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SMARTAVI SM-DPN-4S 4 Port Display Port KVM Switch User Guide

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Contents

Product Instruction

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WHAT'S IN THE BOX

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PART NO.	**QTY**	**DESCRIPTION**
SM-DPN-4S-S	1	4-Port DisplayPort KVM Switch with Audio and USB 2.0 Support.
PS12VDC2A	1	12V DC, 2A power adapter with center-pin positive polarity.
	1	Quick Start Guide

EDID LEARN

The KVM is designed to learn a connected monitor's EDID upon power up. In the event of connecting a new monitor to the KVM, a power re-cycle is required.

SYSTEM CONTROL

There are three ways to control the SM-DPN: Keyboard HotKeys, RS-232 Serial Commands, and Front Panel Buttons.
The settings for the serial connection are as follows: Baud rate: **115200;** Data Bits: **8;**
Parity: None; Stop **Bits: 1;**
Flow Control: None.
The following commands can be used:

Command	HotKey	RS-232
Switch KVM	[CT][CT][#]<CR>	//**m**[#]<CR>
Audio Only	[CT][CT]**a**[#]<CR>	//**a**[#]<CR>
KM Only	[CT][CT]**c**[#]<CR>	//**c**[#]<CR>
USB Only	[CT][CT]**u**[#]<CR>	//**u**[#]<CR>
Learn EDID	[CT][CT]**e** <CR>	//**e** <CR>
SW Reset	[CT][CT]**r**	//**r** <CR>
Status Query	N/A	//**??** <CR>
Current HK Trigger	[Alt][Alt][Alt]**x** 0 <CR>	//**hk** <CR>
Update HK Trigger	[HK][HK] **x**[1|2|3] <CR>	N/A

Chart Key

[CT] =
Ctrl = Carriage Return (Enter Key) [HK] = Current Hot Key Trigger
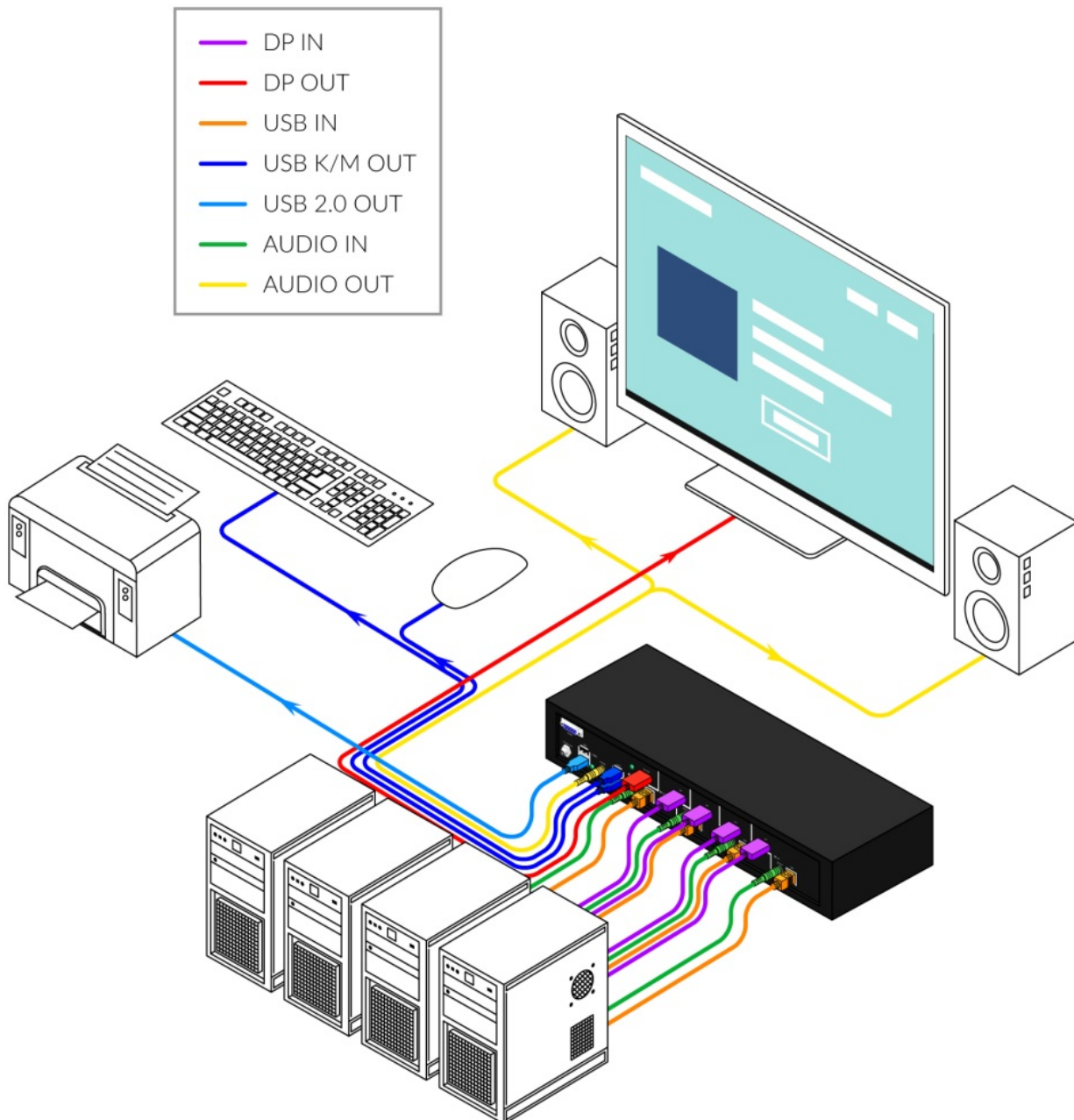
1. = Ctrl (Default) |

2. = Shift |

3. = Scroll Lock

HARDWARE INSTALLATION

1. Ensure that power is turned off or disconnected from the unit and the computers.
2. Use DP cables to connect the DP output ports from each computer to the corresponding DP IN ports of the unit.
3. Use a USB cable (Type-A to Type-B) to connect a USB port on each computer to the respective USB ports of the unit.
4. Optionally connect a stereo audio cable (3.5mm to 3.5mm) to connect the audio output of the computers to the AUDIO IN ports of the unit.
5. Connect monitors to the DP OUT console ports of the unit using DP cables.
6. Connect a USB keyboard and mouse in the two USB console ports.
7. Optionally connect stereo speakers to the AUDIO OUT port of the unit.
8. Finally, power on the KVM by connecting a 12VDC power supply to the power connector, and then turn on all the computers.

Note: You can connect up to 4 computers to the 4 port KVM.

TECHNICAL SPECIFICATIONS

VIDEO	
Format	DisplayPort
Maximum Pixel Clock	165 MHz
Input Interface	(4) DisplayPort
Output Interface	(1) DisplayPort
Resolution	3840 x 2160 @ 30 Hz
DDC	5 volts p-p (TTL)
Input Equalization	Automatic
Input Cable Length	Up to 20 ft.
Output Cable Length	Up to 20 ft.
USB	
Signal Type	USB 2.0, 1.1, and 1.0 w/ internal hub
Input Interface	(4) USB Type B
Output Interface	(2) USB 1.1 Type A for KVM Devices(2) USB 2.0 Type A Transparent
AUDIO	
Input	(4) 3.5 mm Stereo Audio
Output	(1) 3.5 mm Stereo Audio
POWER	
Power Requirements	12V DC, 2A power adapter with center-pin positive polarity
ENVIRONMENT	
Operating Temp	32° to 104° F (0° to 40° C)
Storage Temp	-4° to 140° F (-20° to 60° C)
Humidity	0-80% RH, non-condensing
CONTROL	
Front Panel	Push Buttons with LED indicators
RS-232	Via Serial @ 115200 bps
Hot Keys	Via Keyboard
OTHER	
Emulation	Keyboard, Mouse and Video

Documents / Resources

SMARTAVI SM-DPN-4S 4 Port Display Port KVM Switch [pdf] User Guide
SM-DPN-4S 4 Port Display Port KVM Switch, SM-DPN-4S, 4 Port Display Port KVM Switch, Port Display Port KVM Switch, Display Port KVM Switch, Port KVM Switch, KVM Switch, Switch

References

- **Home - SmartAVI**
- **SM-DPN-4S - SmartAVI**
- **User Manual**

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