



KVMA switch to share Video and USB between multiple sources

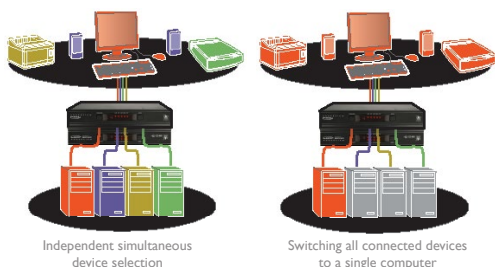
ADDERView™ 4PRO-DVI

Ultimate flexibility for sharing high-res screens and USB peripherals

PRODUCT IN BRIEF

The ADDERView™ 4PRO is designed to enable four computers to be controlled from a single high resolution KVM console using either Dual Link DVI or high definition analogue video links. The switch makes use of Adder's True Emulation technology which enables USB HID devices to be continuously emulated to each computer. This unique technology enables instantaneous and reliable hotkey switching whilst also supporting the extra keys and features of enhanced keyboards and mice.

Furthermore, the AV4PRO-DVI includes two independently switchable USB2.0 channels and an audio channel, giving the user the flexibility to attach selected peripherals to different computers.



Examples of switching flexibility on the AV4PRO-DVI. Diagrams show the switching of connected devices across all connected computers and the selection of all connected devices to a single computer.

FEATURES

Dual Link DVI-I with extended profile DDC EDID

The ADDERView 4PRO-DVI features full Dual Link DVI video delivering 4 megapixel resolutions at 60Hz. Because the AV4PRO features DVI-I, you can also use a choice of digital or analogue sources. The extended DDC EDID profile ensures that the switched graphics card is always optimised to work with your screen. The dual link DVI capabilities enable users to work at very high resolutions including 2K (2048 x 1080) and 4K (4096 x 2160) for film production or WQXGA (2560x1600) for detailed medical imaging.

True Emulation USB2.0 technology

The AV4PRO-DVI belongs to the first KVMA range of switches to feature Adder's advanced True Emulation USB technology. Emulated USB provides an instantaneous and reliable switching action and makes keyboard hotkey and mouse switching possible. However, previous implementations have used only generic emulations and consequently have only been able to support the most basic keyboard and mouse features. Adder's revolutionary True Emulation USB technology overcomes this frustrating limitation by emulating the true character of the connected devices to all the computers simultaneously. This means that you can now use the extra function keys, wheels, buttons and controls that are commonly found on modern keyboards and mice.

Independent simultaneous device selection
Flexibility is key to the AV4PRO-DVI.

The switch enables you to use the KVMA console to work on one computer whilst your USB peripherals are connected to other computers and your speakers are playing music from yet another. You can of course still switch all connected devices to any one of the connected computers as with any other KVM switch.

Channel selection options

The AV4PRO-DVI can be switched using selectable keyboard hotkeys, 3 button mice or the front panel controls. Optionally, you can also use the Adder RC4 remote switch to make your selection. These switching options allow you to rapidly reassign connected devices to any of the connected computers.

Broad USB 2.0 Hi Speed device support

A vast range of USB devices can be connected to the AV4PRO-DVI from non standard human interface devices to printers and scanners, this gives great flexibility. For example, you could be scanning a set of documents onto one computer whilst working on another and printing from yet another, all at the same time. The USB2.0 switching action has been carefully engineered to ensure maximum computer reliability when connecting and disconnecting USB devices.

Options port for control, synchronisation and upgrade

An 'Options' port enables the AV4PRO-DVI to be remotely switched using simple ASCII codes. When the channel is switched, the same ASCII codes

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FEATURES continued...

are echoed to the 'Options' port and so, by linking 'Options' ports, two or more units can be switched in synchrony to create a multi video head switching system. The port enables a 4 button switch unit (Adder RC4) to be used with the AV4PRO. The same port can also be used to upgrade the firmware to guarantee that your hardware investment continues to deliver real value well into the future.

RELATED PRODUCTS

Adder offer a vast range of products to suit your needs. Other products you may be interested in include:

ADDERView PRO
AV8PRO-DVI



ADDERView PRO MS
AV4PRO-DVI-DUAL;
AV4PRO-DVI-TRIPLE;
AV4PRO-DVI-QUAD



ADDERView Secure
AVS2007; AVS4007



ADDER CCS-PRO4
CCS-PRO4



ADDERView 4PRO
DisplayPort™
AV4PRO-DP



TECHNICAL SPECIFICATIONS

Hardware compatibility

Supports PC, RS/6000, Alpha, SGI, Sun and Apple with USB keyboard and mouse, and VGA or DVI video interfaces

Software compatibility

Operates with all known software and operating systems including Windows (all), DOS, Linux, Unix, BSD, all Sun OS, all Mac OS, NetWare etc.

Computer connections at switch

USB2.0 type B, dual link DVI-I, 3.5mm stereo jack

Local KVM console connection:

- Video: dual link DVI-I
- Keyboard/Mouse: 2 x USB type A
- Switched USB: 2 x USB2.0 type A
- USB True Emulation: Emulates keyboard and mouse on each port. Low speed HID USB2.0 devices supported
- Audio: 3.5mm stereo jack
- Other Connections: Options (flash upgrade, sync with other AV4PRO-DVI and RS232 triggered power switches); Modular IOPIOC

Physical design

1U high metal case 233mm (w), 115mm (d), 44mm (h)

Power

2.5mm DC jack (power adapter included), 100-240VAC 50/60Hz input to power adapter, 5VDC 2A output from power adapter

Operating temperature

0 to 40°C / 32 to 104°F

Approvals

CE, FCC

ORDERING INFORMATION

AV4PRO-DVI-XX: AV4PRO 4 port switch

XX	= Mains Lead Country Code:
UK	= United Kingdom
US	= United States
EURO	= Europe
AUS	= Australia
CN	= China

ADDITIONAL ACCESSORIES

RMK3: Rack mount kit

VSA11: DVI to VGA adaptor

VSCD1: Single link DVI-D to DVI-D Video cable

VSC22: Audio cable 2m / 6ft

VSCD3 (2m / 6ft); VSCD4 (5m / 16ft): Combined Dual Link DVI-D & USB cable

VSC40: Flash upgrade adapter plus standard 3m / 9ft patch lead

RC4-8P8C: RC4 remote control plus standard 3m / 9ft patch cable



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