

# USB2.0 HDMI KVM Switch ( HD1104 ) User Manual



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## Overview

### Product Description

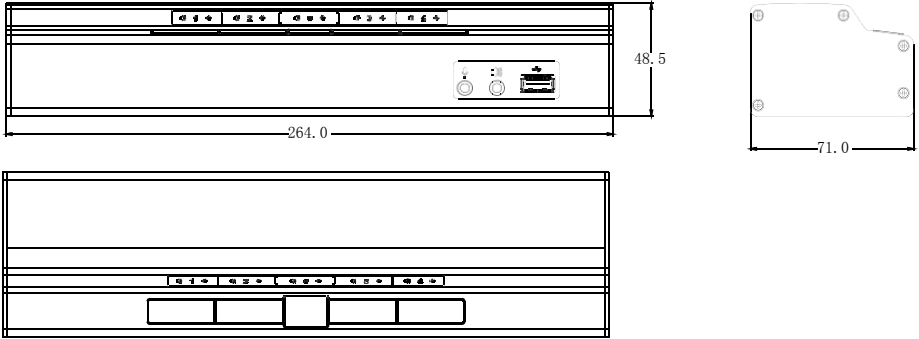
HDMI KVM Switch is a control device to control multiple computers via a set of monitor-keyboard-mouse, which provides both style and multi-functionality for today's multimedia SOHO environment. It provides seamless HDMI signal switching between PCs or other HDMI-enabled devices, such as FPD, Plasma display, digital television and television set-top box.

It's easy and fast to install the HDMI KVM Switch; users just need to connect cables to relevant ports, no software required.

### Product Features

- One USB console controls four HDMI-interface computers
- HDMI digital monitor support – fully compliant with HDMI1.3a and HDCP
- Support PCM2, 5.1, 7.1 channel, Dolby 5.1, DTS5.1 audio input and Mic output
- Fully compliant with the USB 2.0
- Independent switching of KVM, USB peripheral, and audio focus
- Superior video quality support - 1080P(1920x1200)
- Supports widescreen resolutions
- Multiplatform support - Windows, Linux, Mac
- Compatible with wireless USB keyboard and mouse from Logitech and other factories
- Supports multimedia USB keyboard (PC, Mac and Sun)
- USB and PS/2 keyboard/mouse emulation for error-free booting
- Support DDC dynamic refresh technology - The computer automatically selects the optimum screen resolution display, which can avoid the resolution incompatibility when the computer is turned on.
- No software required – easy switching between PCs via front panel pushbuttons, keyboard hotkeys and infrared remote control
- Auto Scan Mode for monitoring all computers and HDMI devices
- Hot pluggable--add or remove computers without having to power down the switch

Appearance & Structure



KVM rear view

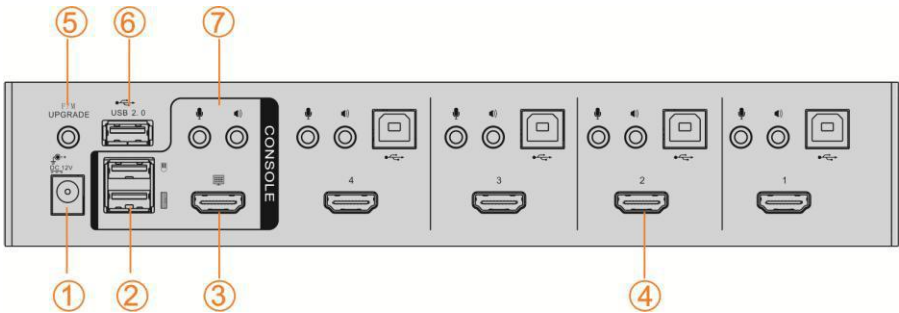


Figure 1.1 rear view

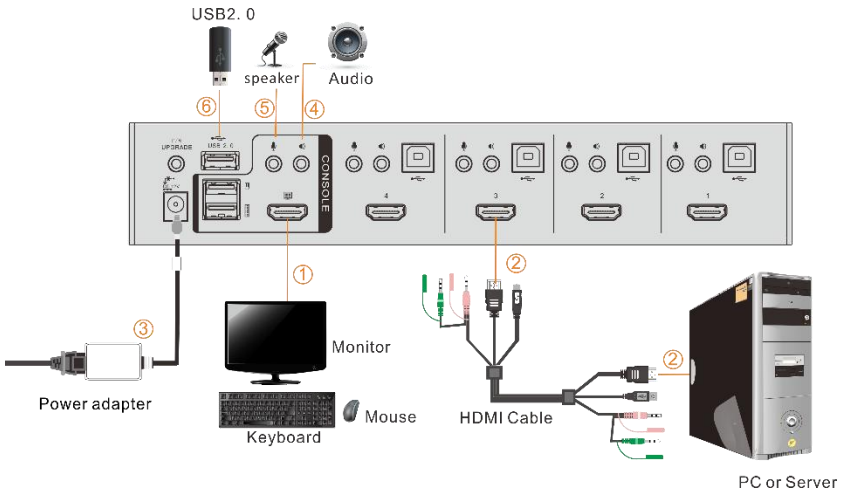
Table 1.1: instructions for figure 1.1

No.	Instructions
1	Power port
2	Console USB port ( keyboard, Mouse)
3	Console HDMI port
4	KVM port
5	Firmware upgrade port
6	Peripheral USB2.0 port
7	Console audio port

## Installation Instructions

Before installation, make sure all the devices that to be connected are power off.

- 1) Connect the monitor, USB keyboard and mouse to the local console port on the device (see ① in below figure).
- 2) Connect the PC to the KVM Switch with HDMI cable (see ② in below figure).
- 3) Connect the power adapter to the KVM power port (see ③ in below figure).
- 4) Power on the PC to switch via front panel pushbuttons, keyboard hotkeys and infrared remote control.



- 5) If a separate speaker or microphone is used, connect the speaker or microphone to the audio port on the KVM device (see ④ and ⑤ in above figure).
- 6) Connect the USB peripherals to the USB port (see ⑥ in above figure).

\*If the console monitor has a built-in speaker and supports audio through the HDMI connector, you do not need to use a separate speaker.

**Instructions for front panel pushbuttons and infrared remote control**

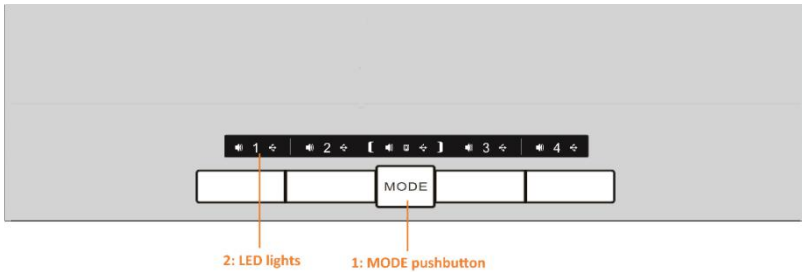


Table 1.2:

NO.	Pushbutton (1)	LEDs (2)	Functions
1	Number button 1-4		After setting the Mode function, press the relevant number button to switch.
	MODE		This allows you to cycle through the three modes of focus-audio, KVM and USB.
			Press the Mode pushbutton, switching between KVM and USB focus
			Press the Mode pushbutton twice, switching between KVM and audio focus
			Press the Mode pushbutton three times, switching KVM function

**Mode pushbutton cycle switching:**

Video, KVM and USB cycle switching mode (default mode) --> Press the Mode pushbutton once, switching between KVM and USB function--> Press the Mode pushbutton twice, switching between KVM and audio function--> Press the Mode pushbutton three times, switching KVM function--> Press the Mode pushbutton four times, back to cycle switching mode...

## Hot Key Operations

Press the “L\_Ctrl” key twice (with 2S interval), the keyboard is under hotkey mode after hearing one beeper sound. The keyboard will exit the hotkey mode if you do not press any hotkey within 2 seconds under keyboard hotkey mode.

Hotkey command as below: Press “L\_Ctrl” key twice + corresponding key

Operation	Function Description
<b>【Scroll-Lock】 + 【Scroll-Lock】</b> + <b>【F1】 ~ 【F4】</b>	Switching between Port 1-4 (Brings the KVM, USB and audio focus from the current port to the next port).
<b>【Scroll-Lock】 + 【Scroll-Lock】</b> + <b>【↑】 / 【↓】</b>	Switching to Previous or next port.
<b>【Scroll-Lock】 + 【Scroll-Lock】</b> + <b>【Num1】 ~ 【Num4】</b>	Brings the audio focus to the computer attached to the specified port.
<b>【Scroll-Lock】 + 【Scroll-Lock】</b> + <b>【1】 ~ 【4】</b>	Only brings the KVM focus to the computer attached to the specified port. The USB and audio focus remain where they are.
<b>【Scroll-Lock】 + 【Scroll-Lock】</b> + <b>【A】 + 【1】 ~ 【4】</b>	Brings the KVM and audio focus to the computer attached to the specified port. The USB focus remains where they are.
<b>【Scroll-Lock】 + 【Scroll-Lock】</b> + <b>【U】 + 【1】 ~ 【4】</b>	Brings the KVM and USB HUB focus to the computer attached to the specified port. The audio focus remains where they are.
<b>【Scroll-Lock】 + 【Scroll-Lock】</b> + <b>【Z】</b>	Toggles the beeper On and Off.
<b>【Scroll-Lock】 + 【Scroll-Lock】</b> + <b>【S】</b>	Invokes Auto Scan. The KVM focus cycles from port to port. Press any key to exit the auto scan mode.
<b>【Scroll-Lock】 + 【Scroll-Lock】</b> + <b>【F】</b>	Invoke the hotkey cycling mode (Scroll →Shift → L_Ctrl)
<b>【Scroll-Lock】 + 【Scroll-Lock】</b> + <b>【B】</b>	Under broadcast mode, the computer keyboard can be operated synchronously.

**Specifications**

Function		HD1104	
Computer Connections		4	
Port Selection		Front panel pushbuttons, keyboard hotkey, infrared remote control	
Connector	Console	Monitor	1x HDMI type A
		Keyboard	1x USB type A (Black)
		Mouse	1x USB type A (Black)
		Microphone	2x Min stereo port (pink)
		Speaker	2x Min stereo port (green)
	KVM port	Monitor	4x HDMI type A
		Keyboard/Mouse	4x USB type B (White)
		Microphone	4x Min stereo port (pink)
		Speaker	4x Min stereo port (green)
	Power supply		1x DC socket
USB2.0 port		2x USB type A (Black)	
Upgrade port		1x 3.5mm socket (Black)	
Switch	Port selection	5x pushbuttons	
LEDs	Audio	5x (green)	
	KVM	5x (orange)	
	USB	5x (green)	
Input power		DC 12V	
Video signal		1080P	
Power consumption		5W	
Emulation	Keyboard/Mouse	USB	
Environment	Operating Temperature	0-50°C	
	Storage Temperature	-20-50°C	
	Humidity	0-80%RH, Non-condensing	
Physical Features	Material	Metal, plastic	
	Weight	0.6kg	
	Dimension	264 mmx48.5 mmx71mm	

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