OS X /Raspbian/Ubuntu for Raspberry Pi and other Linux basic system
- Support resolution up to 3840*2160@60HZ
- Support hot plug, disconnect or connect devices to the KVM at any time without turning off PC
- With EDID emulators in each input port , keep PCs always have correct information, prevent displays setting change while switching input ports
- Support keyboard hotkeys, IR remote control and front panel button to control KVM
- Available to use keyboard and mouse without any delay after switching input sources
- With extra USB 2.0 port, it is possible to connect bar code scanner, USB hard device or another USB device
- Support keyboard and mouse pass-through mode to improve KVM compatibility

## Packing List

- 1 * 4×2 Dual Monitor HDMI KVM
- 1 * IR remote control
- 1 * DC 12V power adapter
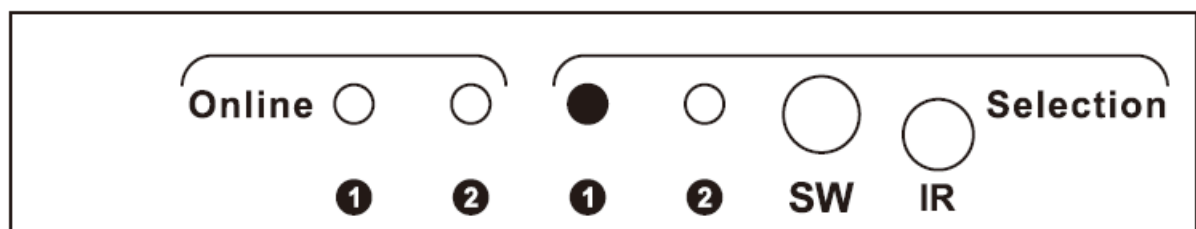- 1 * User manual

## Panel Description

| ID | Name | Description |
|---|---|---|
| | DC12V | DC 12V power supply |
| 2 | L/R audio output | Analog audio output, connect to speaker |
| 3 | HDMI output ports | Connect to HDMI displays |
| 4 | Keyboard and mouse input | Connect to keyboard and mouse |
| 5 | Standard USB 2.0 port | Connect to USB 2.0 devices, printers, USB drives |
| 6 | PC 2 Input | **HDMI input A/B:** Connect to the two outputs of the same computer<br><br>USB:Connect to computer by USB Type A to Type B cable |

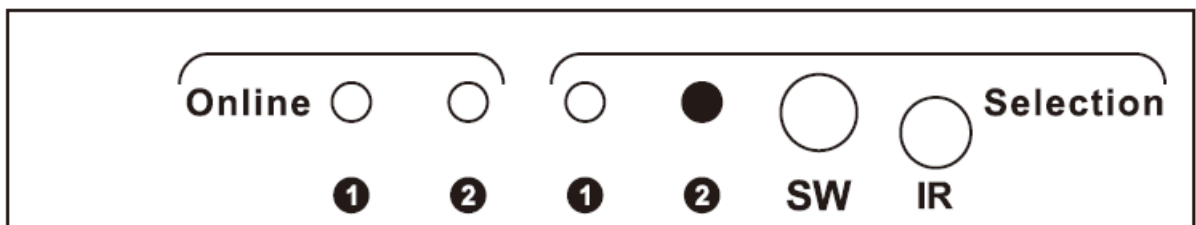| ID | Name | Description |
|---|---|---|
| 7 | PC 1 Input | **HDMI input A**/**B:** Connect to the two outputs of the same computer<br><br>USB:Connect to computer by USB Type A to Type B cable |
| 8 | USB connection status | LEDs will be lit if the USB TypeB ports connect to computers, and computers **are on** |
| 9 | Input selection status | Indicate current active selected input<br><br>**source**<br><br>LED1 on: Both monitors display PC1 LED2 is on: Both monitors display PC2 LED1&LED2 on: One monitor display one PC |
| 10 | Input selection button | Switch inputs between 2PCs |
| 11 | IR receiver | Receive IR remote signal |
| 12 | Power switch | Turn on or turn off power supply |

## Display Mode

**Display mode 1:**
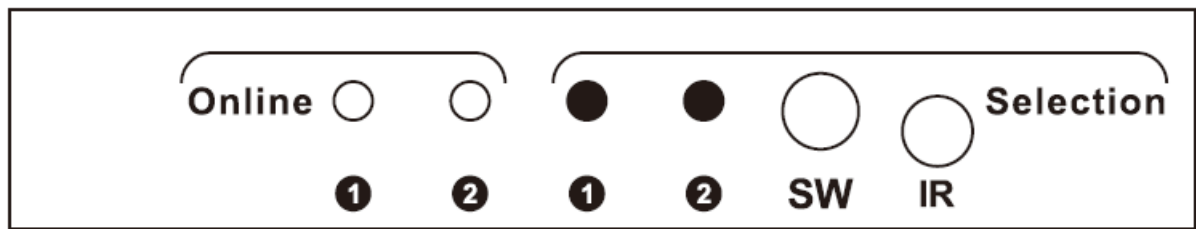LED1 on: Both monitors display PC1



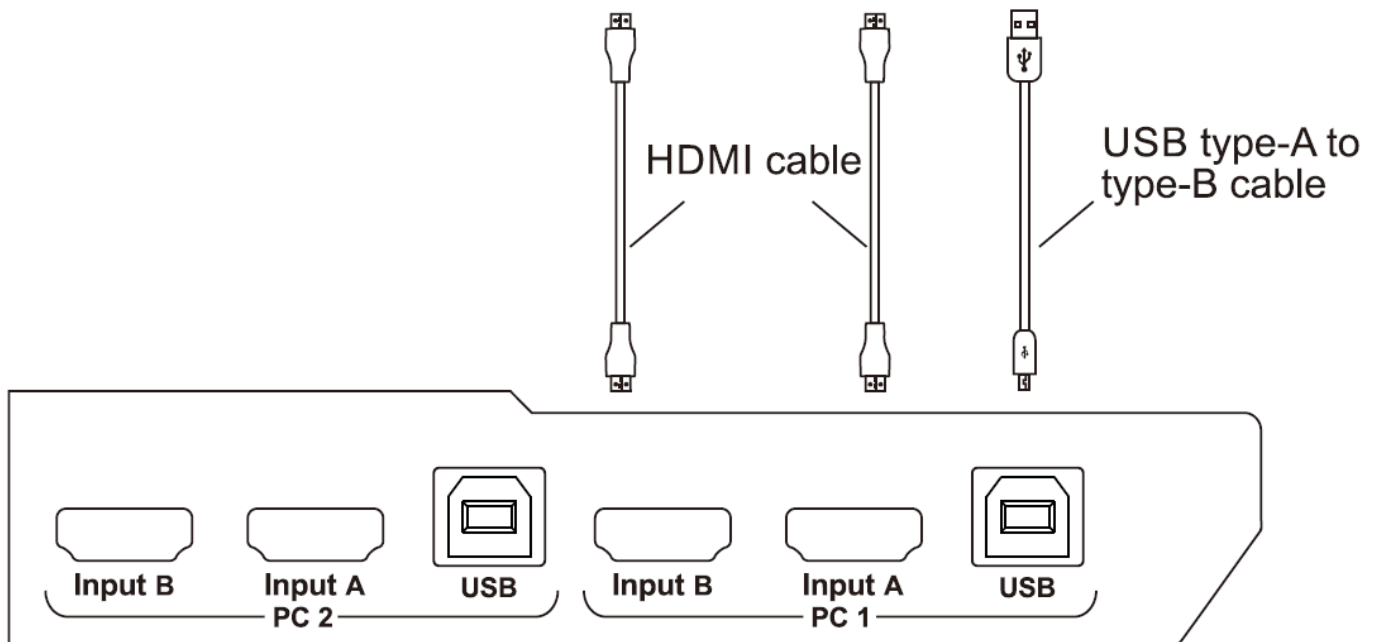LED2 on: Both monitors display PC2



**Display mode 2:**
LED1 &LED2 on: One monitor display one PC

## Connection Diagram

### Step1:
Connect the two outputs of the PC 1 to the Input A and Input B of the KVM PC1 inputs. Connect the USB of the PC to the USB of the KVM PC1 inputs with USB type A to B cable



HDMI cable

USB type-A to type-B cable

Input B  Input A  USB  Input B  Input A  USB
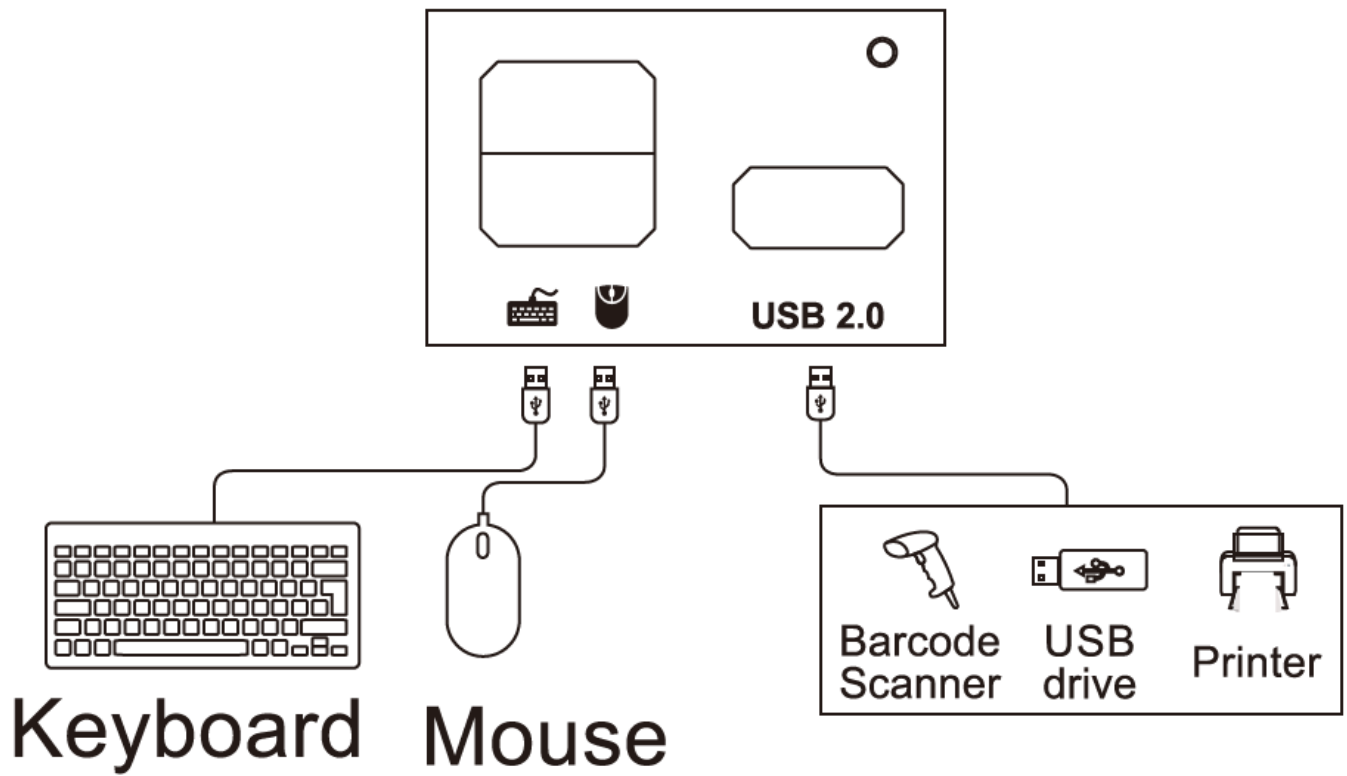PC 2                PC 1

### Note:
Both Input A and Input B should be connected to the same computer. If connect only one of them, then the dual monitor function would not work properly.
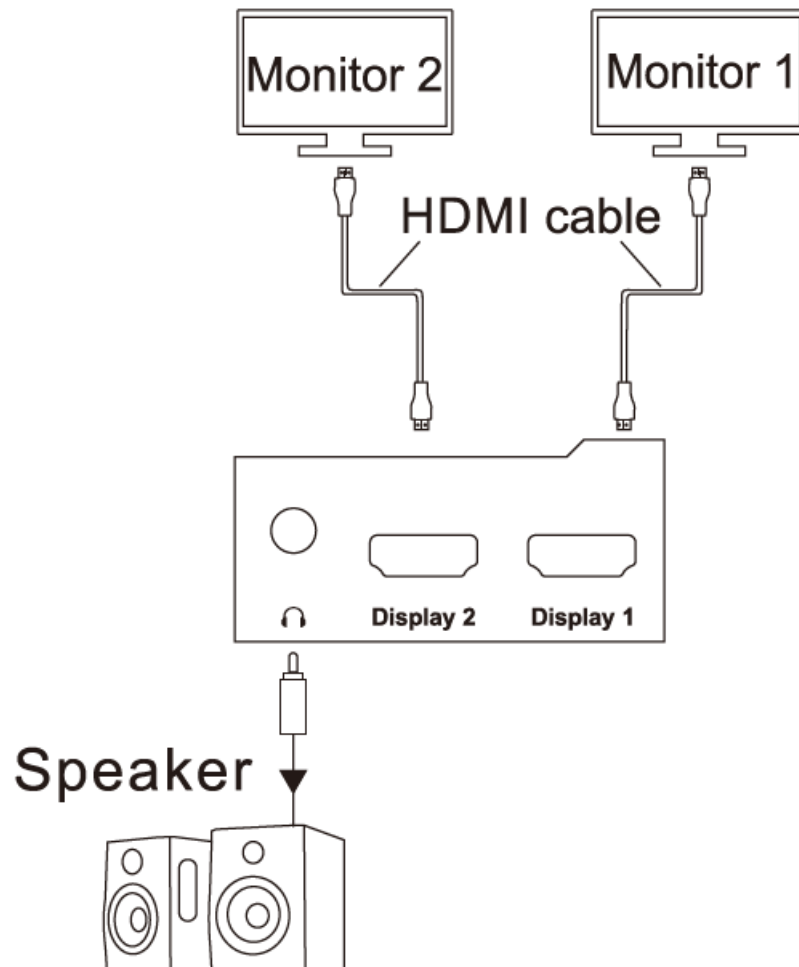
### Step 2:
Connect the keyboard, mouse or wireless dongle of the keyboard and mouse to the specified ports.

Keyboard    Mouse

**USB 2.0**

Barcode Scanner    USB drive    Printer

**Step 3:**
Connect the speaker and monitor to the KVM.

Monitor 2    Monitor 1

HDMI cable

Display 2    Display 1

Speaker

**Step 4:**
Turn on the power switch to start the Dual Monitor KVM.

**How To Use**

1. Set up the connection according to the connection diagram.
2. After all the PCs are started in step 1, then you can control the Dual Monitor KVM by keyboard hot keys, IR control or the frontpanel key 'SW', the specific control methods are as follows:

## How to use keyboard hotkeys

| | | |
|---|---|---|
| [Right-Alt] + [Right-Alt] | | Press [Right-Alt] key twice to change active selected computer in display mode 2 |
| [Scroll Lock] + [Scroll Lock] + [1] | | Select input source 1 in display mode 1 |
| [Scroll Lock] + [Scroll Lock] + [2] | | Select input source 2 in display mode 1 |
| [Scroll Lock] + [Scroll Lock] + [3] | | Keyboard and mouse focus on the desktop of input source 1 in display mode 2 |
| [Scroll Lock] + [Scroll Lock] + [4] | | Keyboard and mouse focus on the desktop of input source 2 in display mode 2 |
| [Scroll Lock] + [Scroll Lock] + [F11] | | Enable or disable buzzer sound |
| [Scroll Lock] + [Scroll Lock] + [F2] | | Turn on or off keyboard and mouse pass through mode |

Note: For the best compatibility, it is better to turn on the keyboard and mouse pass-through mode. In this mode, the keyboard and mouse are dynamically mapped to the computer, so you are able to use a special keyboard and mouse with multimedia keys or other customized keys.

**How to identify whether the KVM is in keyboard and mouse pass-through mode?**
Tum on the KVM, press [Scroll Lock]+ [Scroll Lock]+ [F3], if the buzzer beeps twice, the KVM is in keyboard and mouse pass-through mode. And beeping once means in keyboard and mouse emulation mode.
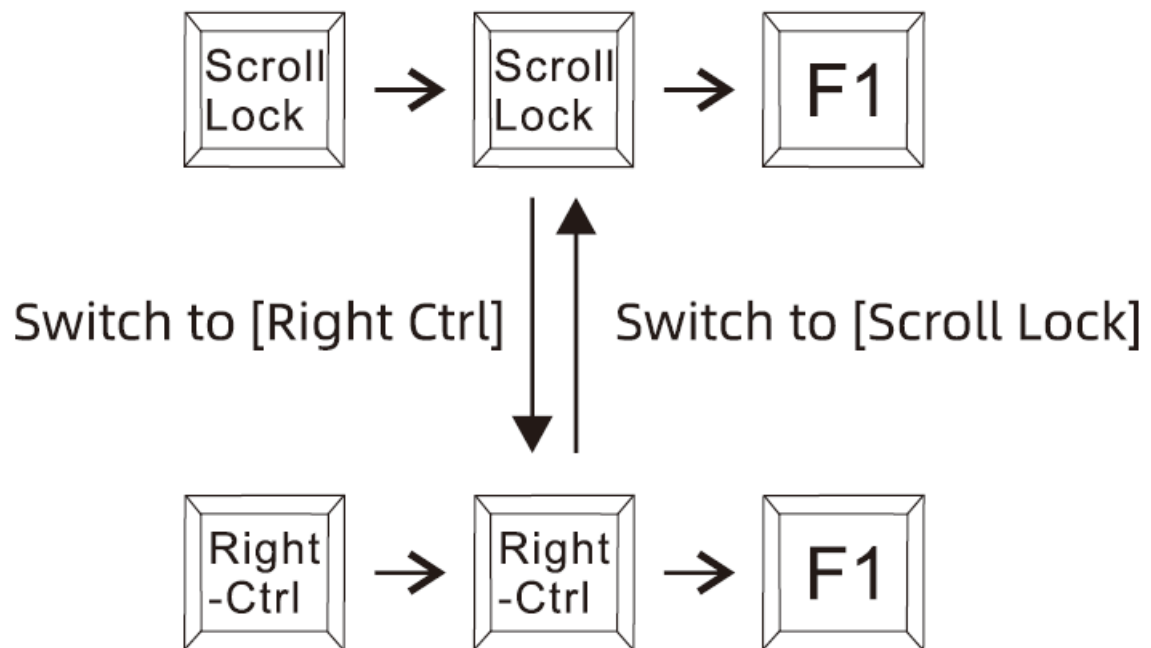
## How To Change The Hot Keys Combination

There are two kinds of trigger hotkeys in this product, the default is the [Scroll Lock] key, and the alternative is the [right Ctrl] key. If [Scroll Lock] Key has been used for other functions you can switch the hotkey to [Right-Ctrl] by:

**Method 1**

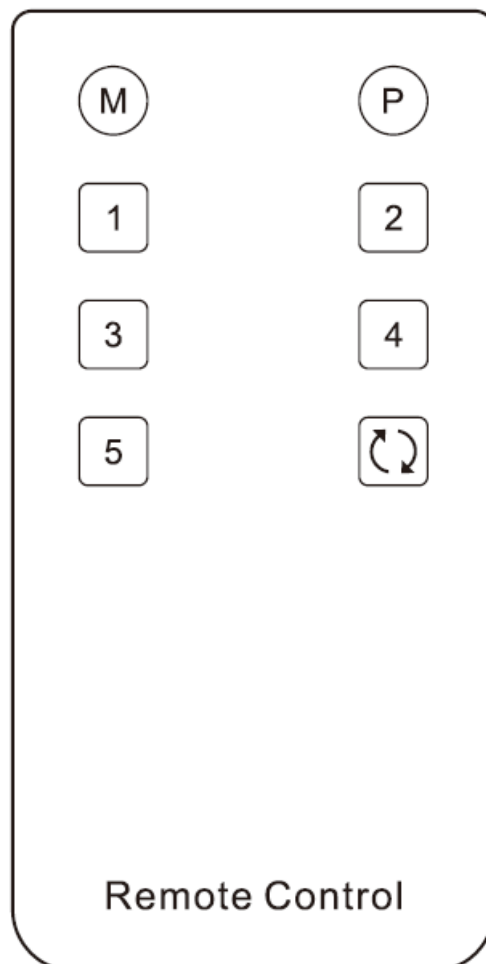Press and keep holding the [SW] button on the front panel until you hear the buzzer is beeping, then restart KVM.

**Method 2:**
Press [Scroll Lock]➔ [Scroll Lock]➔ [F1], and you will switch the control hotkey to [Right-Ctrl].



Vice verse, Press [Right-Ctrl] ➔ [Right-Ctrl]➔ [F1], and you will switch the control hot key to [Scroll Lock].

**IR Remote Control**

| Key | Display mode 1 | Display mode 2 |
|---|---|---|
| @ | Cyclically select PC1 and PC2 | Switch to Display mode 1 |
| ® | Switch to Display mode2 | Swap the desktops of two monitors |
| DJ | Switch to PC 1 | Keyboard and mouse focus on the desktop of PC 1 |
| | Switch to PC 2 | Keyboard and mouse focus on the desktop of PC 2 |

**Note:**

1. For the safety request by some express companies, the remote control is not equipped battery by default.
2. The unspecified buttons at above are non-functional.

## Warranty Information

We warrant this product as free of defects in material and workmanship for a period of one (1) year from the date of shipment.

If during the period of warranty this product proves defective under normal use, we will repair or replace this product, provided that this product has not been subjected to mechanical, electrical, or other abuse or modifications. If it fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for six (6) months from the day of reshipment to the buyer.

## Documents / Resources



**TESmart HKS0402A1U HDMI DP Dual Monitor KVM Switch** [pdf] User Manual
HKS0402A1U, HDMI DP Dual Monitor KVM Switch, Dual Monitor KVM Switch, Monitor KVM Switch, HKS0402A1U, KVM Switch