

2-Port HDMI KVM Switch

User Manual | For Standard and Hotkey Versions

This manual applies to two 2-port HDMI KVM switch variants: a standard switching version and a hotkey-enabled version. Both versions share the same core hardware platform, video performance, USB 2.0 functionality, and installation method. The only functional difference is support for keyboard hotkey switching on the hotkey-enabled version.

1. Product Overview

The 2-port HDMI KVM switch allows one monitor, one keyboard, and one mouse to control two computers. It switches HDMI video and USB data between the two hosts, making it suitable for office workstations, control rooms, testing benches, multimedia setups, and other environments where two computers need to share one console.



Product Variants

Version	Main Switching Methods	Difference
Standard Version (LM-SWK201B)	Front panel button + desktop controller	Does not support keyboard hotkey switching.
Hotkey Version (LM-SWK201BH)	Front panel button + desktop controller + keyboard hotkey	Adds keyboard hotkey switching when the keyboard is connected to the designated KM port.

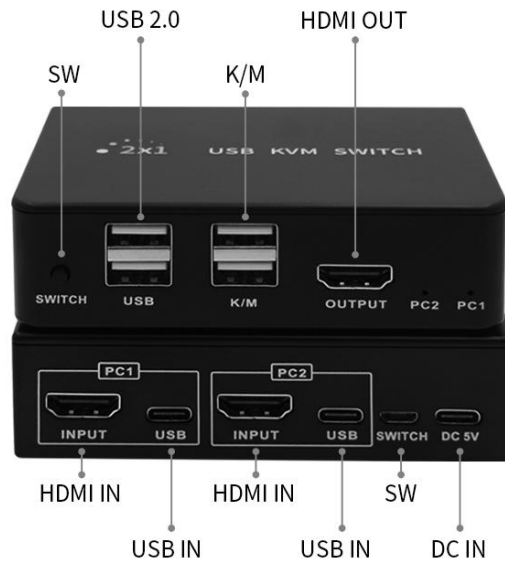
2. Key Features

- Controls 2 host computers with a single HDMI display, keyboard, and mouse.
- Supports HDMI 2.0 with resolutions up to 3840x2160@60Hz.
- Supports USB 2.0 peripheral sharing between the connected hosts.
- Supports front panel button switching and external desktop controller switching.
- Hot-pluggable design allows connected devices to be added or removed without shutting down the hosts.
- Provides stable keyboard and mouse switching without driver reinstallation.
- Compatible with Windows, macOS, Linux, Unix, Debian, Ubuntu, Fedora, Raspbian, and similar operating systems.
- Allows additional USB devices such as USB flash drives, barcode scanners, and other standard USB 2.0 peripherals to switch together with the selected host.

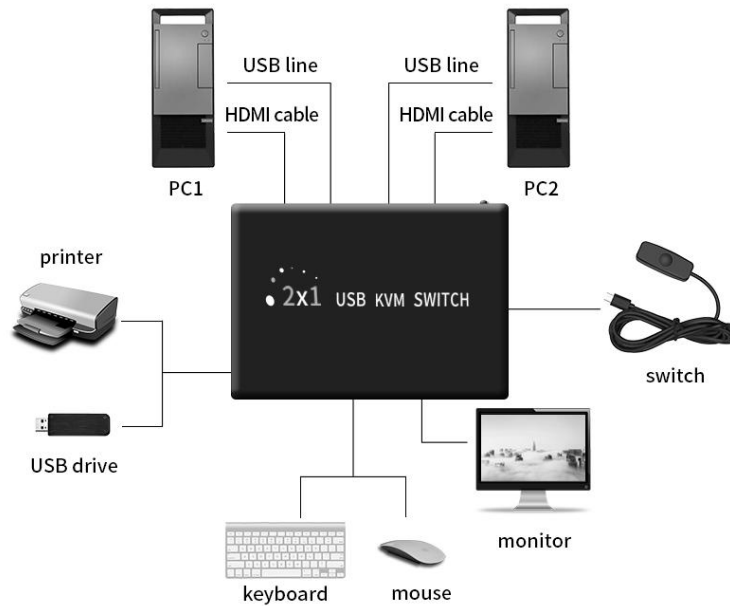
3. Technical Specifications

Parameter	Specification
Video standard	HDMI 2.0
Maximum bandwidth	18 Gbps
Maximum resolution	3840x2160@60Hz
Video connector	HDMI Type-A
Recommended HDMI cable length	Input and output cables should each be kept within 3 m for best stability.
USB standard	USB 2.0
Recommended USB cable length	Host and device USB cables should each be kept within 2 m.
Switching methods	Standard version: front panel button + desktop controller. Hotkey version: front panel button + desktop controller + keyboard hotkey.
Power supply	5 V via USB power input

4. Ports and Connections



Port	Description
PC1 / PC2	Connect the two host computers using the corresponding HDMI and USB cables.
OUTPUT	Connect to the HDMI display device.
K / M	Connect the keyboard and mouse. On the hotkey version, the keyboard must be connected here for hotkey switching to work.
USB	Connect additional standard USB peripherals that should switch together with the selected host.
SWITCH	Connect the external desktop controller.
DC 5V	The 5V USB power port is a reserve power input for optional use only. Under normal operating conditions, no connection is required. A USB power cable is not included in the standard package.



5. Keyboard Hotkey Switching (Hotkey Version Only)

Important: Keyboard hotkey switching is available only on the hotkey version. To use this feature, the keyboard must be connected to the K/M port. Hotkeys will not work from other USB ports.

Enable hotkey mode

Double-press Right Ctrl + A.

Hotkey mode is enabled by default at the factory, so this step is only needed if it has previously been disabled.

Disable hotkey mode

Double-press Right Ctrl + B.

Switch to Host 1 or Host 2

Double-press Right Ctrl + 1 or 2 on the main keyboard. Alternatively, double-press the asterisk (*) key on the numeric keypad and then press 1 or 2.

6. Installation and Operation

1. Before installation, confirm that the output resolution and refresh rate of both host computers are supported by both the KVM switch and the display device.

2. Connect Computer 1 and Computer 2 to the PC1 and PC2 ports using both HDMI and USB cables. Both connections are required for proper video and USB switching.
3. Connect the keyboard and mouse to the K/M port group. On the hotkey version, the keyboard must remain connected to this port group for hotkey switching to function correctly.
4. Connect any additional USB peripherals, if required, to the USB port group.
5. Connect the OUTPUT port to the HDMI display and the SW port to the external desktop controller.
- 6. Connect the optional 5 V USB power cable only if supplemental power is required by the installation.**
7. After all connections are completed, use the front panel button, desktop controller, or keyboard hotkey (hotkey version only) to switch between the two computers.

7. Package Contents

- 1 x KVM switch
- 1 x desktop controller
- 2 x USB cables
- 1 x user manual

Note:

1. Accessory configuration may vary slightly by packaging batch.
2. The USB power cable is optional and may not be included in the standard package. Please refer to the actual package contents.