

SmartAVI SM-DVN-4S 4 Port DVI I Dual Link KVM Switch User Guide

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SmartAVI SM-DVN-4S 4 Port DVI I Dual Link KVM Switch

Technical Specifications

- **Video Format:** DVI Dual Link; DVI Single-Link; VGA
- **Maximum Pixel Clock:** 165 MHz
- **Input Interface:** (4) 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
- **DDC Input Equalization:** Automatic
- **Input Cable Length:** Up to 20 ft.
- **Output Cable Length:** Up to 20 ft.

Product Usage Instructions

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-DVN: 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
Switch KVM [CT][CT][#]	RS-232 //m[#]
Audio Only [CT][CT]a[#]	//a[#]
KM Only [CT][CT]c[#]	//c[#]
USB Only [CT][CT]u[#]	//u[#]
Learn EDID [CT][CT]e	//e
SW Reset [CT][CT]r	//r
Status Query	//??
Current HK Trigger	[Alt][Alt][Alt] //hk
Update HK Trigger	[HK][HK] x

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. 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 DVI-I OUT console ports of the unit using DVI 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.

What's in the Box

- PART NO.: SM-DVN-4S-S
- QTY: 1
- DESCRIPTION: 4-Port DVI-I Dual Link KVM Switch with Audio and USB 2.0 Support.

12V DC, 2A power adapter with center-pin positive polarity.

1 Quick Start Guide

FAQ

1. Q: How many computers can I connect to the KVM?

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

2. Q: How do I control the KVM?

A: You can control the KVM using Keyboard HotKeys, RS-232 Serial Commands, or Front Panel Buttons.

Please refer to the user manual for more information on the commands and settings.

3. Q: Can I connect speakers to the KVM?

A: Yes, you can connect stereo speakers to the AUDIO OUT port of the unit.

WHAT'S IN THE BOX

TECHNICAL SPECIFICATIONS

NOTICE

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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-DVN:

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:

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.
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4-PORT DVI-I DUAL LINK KVM SWITCH WITH USB 2.0 SHARING

A full Manual can be downloaded from www.smartavi.com/SM-DVN-4S/

Documents / Resources



[SmartAVI SM-DVN-4S 4 Port DVI I Dual Link KVM Switch](#) [pdf] User Guide
SM-DVN-4S 4 Port DVI I Dual Link KVM Switch, SM-DVN-4S, 4 Port DVI I Dual Link KVM Switch, I Dual Link KVM Switch, Dual Link KVM Switch, Link KVM Switch, KVM Switch

References

- [SmartAVI Home - SmartAVI](#)
- [SM-DVN-4S - SmartAVI](#)
- [User Manual](#)