



Active Sync Replication (A.S.R) for all-time full DDC emulation
User-definable Hotkey Preceding Sequence
Factory Default Restore Hotkey

LKV-7308 / LKV-7308-KIT LKV-7316 / LKV-7316-KIT

8/16-port 19" USB PS/2 Rackmount KVM Switch

Quick Installation Guide



LKV-7308

LKV-7316

LKV-7308 / LKV-7316
Rackmount USB PS/2 KVM Switches

Thank you for purchasing the LKV-7308 / LKV-7316 8-Port/16-Port Rackmount USB PS/2 KVM Switch! With our highly reliable and quality product, user can enjoy countless benefits from using it.

Introduction

The LKV-7308/LKV-7316 Rackmount USB PS/2 KVM switch supports USB interface and legacy PS/2 interface on both console side and PC side. You can use either PS/2 or USB keyboard/mouse on the console side as well as either PS/2 or USB interfaces on the PC side. It is especially useful when your server room is inhabited with legacy computers with only PS/2 interfaces and yet with some newer computers equipped with only USB interfaces.

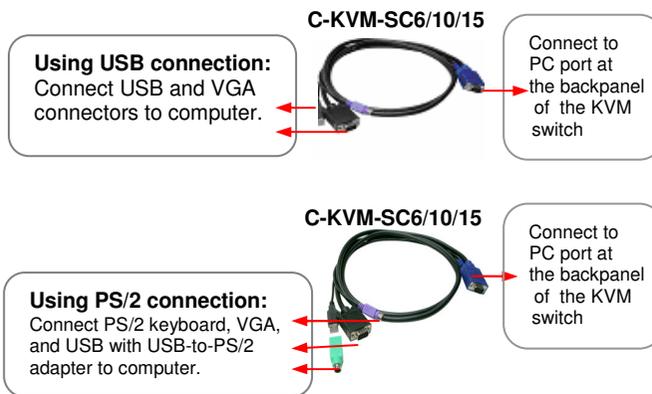
The rackmount design offers a neat placement of the KVM switch units on the rack for centralized management and also for security enhancement that could be provided by a locked server room. You can simply place it on desktop or mount it on a standard 19" rack for more secured and centralized management.

To ensure ultimate video compatibility requirements on recent operating systems, such as Windows 7 and Mac OS X, this KVM switch features advanced Active Sync Replication (A.S.R) technology which supports all-time full DDC emulation so that the video compatibility will be as constant and stable as it should be, no matter how you switch. This all-time full DDC emulation can get rid of those problems that are related to the absence of appropriate DDC data on the KVM switch when port switching is taken place.

Out-of-the-box Installation

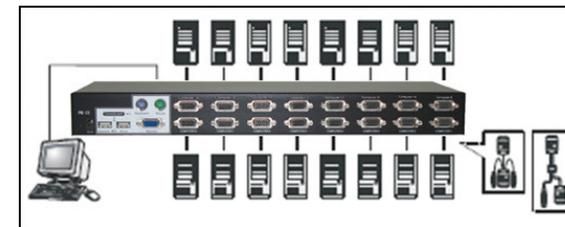
Take the KVM Switch out of the box and begin installation.

- Set up your local console:** Connect the shared keyboard, mouse and VGA monitor to the console connectors on the backpanel of your KVM switch. (Note: keep KVM switch power off at this step).
- Power on the console VGA monitor:** Plug in the power cable of monitor and turn on the monitor.
- Power on the KVM switch:** Power on the KVM switch by plugging in the provided power adapter to the power jack on the backpanel.
- Connect servers/ computers to the KVM switch:**
 - Make sure computers that are to be connected to the KVM switch are powered off.
 - Use our special 3-in-1 KVM combo cable (see below image) to connect each of your computers to the PC ports at the backpanel of the KVM switch. When connecting with a PS/2 computer, just add an USB-to-PS/2 adapter to the USB connector and you'll have a PS/2 connector for mouse. When connecting with a USB computer, just plug the USB connector to computer and leave the PS/2 connector free. **Do not connect both USB connector without adapter and PS/2 connector to a computer at the same time.**



Special integrated USB & PS/2 KVM combo cable

- Select the desire port first then power on the connected computer.
- Repeat step 4 and 5 for the remaining computers.**



Connection Diagram

After your computer is powered up, the keyboard and mouse will be recognized and now you can begin operating the switch.

Note: If you experience mouse lock on any of your computer, you can use the mouse reset hotkey sequence to regain the mouse control (see the **Quick Reference Sheet**).

Operation

There are two methods to select a specific computer, using a front-panel push button or a hotkey sequence.

Front-Panel Push Buttons

The front-panel buttons let you have direct control over KVM switch operation and port switching. Simply press a button to switch to its corresponding port. See the **Quick Reference Sheet**.

Keyboard Hotkeys

A keyboard hotkey sequence consists of at least three specific keystrokes: (See the **Quick Reference Sheet**)

Hotkey sequence = [ScrLk]^{*} + [ScrLk]^{*} + *Command key(s)*
* User-definable = SCROLL LOCK, CAPS, F12 or NUM LOCK

Hotkey preceding sequence configuration: For users who want to use a preceding sequence other than two consecutive Scroll Locks, there is also one convenient way to configure it. (1) Hit ScrollLock + ScrollLock + H, then two beeps will signal readiness for new preceding sequence selection [or Press and hold down the last front-panel button (Button 8 or 16) until you hear two beeps, release the button.] (2) Select and press the key you would like to use as your preceding sequence (SCROLL LOCK, CAPS, F12 or NUM LOCK keys are available for selection) and you'll hear a beep for selection confirmation. Now you can use the new preceding sequence to execute your hotkey commands.

Note: The two consecutive ScrLk (scroll lock) keystrokes should be pressed within 2 seconds and the following command key(s) should also be pressed within 2 seconds in likewise manner. Otherwise, the hotkey sequence will not be validated.

For detailed Hotkey sequences and their corresponding functional commands. See the **Quick Reference Sheet**.

Quick Reference Sheet

19" Rackmount USB PS/2 KVM Switch / Operation Commands for Hotkeys / Front-Panel Button			
Hotkey sequence = [ScrLk] + [ScrLk] + Command key(s) * User-definable Preceding sequence = SCROLL LOCK, CAPS, F12 or NUM LOCK			
Command	Hotkeys	Front-panel Button	Description
Select PC port	[ScrLk] + [ScrLk] + (x) + (y) ¹ xy = 01~16 for PC port number	Press the corresponding front-panel button to select the desired PC port	Select the active PC port
Next lower PC port	[ScrLk] + [ScrLk] + ↑ (arrow up)	--	Select the next lower PC port (Switch only to the next lower port with live power input from PS/2 or USB interface)
Next higher PC port	[ScrLk] + [ScrLk] + ↓ (arrow down)	--	Select the next higher PC port (Switch only to the next higher port with live power input from PS/2 or USB interface)
Previous PC port	[ScrLk] + [ScrLk] + ← (Backspace)	--	Toggle between the previous port and current port
Beep Sound On/Off [default = ON]	[ScrLk] + [ScrLk] + B	--	Toggle on/off the beep sound for hotkey/port switching operation
Mouse/Keyboard Reset ²	[ScrLk] + [ScrLk] + End	--	Reset mouse/keyboard
Autoscan	[ScrLk] + [ScrLk] + S	--	Autoscan through every connected port for quick screen browsing of each port (scan delay = 10 sec.)
Define Hotkey Preceding Sequence [default = ScrLk + ScrLk]	[ScrLk] + [ScrLk] + H + (y) (y) = SCROLL LOCK, CAPS, F12, or NUM LOCK	Press and hold down last button (Button 8 / Button 16) till two beeps, release the button, then press (y) key.	Select the hotkey preceding sequence among 4 alternative keys
Restore to Factory Default ³	[ScrLk] + [ScrLk] + R	--	Restore to factory setting [factory default = beep sound ON / hotkey preceding sequence set to [ScrLk] + [ScrLk] / set DDC to KVM default (not monitor DCC)]
Autoscan with Programmable Delay Time [default = 10 seconds]	[ScrLk] + [ScrLk] + S + (x) ¹ x = 0~9 1 → 10" ; 2 → 20" ; 3 → 30" ; 4 → 40" ; 5 → 50" 6 → 60" ; 7 → 70" ; 8 → 80" ; 9 → 90" ; 0 → 100"	--	Autoscan with a user-defined delay time within a range of 10 ~ 100 seconds. [Default = 10 seconds]
Stop Autoscan	Press any key on keyboard	Press any button	Terminate Autoscan activity

Notes

- You can use either top row number keys or the keypad number keys for hotkeys commands.
- In normal usage condition, mouse/keyboard should not require any use of this hotkey. However, if you encounter keyboard/mouse lockup or other problems, you can use this keyboard/mouse reset hotkey to facilitate recapturing of the keyboard/mouse device on the connected PC.
- If your hotkey preceding sequence has been changed by a previous user, and you don't know what it is exactly, please just try over the possible alternatives: either they are **SCROLL LOCK**, **CAP**, **F12** or **NUM LOCK**. You should be able to find what the currently preceding sequence is within a minute.
LED information: a solid red-lit LED indicates a live power input for that specific port; a solid green-lit LED indicates an active port; a flashing green LED indicates no connection for the active port (i.e. no power input from the active port).

Hotkey convention: The hotkey notation [ScrLk] + [ScrLk] + (key), denotes that you should hit the individual key consecutively one at a time, not simultaneously.



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