TECHNICAL SPECIFICATION

VIDEO	
Format	DVI-D Single Link
Input interface	(4) DVI-D 29-pin (Female)
Output interface	(4) DVI-D 29-pin (Female)
Resolution	Up to 1920 x 1200 60 Hz
DDC	5 volts p-p (TTL)
TMDS Rate	1.65Gb/s
Bandwidth	380 MHz
Pixel Clock	165 MHz Maximum
Input Equalization	Automatic
Input Cable Length	Up to 20 ft
Output Cable Length	Up to 20 ft
CONTROL	
Front Panel	Buttons, Select/Switch between sources and view the current selected channels
RS-232	DB9 Female - 115200, N, 8, 1, No flow control
OTHER	
Power Supply	External 100-240 VAC/5VDC4A
Dimensions	12" W X 6.5" D x 2" H
Weight	2.3 lbs
Operating Temp.	32 to 131°F (0 to 55 °C)
Storage Temp.	-4 to 185 °F (-20 to 85 °C)
Humidity	Up to 95% (non-condencing)

WHAT'S IN THE BOX

PART NO.	Q-TY	DESCRIPTION
DVR4X4	1	DVI-D 4x4 Router
PS5VDC4A	1	Power adapter
Quick Start Guide	1	

NOTICE

DESIGNED AND MADE IN THE USA

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SmartAVI.com

Smart-AVI
SMART AUDIO VIDEO INNOVATION

DVR-4X4

4-port DVI-D Matrix Switch

DISPLAY CONTENT FROM ANY 4 COMPUTERS ON ANY 4 SCREENS INDEPENDENTLY UP TO 20 FEET AWAY

Quick Start Guide

DDC LEARNING

DDC provides plug-and-play capability to your displays. When you plug a display into your computer, the DDC table in the display tells the computer the optimal resolution to use. In order to preserve this plugand-play capability, we have integrated DDC learning into all of our DVI Solutions.

DDC Learning Menu
Connect 1 monitor only to Output 1.
To access the DDC learning feature of the DVR4X4, press and hold both the Input Select and Output Select buttons simultaneously for 3 seconds to enter learning mode. The red LEDs will read LErn.

MENU Options
To cycle through the menu items, press Input Select. To select a menu item, press Output Select and you will exit the DDC menu. To exit the DDC menu, you must select a menu option.

"**LE-S**" indicates Screen Mode, which learns the type of display connected to the [Out 1] output port. If no screen is detected the display will read Err. This DDC will be used by all the connected computers.

"**LE-P**" indicates Personal Computer Mode and automatically selects the standard display characteristics of a PC display, which typically works for any PC/Display combination. This DDC is stored in the SmartAVI device and when selected will be used by all the connected computers.

"**LE-A**" indicates Apple Mode and selects the best display mode to accommodate an Apple Mac. This DDC is stored in the SmartAVI device and when selected will be used by all the connected computers.

FRONT PANEL

During normal operation, the unit will display the status of each output with four red LED number. The number indicates the current INPUT or source for each OUTPUT or display indicated by the green LED.
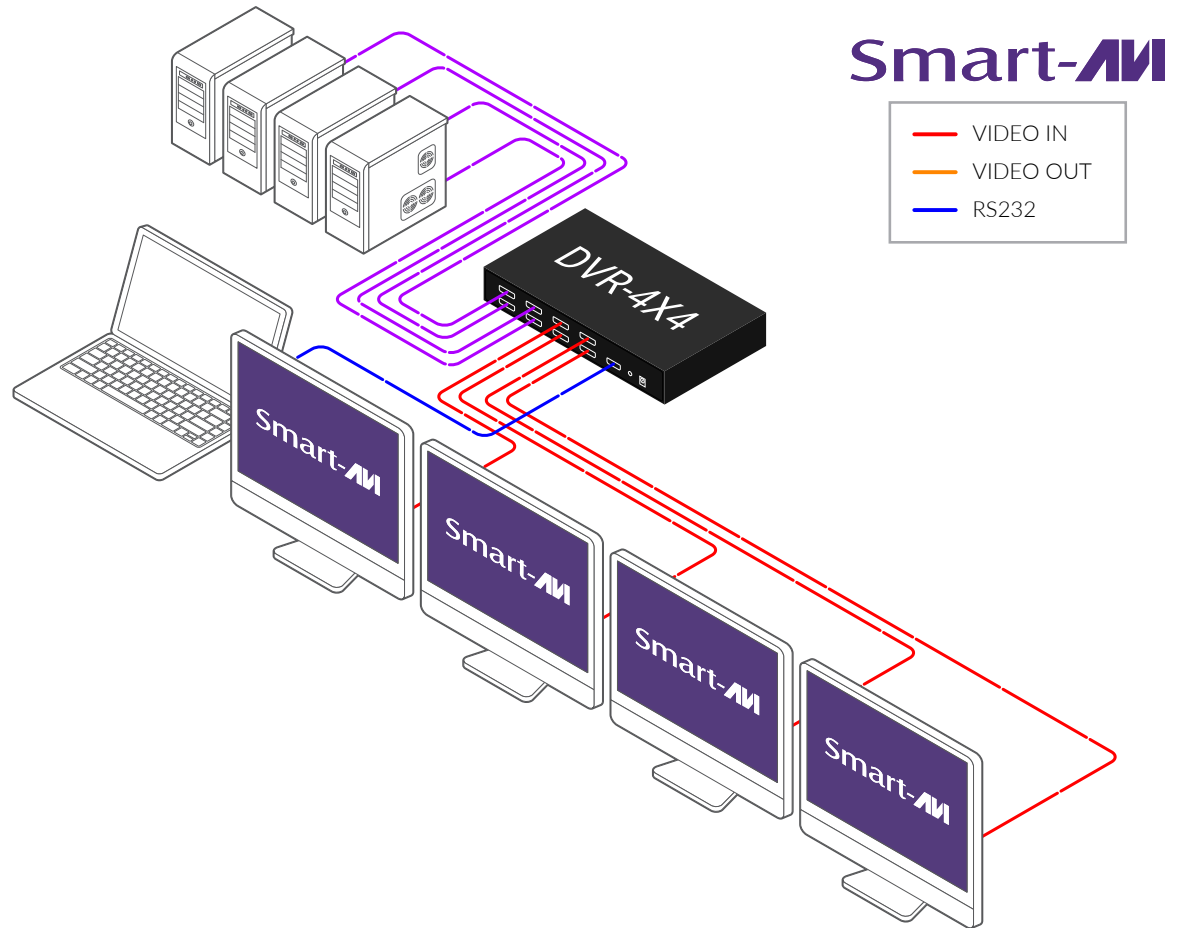
Switching Between Ports
To select an output press Output Select.
The green LEDs will change to indicate the selected output. Then press Input Select and the LED number will change to reflect the selected input. A few seconds later
the selected input or source will display on the selected output or display.

HARDWARE INSTALLATION

1. Power off the computers and displays.
2. Connect the DVI video cables from the computers to the DVI-D inputs on the rear of the DVR-4X4.
3. Connect the DVI displays to the DVI-D outputs on the rear of the DVR-4X4.
4. Optionally connect a computer to the RS-232 port on the DVR-4X4 for additional remote control.
5. Power on the DVR-4X4.
6. Power on the computers and displays. If the monitors don't display correctly see DDC Learning.

——	VIDEO IN
——	VIDEO OUT
——	RS232

Front panel

Back panel