Switching Between Ports

Whether switching manually, via RS-232 or by IR remote, selecting active ports on the DVNET-8P is a simple operation. Naturally, the Up/Down buttons on the front of the unit can be used to switch between active ports.

When using an RS-232 cable, simply use a male-to-female cord and plug it directly into the DVNET-8P's RS-232 port to control switching using a standard "//M" command prompt (i.e. to select Port 1, send "//M1 [ENTER]"; to select Port 2, send "//M2 [ENTER]") from Hyperterminal (or a Hyper-terminal emulator if you're using a Mac). The RS-232 settings must be programmed to 9600bps, 8, N, 1. You can program the connection description of the RS-232 via Hyperterminal as well.

For IR switching and control (optional accessory), simply connect the eye to the DVNET-8P box and the unit will auto-detect that an infrared remote is being used. Once the connection is made, you may use the IR remote to cycle through the ports and control the DVNET-8P box.

Notice

Technical Specifications

Video
DVI-D, DVI-single link: 1920 x 1200 at 60 Hz
Bandwidth 1.65G
connectors, DVI-D Female x 9
Internal DDC Learning

USB
USB, 1.0, 1.1 and 2.0
internal 2.0 Hub
Connectors inputs 8 USB type B
output 2 USB type A

Audio
Audio Frequency Response 20 Hz to 20 kHz
Audio Impedance 600 ohm
Audio Nominal Level 0 - 1.0V
Common Mode Rejection 60 dB
connectors 3.5mm Audio JACKx9

Control
Front Panel with Seven Segment and 2 tact switch
RS232 Via Software ,9600bps
IR, Via Remote Control with IR-Eye Type 3

Power Supply
External switching: 100–240 VAC/5 VDC 3A
Power Consumption 15W
Temperature Operating: 32 to 131 F (0 to 55 C)
Storage: -4 to 185 F (-20 to 85 C)
Humidity: up to 95%
* NO KEYBOARD OR MOUSE EMULATION

Dimensions: 11.125" W x 6.00"L x 2.625" H
Weight : 1lb-12oz
Power — External: 100–240 VAC/5 VDC 6A

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Burbank, California 91504
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m_DVNET-8P-011410

Smart-AVI
Smart Audio Video Integration

User Manual

DVNet-8P

Share a DVI-D Monitor, USB 2.0, 1.1 or 1 Devices, Stereo Audio Components Between 8 Computers for Increased Productivity and Network Flexibility

The DVNET-8P Cross-Platform Switch Makes it Possible to Easily Share a DVI-D Monitor, Stereo Audio or USB Devices Seamlessly Between 8 Macs or PCs

www.smartavi.com

Introduction

The DVNet-8P switch allows you to use a single PC to display identical images on multiple monitors.

DVNet switch is ideal for:

- Test bench facilities
- Data Center
- Help Desks

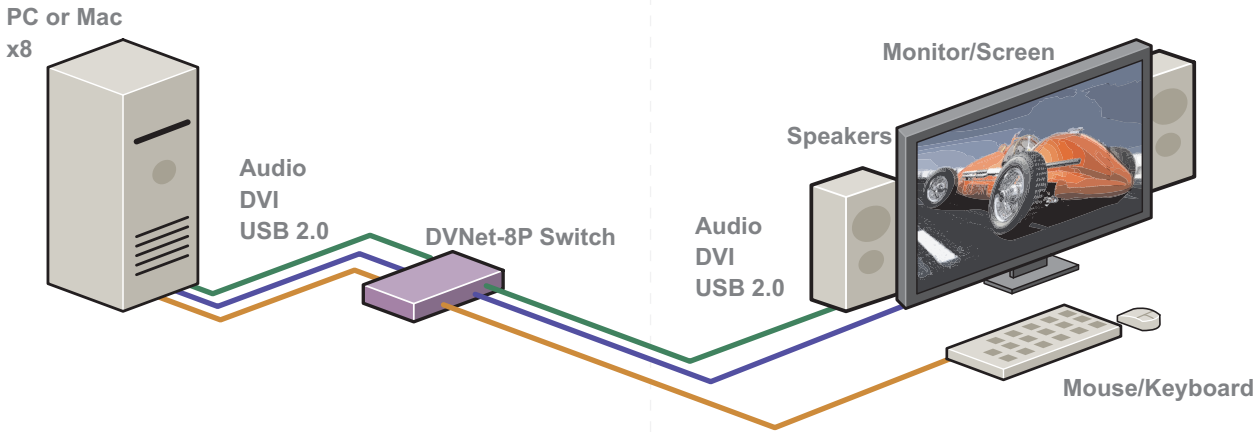
Features

- Supports PC and Mac DVI-D Signals
- Resolutions up to 1920 x 1200
- Zero Pixel Loss
- DDC for PC, Mac
- Can Learn any DDC from any DVI Screen
- Maintains Highest Quality DVI Single Link Resolution
- Supports Windows®, Mac, Linux and Sun Platforms
- DVI Output Regenerates TMDS Digital Video
- Output Capable of Driving Cable up to 25 Feet
- Full DVI, Audio and USB 2.0 Switching
- USB Transparent
- Supports all USB devices 1.0, 1.1 and 2.0
- USB Output Regenerates with USB Hub
- Front Panel Switch for Computer Selection
- Select Computer via RS-232 Command
- Select Computer via IR Remote Control
- External Power Supply
- Reduces Space Requirements
- Provides Noiseless Operation at Remote Station
- Allows Placement of CPUs Away from Harsh Work Environments
- USB 2-Port Switch for Sharing Devices
- USB 1 and 2 Compliant
- Driver-Free, Plug-and-Play Hardware

Package Contents

- 1 DVNet-8P 8Port DVI switch
- 1 User Manual
- 1 Power Adapter 5VDC 3A

Installation Diagram



Installation

Connecting the Computers

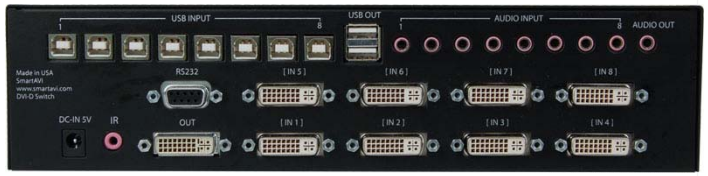
1. Use DVI-D male-to-male cable to connect all PCs.
2. Use a USB A-B cable to connect all PCs at the USB port.
2. Use an audio cable to connect all PCs at the audio port.

Connecting Devices

1. Connect the monitor to the DVNET-8P out port.
2. Connect the speakers to the DVNET-8P out port.
3. Connect the USB devices to the DVNeT-8P
4. If more than two USB devices need to be connected, use USB hub.

Connect the power supply.

Your switch is ready for use!



Programming the DVNET-8P

There are two buttons on the front of the DVNET-8P unit that will assist you in programming the box's DDC tables as well as switching between active ports. There are three methods to programming/switching between ports on the DVNET-8P: manually, via RS-232 or by an optional infrared remote control connection.

DDC Learning

The DVNET-8P is fully capable of "learning" and remembering what type of display monitor is connected to the unit. Programming the DDC (Display Data Channel) is quick and simple, using the two buttons located on the front of the DVNET-8P box.

To enter Learning Mode, simply depress both buttons at once until the display reads "L". By then pressing the Down/Left button, you may cycle through the DDC learning modes.

"P" indicates Personal Computer and automatically selects the display characteristics of an Acer 241, which typically works well for any PC/monitor combination connected to the DVNET-8P.

"A" indicates Apple and will switch the unit into the best display mode to accommodate a Mac that is connected to the unit.

"S" takes the DVNET-8P into Screen mode, and replicates whatever type of device is connected to Port 1 of the box.