

## Quick Installation Guide



### AP-202A/ AP-204A

#### 2/4-port DisplayPort USB KVM Switch w/ Audio, Mic & Hub True Transparent USB Emulation Technology

Thank you for purchasing the AP-202A/ AP-204A DisplayPort USB KVM switch! With our highly reliable and quality product, user can enjoy countless benefits from using it.

#### INTRODUCTION

AP-202A/ AP-204A is a 2/4-port DisplayPort USB KVM switch with audio and microphone switching function. It features the latest True Transparent USB (TTU) Emulation Technology for advanced types of keyboards and mice. Another technology this device implements is Active Sync Replication (A.S.R.) which fully supports advanced DDC video signaling requirement of the latest operating systems, such as Windows 7 and Mac OS X. AP-202A/ AP-204A can help you control, boot and reboot 2/ 4 computers using only one set of keyboard, mouse, monitor display and a set of microphone and speakers/ headphones.

The audio&mic switching function offers you uninterrupted multimedia experience while performing KVM switching. Multi-platform support for PC and Mac is available. For even more convenience, there are two additional USB ports at back panel for USB device sharing. We also offer five key alternatives for free configuration for users who might need to use a hotkey preceding sequence other than two scroll locks.

#### INSTALLATION

1. Connect the USB keyboard, USB mouse, monitor, speaker and microphone to according ports in Console section on KVM. Please note that USB keyboard and mouse ports are right two type A USB ports in Console section. (See the circle in below image). Connect the DisplayPort monitor to the DisplayPort console connector in Console section on KVM.



Rear View of AP-204A

2. After these peripheral connections (especially the monitor connection) are made, you should then power on the KVM switch by plugging in the power adapter to the power receptacle on the back panel.
3. Connect each computer to the KVM switch, using the DisplayPort cable and USB cable. After you have connected the KVM and computers properly, you can operate the KVM switch immediately.



Some older computers with USB interface might need to manually enable the USB option in the BIOS settings before you can use any USB devices. If your USB interface does not work, please check the USB option in the BIOS.

4. If you want to share USB devices among computers, you can connect each of your USB devices to the USB 2.0 device ports (the two USB ports on the left top corner in the Console section are the device ports for USB devices such as printer, webcam, hard drive, flash disk, etc.)

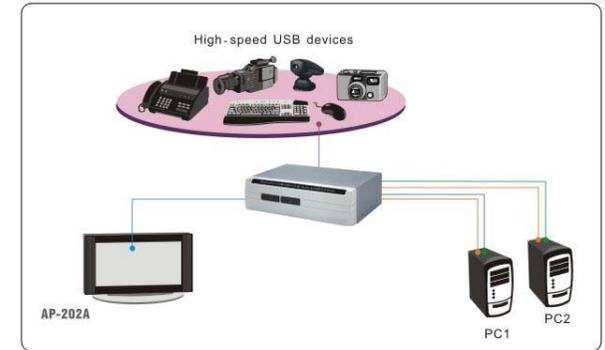
You can now begin to use the KVM switch.

#### SHARING HIGH-SPEED USB DEVICE

There are four USB ports on the back panel. The two type A USB ports on the right in Console section are reserved only for keyboard and mouse only, while the other two USB ports on the left top corner are for connecting with other USB 2.0 devices (See the circle in below image).



Rear View of AP-204A



#### OPERATION

There are two methods to control your KVM switch for PC/ hub port/ audio&mic port selection: the front-panel push button and the hotkey sequences.

##### Front-Panel Buttons

The front-panel button allows you a direct control over KVM switching operation. Simply press the button to switch to the desired PC port (together with the hub port control and/or audio&mic port, if binding is enabled). By default, PC port switching, hub port control and audio&mic port switching are bound together, unless you specify the audio to be a fixed specific port. See "Quick Reference Sheet" for operation details.

##### Keyboard Hotkeys

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 DisplayPort USB KVM Switch w/ Audio, Mic & Hub -- Operation Commands for Hotkeys / Front-Panel Button			
Hotkey sequence = [ScrLk] + [ScrLk] + Command key(s) * User-definable Preceding sequence = SCROLL LOCK, CAPS, ESC, F12 or NUM LOCK			
Command	Hotkeys	Front-Panel Button	Description
<b>Select PC Port</b> <sup>2</sup> (Jointly select PC port/ hub port control/ audio&mic, if binding is enabled)	<b>ScrLk</b> + <b>ScrLk</b> + <b>[x]</b> x = 1-2/ 1-4 for PC port number	Press the corresponding button to select the active PC port.	Select the active PC port (Jointly select PC port/ hub port control/ audio mic, if binding is enabled)
<b>Select Hub Port Control</b> <sup>2</sup> (Jointly select PC and hub port control, if binding is enabled)	<b>ScrLk</b> + <b>ScrLk</b> + <b>[Fx]</b> Fx = F1~F2/ F1~F4 (Fx is a function key) x = 1-2/ 1-4 for hub port number	Press the button to toggle the specific PC+USB hub port control. (It works only if PC port/ hub port control binding is enabled.)	Select the PC port that control all USB hub ports (Jointly select PC & hub port control, if PC/ hub port control binding is enabled)
<b>Select Audio&amp;Mic Port</b> <sup>3</sup> (Jointly select PC port and audio&mic, if binding is enabled)	<b>ScrLk</b> + <b>ScrLk</b> + <b>[Fy]</b> Fy = F5~F6/ F5~F8 (Fy is a function key) y = 5-6/ 5-8 for audio&mic port number	--	Select the active audio&mic port (Jointly select PC & audio&mic port, if binding is enabled)
<b>Bind PC and Hub Port Control Switching</b> <sup>2</sup> [Default]	<b>ScrLk</b> + <b>ScrLk</b> + <b>Z</b>	--	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) <b>(factory default)</b>
<b>Unbind PC and Hub Port Control Switching</b> <sup>2</sup>	<b>ScrLk</b> + <b>ScrLk</b> + <b>X</b>	--	Disable the binding of PC port and hub port control switching
<b>Bind PC and Audio&amp;Mic Switching</b> <sup>3</sup> [Default]	<b>ScrLk</b> + <b>ScrLk</b> + <b>Q</b>	--	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) <b>(factory default)</b>
<b>Unbind PC and Audio&amp;Mic Switching</b> <sup>3</sup>	<b>ScrLk</b> + <b>ScrLk</b> + <b>W</b>	--	Disable the binding of PC port and audio&mic switching
<b>Previous PC port</b> <sup>2</sup> (Jointly select PC/ hub port control, if binding is enabled)	<b>ScrLk</b> + <b>ScrLk</b> + <b>↑</b> (arrow up)	--	Select the previous connected PC port (Jointly select PC/ hub port control, if binding is enabled)
<b>Next PC port</b> <sup>2</sup> (Jointly select PC/ hub port control, if binding is enabled)	<b>ScrLk</b> + <b>ScrLk</b> + <b>↓</b> (arrow down)	--	Select the next connected PC port (Jointly select PC/ hub port control, if binding is enabled)
<b>Previous PC port</b>	<b>ScrLk</b> + <b>ScrLk</b> + <b>←</b> (Backspace)	--	Toggle between the previous port and current port
<b>Beep Sound On/Off</b>	<b>ScrLk</b> + <b>ScrLk</b> + <b>B</b>	--	Toggle on/off the beep sound while autoscanning
<b>Define Hotkey Preceding Sequence</b>	<b>ScrLk</b> + <b>ScrLk</b> + <b>H</b> + <b>[y]</b> y = SCROLL LOCK, CAPS, ESC, F12 or NUM LOCK	Press and hold down last button (Button 2 / Butotn4) till two beeps, release the button, then press <b>[y]</b> key	Select the hotkey preceding sequence among 5 alternative keys
<b>Autoscan</b>	<b>ScrLk</b> + <b>ScrLk</b> + <b>S</b>	--	Autoscan through every connected port for quick screen browsing of each port (scan delay = 5 sec.).
<b>Autoscan with Programmable Delay Time</b>	<b>ScrLk</b> + <b>ScrLk</b> + <b>S</b> + <b>[z]</b> 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
<b>Stop Autoscan</b>	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 button. If you have configured a hotkey preceding sequence other than two consecutive scroll locks, here you should change your hotkey sequence accordingly. (For preceding sequence key configuration, please refer to "Define Hotkey Preceding Sequence" in above table.)
- 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 and 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.



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