

TECHNICAL SPECIFICATIONS

| VIDEO | |
|---------------------|---|
| Format | DVI Dual Link; DVI Single-Link; VGA |
| Maximum Pixel Clock | 165 MHz |
| Input Interface | (4) DVI-D 29-pin (female) |
| Output Interface | (4) DVI-D 29-pin (female) |
| Resolution | 2560 x 1600 @ 60Hz |
| DDC | 5 volts p-p (TTL) |
| Input Equalization | Automatic |
| Input Cable Length | Up to 20 ft. |
| Output Cable Length | Up to 20 ft. |
| USB | |
| Signal Type | USB 2.0, 1.1, and 1.0 w/ internal hub |
| Input Interface | (4) USB Type B |
| Output Interface | (8) USB 1.1 Type A for KVM Devices; (8) USB 2.0 Type A Transparent |
| AUDIO | |
| Input | (8) Connector Stereo 3.5mm Female |
| Output | (1) Connector Stereo 3.5mm Female |
| POWER | |
| Power Requirements | 12V DC, 2A power adapter with center-pin positive polarity |
| ENVIRONMENT | |
| Operating Temp | 32° to 104° F (0° to 40° C) |
| Storage Temp | -4° to 140° F (-20° to 60° C) |
| Humidity | 0-80% RH, non-condensing |
| CONTROL | |
| Front Panel | Push Buttons with LED indicators |
| RS-232 | Via Serial @ 115200 bps |
| Hot Keys | Via Keyboard |
| OTHER | |
| Emulation | Keyboard, Mouse and Video |

WHAT'S IN THE BOX

| PART NO. | QTY | DESCRIPTION |
|-------------|-----|---|
| SDVN-44-X-S | 1 | 4-port, 4 User DVI-D Matrix KVM Switch |
| PS12VD2A | 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

SM-DVN-44X

Matrix KVM Switch



**ADVANCED 4-PORT, 4 USERS
SINGLE-HEAD DVI-D MATRIX
KVM SWITCH WITH AUDIO**

Quick Start Guide

A full Manual can be downloaded from
www.smartavi.com/SM-DVN-44-X/

EDID LEARN

The KVM is designed to learn the EDID of the monitor connected to Console 1 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-44X: 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:

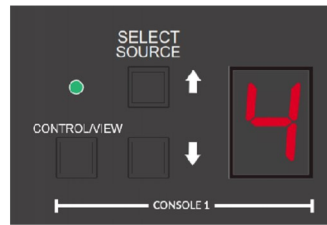
| Command | HotKey | RS-232 |
|--------------------|----------------------------|------------|
| Switch Control | [CT] [CT] c[#] | //c[u] [#] |
| Switch View | [CT] [CT] v[#] | //v[u] [#] |
| Audio Only | [CT] [CT] a[#] | //a[u] [#] |
| Learn EDID | [CT] [CT] e <CR> | //e <CR> |
| SW Reset | [CT] [CT] r | //r <CR> |
| Status Query | N/A | //?? <CR> |
| Current HK Trigger | [Alt] [Alt] [Alt] x 0 <CR> | //hk <CR> |
| Update HK Trigger | [HK] [HK] x [1 2 3] <CR> | N/A |

Note—All HotKey and RS-232 commands end with <CR>

Chart Key

[CT] = Ctrl
 [u] = User Console to update [1-4]
 <CR> = Carriage Return (Enter Key)
 [HK] = Current Hot Key Trigger

FRONT PANEL



- **Control/View** - Toggle between Control and View mode
- **UP** - Increment channel, loop back to 1 after 4
- **DOWN** - Decrement channel, loop back to 4 after 1
- Press and hold the **Control/View button**, then press the **DOWN button** - disables the display and KM control for that user.

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-D 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-D 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 Matrix by connecting a 12VDC power supply to the power connector, and then turn on all the computers.

