

2 x USB 2.0 hub ports + USB Keyboard Hotkeys

User-definable Hotkey Preceding Sequence

Firmware Upgradable

Resolution up to Digital 1920 x 1200 / Analog 2048 x 1536

DVI-202AU/DVI-204AU 2/4-port DVI USB KVM Switch w/ Audio & Microphone Switching and 2 x USB 2.0 device hub ports

Quick Installation Guide

Thank you for purchasing the **DVI-202AU/DVI-204AU DVI USB KVM Switch w/ Audio&Mic Switching!** With our highly reliable and quality product, user can enjoy countless benefits from using this KVM Switch.



DVI-202AU



DVI-204AU

Introduction

The **DVI-202AU/DVI-204AU DVI USB KVM Switch** is a 2/4-port DVI USB KVM Switch that allows you to access, control, boot and reboot multiple USB-enabled multimedia computers using only one USB keyboard, mouse, DVI monitor/Flat Panel Display and a speaker set and microphone. It provides two USB 2.0 device hub ports for high-speed USB device sharing. Its Audio&Mic switching function offers you uninterrupted multimedia experience while performing KVM Switching with multi-platform support for PC, Macintosh G3/G4 and iMAC. For users who might need to use a hotkey preceding sequence other than two scroll locks, we also offer five key alternatives for free configuration. This KVM Switch also allows its user to upgrade firmware contents whenever is needed to enhance compatibility or functionality. Thus, your investment on this KVM Switch is further ensured and its life-time value just maximized! *For the Flash upgrade procedure, please refer to the Flash Upgrade Operation Guide provided with the new version of Firmware upgrade file.*

Before you install

The default setting of the **DVI-202AU/DVI-204AU USB KVM Switch** is appropriate for most systems. In fact, you do not need to configure the KVM Switch before installation.

The KVM Switch is a *Plug-and-Play* device for installation. For a quick start on installation and operation, please follow the instructions below for the setup sequence:

The correct setup sequence is

(1) Power up your KVM Switch by connecting the external power adapter to it....

⚡ If you are not using any USB device on any of the USB 2.0 hub ports (or hub ports on the connected USB keyboard), the KVM Switch can well function via the USB self-power (since the KVM Switch receives power from the computer's USB interface, it is instantly powered up when you connect the KVM Switch to a PC). **But if you intend to use any USB device other than keyboard and mouse, you should plug in the external power adapter for proper functioning.**

(2) Then connect the shared keyboard, monitor and mouse (also speaker set and microphone) to the KVM Switch, and then connect your computers.

💡 Since USB interface is hot-pluggable, you don't have to turn off the computer before making connections to the USB KVM.

Out-of-the-box Installation

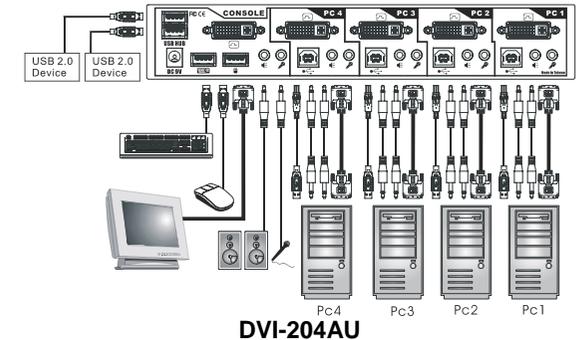
Take the KVM Switch out of the box and begin installation....

- Step 1.** Power up you KVM Switch by connecting the external power adapter to it. (*For use without an external power adapter, please refer to previous Notes* 💡).
- Step 2.** Connect the shared USB keyboard, mouse and monitor and a speaker set and microphone as well as other shared USB devices to the KVM switch.
- Step 3.** Connect each of your computers to the KVM switch, using the DVI-I video cable, USB (Type A-to-Type B) cable and audio & Mic cables (see the pictures below).

DVI-I
Video CableUSB cable
(Type A-to-Type B)

Audio/Mic Combo Cable

- Step 4.** (*Now your KVM Switch should have been powered-up....*) Power up the connected computers one by one. After your computers are powered up, the keyboard and mouse will be recognized and now you can begin operating the KVM switch.



DVI-204AU

Easy Operation

There are two methods to control your KVM Switch for PC, USB hub port as well as audio/mic channel selection: using the *front-panel push buttons* or a *hotkey sequence*.

Front-panel buttons

The front-panel buttons let you have direct control over KVM switch operation and channel switching. Simply press the PC button for PC port switching (and if binding is enabled between PC / USB hub port control / audio&mic switching, they will be jointly selected at the same time). If you want to enable the binding of PC / Hub port control / Audio&Mic switching, use the hotkey sequences. *See Quick Reference Sheet*

Keyboard hotkey

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

Hotkey sequence = [ScrLk]^{*} + [ScrLk]^{*} + Command key(s)

* User-definable = SCROLL LOCK, CAPS, ESC, 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 2 or Button 4) until you hear two beeps, then release the button.] **(2)** Select and press the key you would like to use as your preceding sequence (**SCROLL LOCK, CAPS, ESC, 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.

⚡ Each keystroke within a hotkey sequence should be pressed within 2 seconds. Otherwise, the hotkey sequence will not be validated.

💡 For detailed Hotkey sequences and their corresponding functional commands, please refer to the Quick reference sheet.

Quick Reference Sheet

2/4-port DVI USB KVM Switch w/ Audio&Mic -- Operation Commands for Hotkeys / Front-Panel Buttons			
Hotkey sequence = [ScrLk]' + [ScrLk]' + Command key(s) * User-definable Preceding sequence = SCROLL LOCK, CAPS, ESC, F12 or NUM LOCK			
Command	Hotkeys ¹	Front-panel Buttons	Description
Select PC Channel ² (Joint-select PC port/hub port control/audio&mic, if binding is enabled)	ScrLk + ScrLk + (x) (x is a top-row number key) x = 1~2 / x = 1~4 for PC channel no	Press the corresponding button to select the active PC channel	Select the active PC channel (Joint-select PC port/hub port control/audio&mic , if binding is enabled)
Select Hub Port Control ² (Joint-select PC & Hub port control, if binding is enabled)	ScrLk + ScrLk + (Fx) Fx = F1~F2/Fx=F1~F4 (Fx is a function key) x = 1~2 / x = 1~4 for PC channel no	(Press the corresponding button to select the specific PC+USB hub port control --works only if PC port/hub port control binding enabled)	Select the PC channel that control all USB hub ports (Joint-select PC & Hub port control, if PC/hub port control binding is enabled)
Select Audio&Mic Channel ³ (Joint-select PC port & audio/mic , if binding is enabled)	ScrLk + ScrLk + (Fy) Fy = F5~F6/Fx=F5~F8 (Fy is a function key) y = 1~2 / y = 1~4 for audio/mic channel no	--	Select the active Audio&Mic channel (Joint-select PC & audio&mic channel, if binding is enabled)
Bind PC & Hub Port Control Switching ² [Default]	ScrLk + ScrLk + Z	--	Enable the binding of PC port and hub port control switching. (Once this feature is enabled, any pc and/or hub port control switching is bound together) (factory default)
Unbind PC & Hub Port Control Switching ²	ScrLk + ScrLk + X	--	Disable the binding of PC port and hub port control switching
Bind PC & Audio/Mic Switching ³ [Default]	ScrLk + ScrLk + Q	--	Enable the binding of PC port and audio&mic switching. (Once this feature is enabled, any pc and/or audio&mic switching is bound together) (factory default)
Unbind PC & Audio/Mic Switching ³	ScrLk + ScrLk + W	--	Disable the binding of PC port and audio&mic switching
Next lower PC channel ² (Joint-select PC /hub port control/audio&mic, if binding is enabled)	ScrLk + ScrLk + ↑ (arrow up)	--	Select the next lower connected PC channel (Joint-select PC/hub port control/audio&mic, if binding is enabled)
Next higher PC channel ² (Joint-select PC /hub port control/audio&mic, if binding is enabled)	ScrLk + ScrLk + ↓ (arrow down)	--	Select the next higher connected PC channel (Joint-select PC/hub port control/audio&mic , if binding is enabled)
Previous PC channel	ScrLk + ScrLk + ← (Backspace)	--	Toggle between the previous channel and current channel
Beep Sound On/Off	ScrLk + ScrLk + B	--	Toggle on/off the beep sound while autoscanning
Define Hotkey Preceding Sequence	ScrLk + ScrLk + H + (y) y = SCROLL LOCK, CAPS, ESC, F12 or NUMLOCK	Press and hold down last button (Button 2 / Butotn4) till two beeps, release the button, then press (y) key	Select the hotkey preceding sequence among 5 alternative keys
Autoscan	ScrLk + ScrLk + S	--	Autoscan through every connected channel for quick screen browsing of each channel (scan delay = 5 sec.).
Autoscan with Programmable Delay Time	ScrLk + ScrLk + S + (z) z = 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
Stop Autoscan	Press any key on keyboard	Press any button	Terminate Autoscan activity

Notes:

- The USB keyboard hotkeys allows you a faster and broader control for your KVM switching operation in addition to the front-panel buttons. **If you have configured a hotkey preceding sequence other than two consecutive scroll locks, you should change your hotkey sequence accordingly.** (For preceding sequence key configuration, please refer to Quick Installation Guide)
- When the binding of PC & USB hub port control switching is enabled by the hotkey sequence: ScrLk + ScrLk + Z, any PC and hub port control switching are bound together. To remove this binding, use the hotkey sequence: ScrLk + ScrLk + X.
- When the binding of PC & Audio&Mic switching is enabled by the hotkey sequence: ScrLk + ScrLk + Q, any PC and audio&mic switching are bound together. To remove this binding, use the hotkey sequence: ScrLk + ScrLk + W.

Mac User: Standard [PC] Keyboard mapping to [MAC] Keyboard -- [ScrLk] + [ScrLk] + [C] = [⏏] (CD/DVD drive eject key); [ScrLk] + [ScrLk] + [F10] = [F13]; [ScrLk] + [ScrLk] + [F11] = [F14]; [ScrLk] + [ScrLk] + [F12] = [F15]

LED Information: Green LED indicates PC port status: solid green – active port; flashing green – PC not connected; Red LED indicates hub port control status: solid red – that PC has the control of all hub ports.

Important Note: The USB hub control status LED (red) indicates not the connected status of each USB device, but indicates which PC port has the control of all hub ports and their connected devices. For example, when USB LED 1 is lit, it means PC port 1 has the current control of all hub ports and their connected USB devices.