

TECHNICAL SPECIFICATIONS

VIDEO	
Format	DVI-D Single Link
Maximum Pixel Clock	165 MHz
Input Interface	(4) DVI-D 29-pin (female)
Output Interface	DVI-D 29-pin (female)
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 (female)
Output Interface	(2) USB Type A (female) for keyboard and mouse connection only; (2) for USB 2.0 Transparent

CONTROL	
Front Panel	Tactile Switch
RS-232	Via Control @ 9600 bps
Hotkeys	Via Keyboard
IR	Optional

TECHNICAL SPECIFICATIONS

OTHER	
Power	External 100-240 VAC/ 5VDC4A @20W
Dimensions	12.6" W x 1.75" H x 6.6" D
Weight	10 lbs.
Approvals	UL, CE, ROHS Compliant
Operating Temp.	32-131 °F (0-55 °C)
Storage Temp.	-4-185 °F (-20-85 °C)
Humidity	Up to 95%
Emulation	Keyboard and Mouse

WHAT'S IN THE BOX

PART NO.	QTY	DESCRIPTION
DVN-4ProS	1	DVNET-4Pro, 4x1 Dual DVI-D, USB 2.0, Audio Switch
Power Supply	1	PS5VDC4A
User Manual	1	



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SMART AUDIO VIDEO INNOVATION

DVNET-4Pro

4-Port DVI-D KVM Switch with USB 2.0 Sharing



Access and control KVM and audio on up to 4 computers using one USB keyboard, one USB mouse and a DVI-D monitor

USER MANUAL

INTRODUCTION

DVNET-4Pro is a dedicated multi-platform KVM switch capable of managing up to 4 different computers through a single DVI-D monitor, USB keyboard & mouse, a single set of speakers and a USB 2.0 Device. It features USB keyboard and mouse emulation for faster and reliable switching through the use of hotkey sequence commands. It is also RS-232 compliant, capable of being controlled remotely via third-party software.

FEATURES

- Compatible with Windows, Mac and Linux Operating Systems
- Supports up to 1920x1200 digital video resolution
- Uses universal DVI single-link connectors
- Supports all USB 2.0 Devices (Flash drives, Printers, Cameras, Scanners, etc.)
- Supports USB keyboard and mouse emulation
- Balanced stereo audio output
- Front panel tactile switch with LED display for local control
- RS-232 control for additional control
- Special Hotkey keyboard sequence to switch independent simultaneous device selection: Flexibility is key to the DVNET-4Pro

EDID LEARNING

The DVNET-4Pro is fully capable of “learning” and remembering what type of display monitor is connected to the unit. With its EDID learning feature, the DVNET-4Pro provides plug-and-play capability to its display.

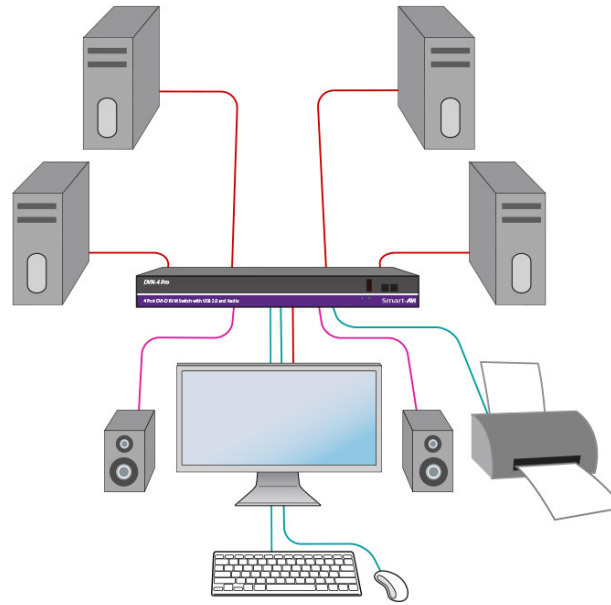
Programming the EDID can be accomplished through the **Front-Panel buttons** or through **RS-232**.

Please refer to the “Controlling the DVNET-4Pro” section of the manual for more info.

DVNET-4Pro REAR



APPLICATION DIAGRAM



CONTROLLING THE DVNET-4Pro

Front Panel Control

To switch ports using the front panel, press the **UP** button to navigate up and **DOWN** button for down. **EDID learning** is also done through the front panel buttons by pressing both buttons simultaneously.

RS-232 Control

Use a male-to-female serial cable to connect a computer to the RS-232 port of the DVNET-4Pro. Use terminal client software such as the **HyperTerminal** to connect to the DVNET-4Pro. Make sure to use the standard communication mode of 9600 bps, 8, N, 1. This port can also be used for software upgrade. Please refer to online manual for more details.

Hotkey Commands

The Hotkey command is a keyboard sequence used to trigger an action on the DVNET-4Pro through the use of the keyboard connected on the USB port of the DVNET-4Pro. To activate the hotkey sequence, press the **CTRL** key twice and then enter the desired hotkey commands.

COMMANDS	HOTKEYS	RS-232 CONTROL
Switch all devices (KVM, USB 2.0, and Audio)	[CTRL] [CTRL] m [port #] [ENTER]	// m [port #]<CR>
Switch KVM only	[CTRL] [CTRL] c [port #] [ENTER]	// c [port #]<CR>
Switch audio only	[CTRL] [CTRL] a [port #] [ENTER]	// a [port #]<CR>
EDID Learning	[CTRL] [CTRL] e [ENTER]	// e <CR>

CONNECTING THE DVNET-4Pro

1. Ensure that power is disconnected from DVNET-4Pro.
2. Connect the DVI cables, USB cables (male-A to male-B), and audio cables from the computers to the respective ports on the DVNET-4Pro.
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 USB 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 the display monitor to the **DVI OUT** connector on the DVNET-4Pro.
7. Power on the DVNET-4Pro.