

UKU-248/UKA-248

4-port USB PS/2 KVM Switch

w/ optional Audio & Microphone Switching

Quick Installation Guide

Thank you for purchasing the UKU-248/UKA-248 USB PS/2 KVM Switch w/ optional Audio&Mic Switching! With our highly reliable and quality product, user can enjoy countless benefits from using it.



UKU-248 / UKA-248

Introduction

The UKU-248/UKA-248 USB PS/2 KVM Switch is a 4-port KVM Switch that provides optional Audio&Mic switching (only for UKA-248) to offer you uninterrupted multimedia experience with KVM Switching. With its multi-platform support for PC and Macintosh G3/G4, iMAC, this KVM Switch allows you to access, control, boot and reboot multiple USB-enabled multimedia computers using only one keyboard, video, mouse and optional speaker set and microphone. Built-in with a 4-port USB Hub, it is designed specifically for sharing your USB keyboard, mouse and other USB devices with four USB-enabled PCs.

Before you install

The default setting of the UKU-248/UKA-248 USB PS/2 KVM Switch is appropriate for most systems. In fact, you do not need to configure the KVM Switch before installation. **Yet particular caution has to be taken before installation:**

⚡ If you do not want to use PS/2 keyboard/mouse and want to use USB keyboard/mouse instead, you might need to disable the PS/2 option and enable the USB option in the BIOS setting of your PC, especially when some older computers might not be able to automatically detect the input devices.

⚡ **USB keyboard user must note:** if you use a USB keyboard instead of a PS/2 one, you will not be able to utilize the hotkey function. In order to use the hotkey function fully, it is recommended to

use a PS/2 keyboard. Also you have to "sync" your hub port control and PC port selection (i.e. green PC port LED and red USB hub port LED should be aligned) so that your PC can find your USB keyboard and mouse.

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 correct setup sequence:



The correct setup sequence is

- Connect the shared keyboard, monitor and mouse (and optional speaker set and microphone) to the KVM Switch first, and then connect your computers.
- Power up your connected computers...
Since the KVM Switch receives power from the computer's USB and PS/2 interface, it is powered up when you connect the KVM Switch to a PC. But if you intend to use the USB hub ports for bigger devices, you should plug in the external power adapter.

Out of the box Installation

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



If you are connecting with any computer using PS/2 interface, **DO NOT TRY** to connect the KVM Switch to the computers while the computers are still in powered-on states. Otherwise, the computer will have difficulty recognizing your shared keyboard and mouse. However, if you are connecting it all with USB-enabled computers, there is no such limitation since it is hot-pluggable.

Step 1. Make sure all the computers that are to be connected to the KVM Switch and their peripherals are in powered-off state. If not, power them off before you proceed with the following steps. (If you are connecting with computers using the PS/2 interface)

Step 2. Connect the shared PS/2 (or USB) keyboard, mouse and monitor (and optional speaker set and microphone) as well as other shared USB devices to the KVM switch. **Also it is recommended to connect the external power adapter to your KVM Switch, if you intend to use USB hub ports for bigger devices.**

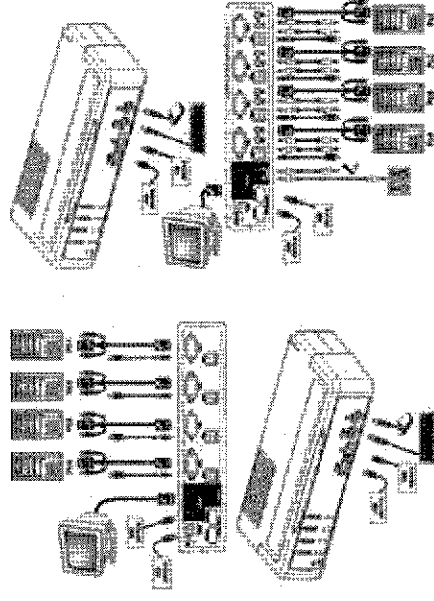
Step 3. Connect each of your computers to the KVM switch, using only our Slim 3-in-1 combo KVM cable, USB (Type A-to-Type B) cable and audio & Mic cables (see the pictures below).



Slim 3-in-1 KVM combo cable USB cable Audio-Mic Combo Cable
(TypeA-to-TypeB)

⚡ If you are using USB computers, you can use standard VGA cables and USB cables for connections to PCs instead of the Slim 3-in-1 KVM combo cable.

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



UKU-248

UKA-248 (w/ AU&Mic)

Easy Operation

There are two methods to control your KVM Switch for either simultaneous or independent PC / USB hub port / 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 press the USB button for USB hub port control switching. If you want to enable the binding of PC/Hub port/Audio&Mic switching, use the hotkey sequences. See Quick Reference Sheet

Keyboard hotkeys

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

Hotkey sequence = ScrLk + ScrLk + Command key

⚡ 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

USB PS/2 KVM Switch Operation Commands for Hotkeys/ Front-Panel Buttons		Hotkeys	Front-panel Buttons	Description
Select PC Channel (Joint-select PC port and hub port control/Audio&mic, if binding is enabled)*	ScrLk + [ScrLk] + [X]² (X is a top-row number key) X = 1 ~ 4 for channel no.		Press the PC Button to switch to the desired PC channel.	Select the active PC channel (Joint-select PC / Hub port control/ audio&mic channel, if binding is enabled)
Select Hub Port Control ³ (Joint-select PC port and hub port control, if PC/USB Hub port control binding is enabled) ³	ScrLk + [ScrLk] + [F_x] (F _x is a function key)		Press the USB Button to toggle the PC channel that controls all USB hub ports	Select the PC channel for all USB hub ports control (Joint-select PC & Hub port control, if binding is enabled)
Select Audio&Mic Channel ⁴ [UKA-248 only] (Joint-select PC port and audio&mic channel, if PC/Audio binding is enabled) ³	ScrLk + [ScrLk] + [F_y] (F _y is a function key)		--	Select the active Audio&Mic channel (Joint-select PC / Audio&mic channel, if binding is enabled)
Bind PC & Hub Port Control Switching ³	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)
Unbind PC & Hub Port Control Switching ³	ScrLk + [ScrLk] + [X]		--	Disable the binding of PC port and hub port control switching (factory default)
Bind PC & Audio/Mic Switching ⁴ [UKA-248 only]	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 ⁴ [UKA-248 only]	ScrLk + [ScrLk] + [W]		--	Disable the binding of PC port and audio&mic switching
Next lower PC channel (Joint-select PC port and hub port control, if binding is enabled) ³	ScrLk + [ScrLk] + [↑] (arrow up)		--	Select the next lower PC channel (Joint-select PC port and hub port control, if binding is enabled)
Next higher PC channel (Joint-select PC port and hub port control, if binding is enabled) ³	ScrLk + [ScrLk] + [↓] (arrow down)		--	Select the next higher PC channel (Joint-select PC port and hub port control, if binding is enabled)
Beep Sound On/Off	ScrLk + [ScrLk] + [B]		--	Toggle on/off the beep sound for hotkeys and autoscanning
Console Mouse Reset	ScrLk + [ScrLk] + [End]		--	Reset mouse/keyboard on the console side (This hotkey command is applicable to PCs with PS/2 interfaces and works only for PnP OS such as Windows 98 SE or later Windows OS)
Autoscan	ScrLk + [ScrLk] + [S]		--	Autoscan through every connected channel for quick screen browsing of each channel (scan delay = 5 sec.)
Autoscan Delay Time	ScrLk + [ScrLk] + [S] + [X]² X = 1~6 1 → 10" ; 2 → 20" ; 3 → 30" ; 4 → 40" ; 5 → 50" ; 6 → 60"		--	Specify delay time within a range of 10 ~ 60 seconds
Stop Autoscan	Press any key on keyboard		Press any button	Terminate Autoscan activity

Notes:

1. A PS/2 keyboard is required for proper hotkey function. If you use a USB keyboard, hotkey is no longer for use.
 2. Currently only the top row number keys are available for hotkeys. Do not use the number pad for hotkey commands.
 3. 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
 4. 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.
- USB keyboard & mouse tip:** If you use a USB keyboard and mouse, you have to make the hub port control "sync" with your PC port before you can operate your computer properly with USB devices on hub ports.
- LED information:** The PC port LED/button is lit as orange to indicate a connected state and as green to indicate an active port. 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.