TECHNICAL SPECIFICATION

VIDEO	
Format	DVI-D Single Link, DVI 1.0
Maximum Pixel Clock	165 MHz
Input Interface	(8) DVI-D 29-pin
Output Interface	(2) DVI-D 29-pin
Resolution	Up to 1920 x 1200 @60Hz
DDC	5 volts p-p (TTL)
Input Equalization	Automatic
Input Cable Length	Up to 20 ft
Output Cable Length	Up to 20 ft
AUDIO	
Input Interface	(4) 3.5 mm Stereo Audio
Output Interface	(1) 3.5 mm Stereo Audio
Impedance	600 Ohm
Frequency Response	20 Hz to 20 kHz
Nominal Level	0-1.0 V
Common Mode	Rejection at 60 dB
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
CONTROL	
Front Panel	Tactile Switch, with Seven Segment Display
RS-232	Via Control @ 115200, N, 8, 1, No Flow Control
Hot Keys	Via Keyboard
OTHER	
Power	External 100-240 VAC/ 5VDC4A
Dimensions	12.5" W x 2.5" H x 6.4" D
Weight	3.2 lbs
Approvals	UL, CE, ROHS Compliant
Operating Temp.	0-55 °C (32-131 °F)
Storage Temp.	-20-85 °C (-4-185 °F)
Humidity	Up to 95%
Emulation	Keyboard and Mouse

WHAT'S IN THE BOX

PART NO.	Q-TY	DESCRIPTION
DVN-4DUO-S	1	4 Port Dual DVI-D, USB 2.0, Audio Switch
PS5VDC4A	1	PS5VD4A Power Supply
Quick Start Guide	1	

NOTICE

DESIGNED AND MADE IN THE USA

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Smart-AVI
SMART AUDIO VIDEO INNOVATION

DVN-4DUO

4-Port Dual DVI-D KVM Switch with USB 2.0 and Audio

ACCESS AND CONTROL 4 DUAL DISPLAY COMPUTERS USING ONLY ONE USB KEYBOARD AND ONE USB MOUSE

Quick Start Guide

SYSTEM CONTROL

There are three ways to control the DVN-4DUO: 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]
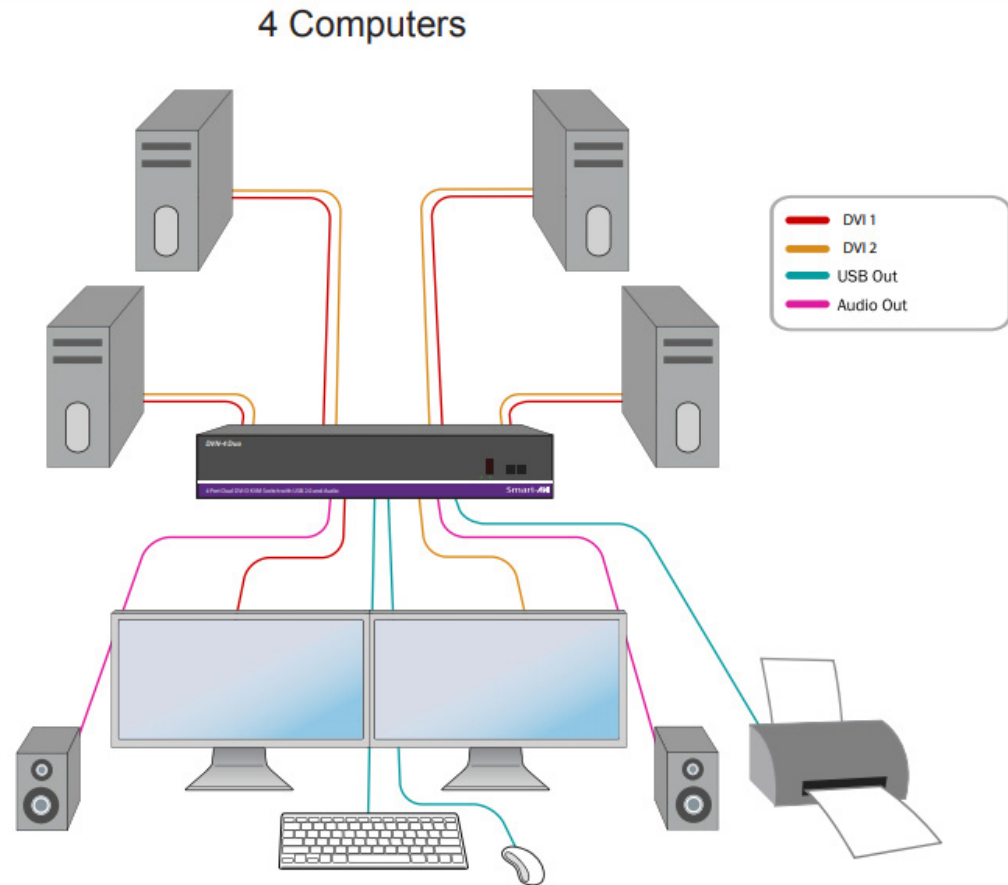
Reset HK Trigger
Run "Factory Defaults" command.

Default HotKey Trigger
CTRL (Left)

HARDWARE INSTALLATION

1. Ensure that power is disconnected from DVN-Duo.
2. Connect the DVI cables, USB cables (male-A to maleB), and audio cables from the computers to the respective ports on the DVN-4Duo.
3. Optionally connect RS-232 for control functions.
4. Connect the USB keyboard and mouse on the two USB ports on the right (close to the RS-232 port).
   Note: The 2 ports on the right are dedicated for keyboard and mouse emulation. The 2 on the left are for other USB peripherals (flash drives, printers, etc.)
5. Connect the speakers into the Audio Out port located above the USB ports.
6. Connect 2 display monitors the 2 DVI OUT connector on the DVN-Duo.
7. Power on the DVN-4Duo.

4 Computers

DVI 1
DVI 2
USB Out
Audio Out

DVN-4DUO FRONT

DVN-4DUO BACK