

TECHNICAL SPECIFICATIONS

VIDEO	
Format	DVI Dual Link; DVI Single-Link; VGA
Maximum Pixel Clock	165 MHz
Input Interface	(8) DVI-I 29-pin
Output Interface	(1) DVI-I 29-pin
Resolution	DVI Dual-Link: 2560 x 1600; DVI Single-Link: 1920 x 1200; VGA: 1920 x 1080
DCC	5 volts p-p (TTL)
Input Equalization	Automatic
Input Cable Length	Up to 20 ft.
Output Cable Length	Up to 20 ft.
AUDIO	
Input	(8) 3.5 mm Stereo Audio
Output	(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
CONTROL	
Front Panel	Push Buttons with LED Indicators
RS-232	Via Control @ 9600 bps
OTHER	
Power	External 100-240 VAC/ 12VDC2A @ 36W
Dimensions	17.0" W x 1.76" H x 8.69" D
Weight	6.3 lbs
Approvals	UL, CE, ROHS Compliant
Operating Temperature	+32 to +104 °F (0 to +40 °C)
Storage Temperature	-4 to 140 °F (-20 to +60 °C)
Humidity	Up to 80% (No Condensation)

WHAT'S IN THE BOX

PART NO.	QTY	DESCRIPTION
DV-SW8-P-S	1	8-Port DVI-I Dual Link Switch with Audio
PS12VD2A-WLLMNT	1	12V DC, 2A power adapter with center-pin positive polarity.
	1	Quick Start Guide

NOTICE

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Smart-AVI
SMART AUDIO VIDEO INNOVATION

DV-SW8-P



**8 Port DVI-I Video
and Audio Switch
with Serial Control**

Quick Start Guide

A full Manual can be downloaded from
www.smartavi.com/DV-SW8-P/

EDID LEARN

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

SYSTEM CONTROL

There are two ways to control the DV-SW8-P: RS-232 Serial Commands, and Front Panel Buttons.

The settings for the serial connection are as follows: Baud rate: **9600**; Data Bits: **8**; Parity: **None**; Stop Bits: **1**; Flow Control: **None**.

The following commands can be used:

Command	RS-232
Switch Video and Audio	//m [port #] [ENTER]
Switch Audio Only	//a [port #] [ENTER]
Switch Video Only	//c [port #] [ENTER]
Learn EDID	//e [port #] [ENTER]
Trigger Hotplug	//h [port #] [ENTER]
Reset Software	//r [port #] [ENTER]
Input Status	//?? [port #] [ENTER]

HARDWARE INSTALLATION

1. Ensure that power is turned off or disconnected from the unit and the computers.
2. Use **DVI cables** to connect the DVI output ports from each computer to the corresponding DVI-I IN ports of the unit.
3. 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.
4. Connect monitors to the DVI-I OUT console port of the unit using a **DVI cable**.
5. Optionally connect stereo speakers to the AUDIO OUT port of the unit.
6. Finally, power on the KVM by connecting a **12VDC power supply** to the power connector, and then turn on all the computers.

VGA SUPPORT

To use the DV-SW8-P with a VGA device, the monitor must also support analog signals. Once this is affirmed, you can connect the VGA monitor and PC to the DV-SW8-P using passive VGA to DVI adapters.

