TECHNICAL SPECIFICATION

VIDEO	
Format	DisplayPort 1.2
Maximum Pixel Clock	165 MHz
Input Interface (TX)	(4) DisplayPort
Output Interface (RX)	(1) DisplayPort
Resolution	Up to 4K (3840x2160 @60Hz)
DDC	via AUX
Equalization	Automatic
Input Cable Length	Up to 15 ft.
Output Cable Length	Up to 15 ft.

AUDIO	
Input Interface	(4) 3.5 mm Mic Audio
Output Interface	(1) 3.5 mm Mic Audio
Impedance	600 Ohm
Frequency Responce	20 Hz to 20 kHz
Nominal Level	0-1.0 V
Common Mode	Rejection at 60 dB

USB	
Signal Type	USB 2.0
Input Interface (TX)	(4) USB Type B
Output Interface (RX)	(2) USB 1.1 Type A K/M (2) USB 2.0 Type A Transparent

CONTROL	
Front Panel	Buttons, Select/Switch between Video & Audio sources and view the current selected channel
Hot Keys	Via Keyboard

OTHER	
Power	External 100-240 VAC/5VDC2A
Dimensions	2" H x 6" D x 12.75" W
Weight	3.75 lbs
Operating Temp.	0-55 °C (32-131°F)
Storage Temp.	-20-85 °C (-4-185 °F)
Humidity	Up to 95%
Emulation	Keyboard and mouse only

WHAT'S IN THE BOX

PART NO.	Q-TY	DESCRIPTION
DPN-4P-S	1	4-Port DisplayPort KVM Switch with USB 2.0 and Mic Audio Support
PS5VD2A-WMT	1	PS5VD2A Power Supply
Quick Start Guide	1	

NOTICE

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Smart-AVI
SMART AUDIO VIDEO INNOVATION

DPN-4P

4 Port DisplayPort USB KVM Switch with Mic Audio and USB 2.0 Support

ACCESS & CONTROL UP TO 4 COMPUTERS FROM A SINGLE WORKSTATION

Quick Start Guide

SYSTEM CONTROL

There are three ways to control the DPN-4P: 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
All USB, audio, video	`[CTRL][CTRL]` `[port#][ENTER]`	`//m[port#]` `[ENTER]`
Audio Only	`[CTRL][CTRL]` `a[port#][ENTER]`	`//a[port#]` `[ENTER]`
KM Only	`[CTRL][CTRL]` `c[port#][ENTER]`	`//c[port#]` `[ENTER]`
USB Only	`[CTRL][CTRL]` `u[port#][ENTER]`	`//u[port#]` `[ENTER]`
Learn EDID	`[CTRL][CTRL]` `e[ENTER]`	`//e[ENTER]`
Trigger Hotplug	`[CTRL][CTRL]` `h[ENTER]`	`//h[ENTER]`
Reset Software	`[CTRL][CTRL]r`	`//r[ENTER]`
Factory Defaults	`[CTRL][CTRL]f`	`//f[ENTER]`
Same as front panel ◄ M1 button	`[HK][HK]↑`	`N/A`
Same as front panel M2 ► button	`[HK][HK]↓`	`N/A`
Get Port Status	`N/A`	`//??[ENTER]`

CUSTOM HOTKEY TRIGGERS

Users are able to customize the keys that trigger Hotkeys. The following keys are allowed:

`CTRL (Left / Right), ALT, SHIFT (Left / Right), Caps Lock, Scroll Lock, F1-F12`

Change HK Trigger
`HK + HK + X +` desired hotkey

View Current HK Trigger
Use the RS-232 command: `//??[ENTER]`
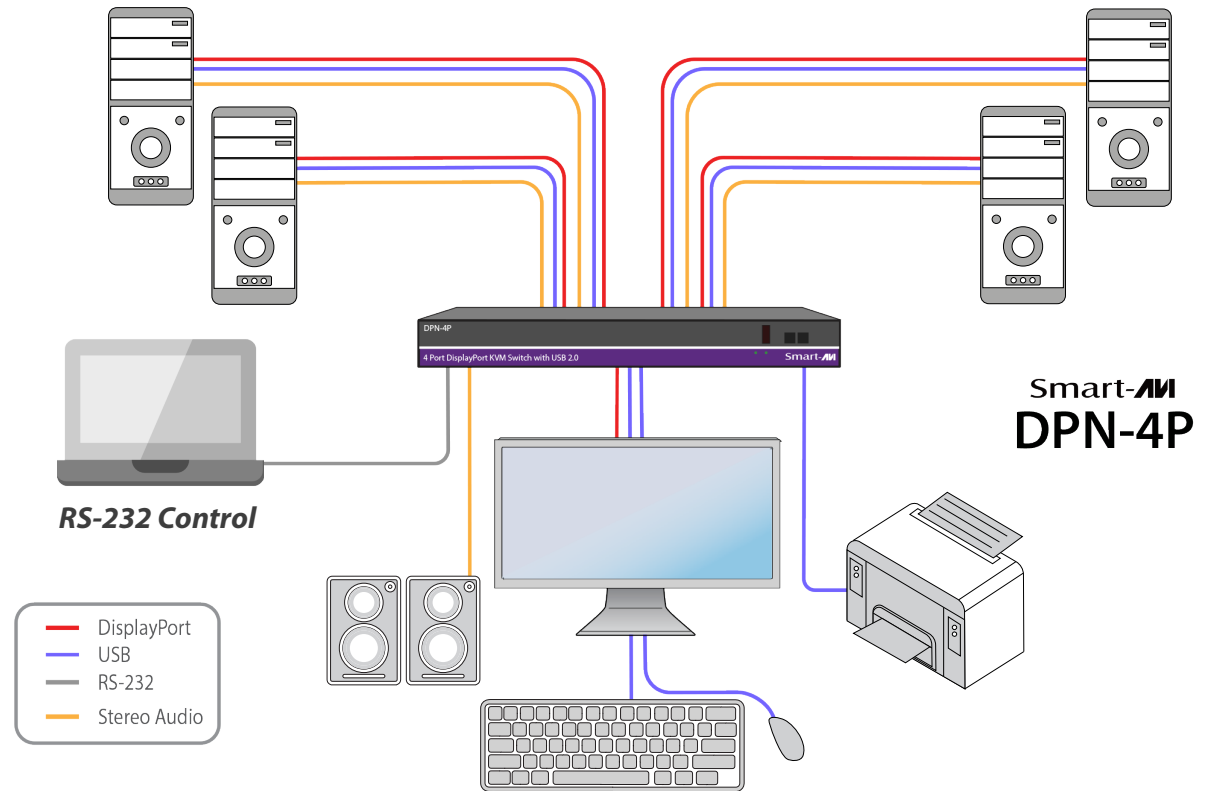
Reset HK Trigger
Run "Factory Defaults" command.

Default HotKey Trigger
`CTRL` (Left)

HARDWARE INSTALLATION

1. Ensure that power disconnected from the DPN-4P
2. Connect the DisplayPort cables, USB cables (male-A to male-B) from the computers to the respective input port on the DPN-4P
3. Optionally connect Audio cables (3.5 mm jack) from the computers to the input ports on the DPN-4P
4. Connect the USB keyboard and mouse to the two USB ports marked for them on the right
5. Connect the DisplayPort monitor to the OUT connectors on the DPN-4P
6. Optionally connect a microphone to the out jack on the DPN-4P
7. Optionally connect up to two USB devices to the DPN-4P
8. Power on the DPN-4P

Note: The two USB ports on the right are dedicated for keyboard and mouse emulation. The two on the left are for other USB peripherals (flash drives, printers, etc.)

RS-232 Control

Smart-**AVI**
DPN-4P

—	DisplayPort
—	USB
—	RS-232
—	Stereo Audio

DPN-4P FRONT

DPN-4P BACK