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2-Port 4K HDMI KVM with USB 3.0

User's Guide

P/N:KVMHD2-2P

Thank you for purchasing from gofanco. Our products aim to meet all your connectivity needs wherever you go. For optimum performance and safety, please read the instructions carefully and keep this User's Guide for future reference. If you need more information about our products, please visit www.gofanco.com. For technical support, email us at support@gofanco.com. For drivers or manual download, please go to www.gofanco.com/downloads.

Important Safety Notices

Please read safety instructions carefully before installation and operation.

- Please pay close attention to all warnings and hints for this device

- Do not expose this unit to rain, heavy moisture, or liquid

- Do not put any items into the device or attempt to modify its operation

- Do not repair the device or open the enclosure without professional guidance to avoid electric shocks. Doing so may void your warranty

- Keep the product in a well-ventilated location to avoid damage from overheating

- Shut off power and make sure environment is safe before installation

- Do not plug the HDMI cables in/out when the device is in use to avoid cable damage. Make sure they are plugged into the correct ports

- Use the included power adapter only. Make sure the specification matches if using 3rd-party DC power adapters

Introduction

The 2-Port 4K HDMI KVM with USB 3.0 allows you to control two 4K computers using one set of keyboard, mouse, microphone, speaker, and display.

Features

- 2-Port KVM Switch with HDMI (4K Video), USB Keyboard/Mouse, with Stereo Out and Mic In
- HDMI and HDCP 2.2/1.4 compliant
- Supports up to 4K (3840x2160 & 4096x2160) @60Hz, HDR, 3D
- Includes a 2-port USB 3.0 hub
- KVM Switching: IR remote, push buttons, and keyboard hotkeys
- Simple plug-n-play installation without additional driver installation

Installation Requirements

- HDMI computers
- HDMI display
- HDMI cables (not included)
- USB A to B cables (included)
- Audio cables (not included)
- Microphone cables (not included)

Package Contents

- 2-Port 4K HDMI KVM
- USB cable (2pcs)
- IR remote control
- IR receiver cable
- Power adapter (Output: 5V/3A)
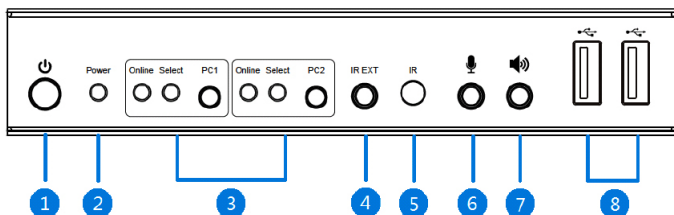- User's guide

Product Layout

Figure 1: Front Panel Layout

1. **Power Button**: Press to turn the KVM on and off
2. **Power LED**: Lights up when KVM is powered on
3. **Input Selection:**

   PC1 - PC2: Source device selection button

   Select LED (PC1-PC2): On - the corresponding PC is selected; Blinks - Auto-switching mode is enabled

   Online LED (PC1-PC2): On when USB port is connected to the corresponding PC
4. **IR Ext**: Connects to the included IR Receiver cable. Receives signals from the included remote control
5. **IR Receiver**: Receives signals from the included remote control
6. **Microphone Input**: Connects to your Microphone
7. **Audio Output**: Connect to speakers or headphones
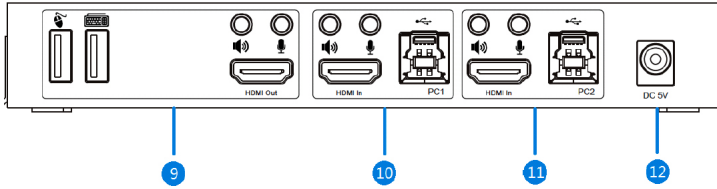8. **USB 3.0 Ports (x2)**: Connects to your USB devices

Figure 2: Rear Panel Layout

9. **Output Ports**:

   🖰 USB port: Connect to keyboard or mouse

   ⌨ USB port: Connect to keyboard or mouse

   🔊 Audio jack: Connect to speakers or headphones

   🎤 Microphone jack: Connect to your Microphone

   HDMI Out: Connect to an HDMI display

10. **PC1 Inputs**: Connects to PC1's HDMI output, USB 3.0 port, microphone input jack, audio output jack

11. **PC2 Inputs**: Connects to PC2's HDMI output, USB 3.0 port, microphone input jack, audio output jack

12. **Power Jack**: Connects to the included power adapter

Hardware Installation
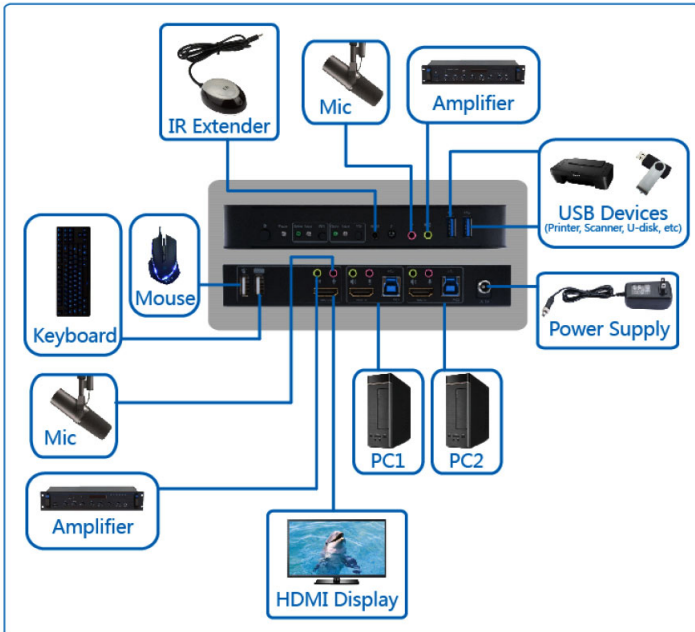
Front Panel Connection

1. Connect your microphone and speaker/ headphone to the corresponding jacks of the KVM (optional).
2. Connect your USB device(s) to the USB ports (optional).
3. Connect the included IR Receiver cable to the IR Ext port. This connection is optional and needed only if the embedded IR receiver window is blocked from receiving IR signals.

Rear Panel Connection

1. Connect your HDMI display to the corresponding video output connector (HDMI cable not included).
2. Connect your keyboard and mouse to the keyboard and mouse USB ports of the KVM.
3. Plug the HDMI, microphone, and speaker connectors of the KVM into their corresponding sockets on PC1 (cables not included).
4. Plug the included USB cable between the KVM and PC1.
5. Repeat steps 3 and 4 for PC2.
6. Plug the included power adapter into the KVM's power jack, then plug the power adapter into a reliable power outlet.
7. Power on all connected devices.

Connection Diagram

The application diagram shows the most typical input and output devices used with the KVM.

Operating Instructions

PC Switching

There are three ways to switch between the computers, manual push button, keyboard hotkey, and IR remote control.

Manual Push Button

Press the front panel switch button to switch between the connected computers.

Keyboard Hotkey

Works with PC keyboard connected to USB-A ports on the back panel. **Note**: Mac keyboards do not support keyboard hotkey function due to lack of Scroll Lock key.

Number	Hotkey Combination	Function Description
1	Scroll Lock++[1]Scroll Lock +→or↓	Switch to the next port
2	Scroll Lock++ Scroll Lock +←or↑	Switch to the previous port
3	Scroll Lock++ Scroll Lock +[N[2]]	Switch to PC N
4	Scroll Lock++ Scroll Lock +S[3]	Automatic switching function(Default: 15 seconds)
5	Scroll Lock++ Scroll Lock +I+[N[4]]+[Enter]	Set the automatic switching interval (5~999 seconds)
6	Scroll Lock++ Scroll Lock +B+[1/0][5]	Buzzer on/off (Default: on)
7	Scroll Lock++ Scroll Lock +F+L+A+S +H+[Enter]	All resume hotkey default mode [6]

Note:
① Hotkeys are not case-sensitive;
② Buzzer sounds when switching between PC1 and PC2.

[1] "++" means to press 2 times in rapid succession. For example: "Scroll Lock ++ Scroll Lock + 1" means to press the Scroll Lock button twice in rapid succession and then press number "1" button. The detection between each hotkey code times out for 5 seconds. For example, if the Scroll Lock button is pressed for the first time, and then the Scroll Lock button is pressed after more than 5 seconds, the hotkey combination is invalid;

[2] "N" here indicates the number of the PC. For example, to switch to PC2, the hotkey combination is "Scroll Lock ++ Scroll Lock + 2";

[3] Turn on this function, then HDMI, MIC and the speaker will enter the automatic switching mode without USB. Press (except the space bar) any key to exit to the port before the automatic switching, press the space bar to stay at the currently switched port. When switching automatically, the "Select" LED flashes at the same time.

[4] "N" here indicates the number of switching interval which can be 5(seconds) to 999 (seconds);

[5] "1" means on, "0" means off;

[6] This mode only has relation to the hotkey function of Number 4 and Number 6.

<u>Remote Control</u>

Press button 1, 2 to select between the connected PCs.

Press the back ◀ or forward ▶ button to switch PCs in sequence order: PC1 > PC2

Special Functions

<u>Mouse</u>
Place the mouse cursor on the far right of the display then move the cursor to the right for 2 seconds, the KVM switches to the next PC. Switching order: PC1 > PC2.

Note: To disable mouse switching, connect the mouse to one of the USB 3.0 ports in the front panel

<u>USB Detection</u>
When a PC is connected the KVM's USB-B port the KVM automatically switches to it.

<u>Auto Switching</u>
When the current active PC is powered off, the KVM automatically switches to the next active PC.

Specifications

Connectors	
Console Connectors	USB 2.0-A x2(Back) HDMI Female x1(Back) 3.5mm Stereo Jack(Green, 1 Front, 1 Back) x2 3.5mm Stereo Jack(Pink, 1 Front, 1 Back) x2
KVM Connectors	USB 3.0-B x2(Back) HDMI Female x2(Back) 3.5mm Stereo Jack(Green, Back) x2 3.5mm Stereo Jack(Pink, Back) x2
USB HUB Connectors	USB 3.0-A x2(Front)
Resolution	
Max Resolution	3840*2160@60Hz, 4096*2160@60Hz
Operating Frequency	
HDMI Bandwidth	18G
Mechanical	
Material	Metal
Size (L-W-H)	178*75*26mm
Weight (Net)	366.3g
Warranty	
Limited Warranty	1 Year
Environmental	
Operating Temperature	0℃ to 45℃
Operating Humidity	10% to 85 % RH (no condensation)
Storage Temperature	-10℃ to +80℃
Storage Humidity	5% to 90 % RH (no condensation)
Power Requirement	
External Power Supply	DC 5V
Power Consumption (Max)	12W
ESD Protection	
Human Body Model	±8kV (air-gap discharge) & ±4kV (contact discharge)

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