2/4-Port Video Switch

FCC Information

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna;
- Increase the separation between the equipment and receiver;
- Connect the equipment into an outlet on a circuit different from that which the receiver is connected;
- Consult the dealer or an experienced radio/television technician for help.

RoHS

This product is RoHS compliant.

SJ/T 11364-2006

The following contains information that relates to China.

部件名称	有毒有害物质或元素					
	铅	汞	镉	六价铬	多溴联苯	多溴二苯醚
电器部件	●	○	○	○	○	○
机构部件	○	○	○	○	○	○

○: 表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T 11363-2006规定的限量要求之下。

●: 表示符合欧盟的豁免条款，但该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T 11363-2006的限量要求。

×: 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T 11363-2006的限量要求。

Online Registration

You can register your product at our online support center:

- International – http://support.aten.com
- North America – http://www.aten-usa.com/product_registration

Online Support

- Online technical support is available to ATEN customers through our support center:
  - International – http://support.aten.com
  - North America – http://www.aten-usa.com/support.
- Troubleshooting, Documentation (including online manuals), and Software Updates (firmware and drivers) are available at the ATEN website:
  - International – http://www.aten.com
  - North America – http://www.aten-usa.com

Package Contents

The VS-291 / VS-491 2/4-Port Video Switch package contains the following items:

- 1 VS-291 / VS-491 2/4-Port Video Switch
- 1 DC 9V Power Adapter
- 1 User Manual*

Check to make sure that all the components are present and that nothing got damaged in shipping. If you encounter a problem, contact your dealer.

Read this manual thoroughly and follow the installation and operation procedures carefully to prevent any damage to the unit, and/or any of the devices connected to it.

---

* Features may have been added to the VS-291 / VS-491 since this manual was printed. Please visit our website to download the most up-to-date version of the manual.

Overview

The VS-291 / VS-491 Video Switches are control units that allow you to conveniently display the video output of two (VS-291) or four (VS-491) separate computer systems on a single monitor, thereby eliminating the unnecessary expense of purchasing a separate monitor for each computer. The units use electronic switching technology, rather than mechanical switching, for greater reliability and durability.

The VS-291 / VS-491 also saves on the space that additional monitors take up, as well as the extra power costs, and eliminates the inconvenience and wasted effort involved in constantly moving around from one computer to another.

Features

- Electronic switching for greater reliability and durability
- Display the output of two (VS-291) or four (VS-491) computers on a single monitor
- High resolution video – Up to 1920 x 1440; DDC; DDC2; DDC2B
- Supports, VGA, SVGA, XGA and Multisync Monitors
- Easy installation – No software required – No configuration necessary
- Computer selection via pushbutton switch

System Requirements

Monitors

- One VGA, SVGA, XGA, or Multisync compatible analog monitor, with a standard PC high-density cable with a standard HDB-15 male connector

Computers

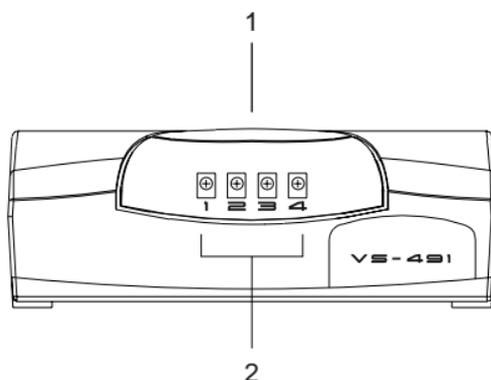The following equipment must be installed on each computer that is to be connected to the system:

- One VGA, SVGA, XGA, or Multisync analog video card with a standard HDB-15 female connector per computer

Cables

- One video cable (with an HDB-15 male connector at each end) per computer

---

Note: 1. Video extender cables require a separate purchase. UL-2919 rated cable is recommended for the best video quality

2. This product is not suitable for CGA, EGA, or Monochrome type monitors using a digital video signal.
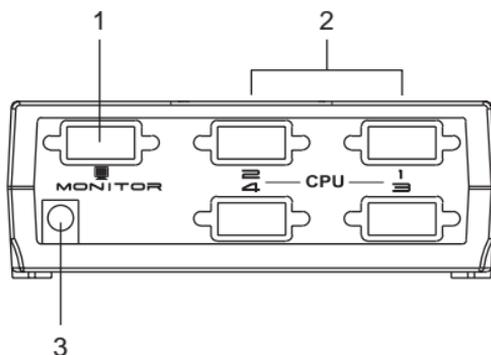

VS-491 Front View

No.	Component	Description
1	Port Selection Switch	Press this button to cycle the video focus among the computers.
1	Selected Port LEDs	The numbers correspond to the video ports on the back panel. A LED lights to indicate that its corresponding port is the one that has the video focus.

Note: The VS-291 Front View is similar to the VS-491, except that it only has two Selected Port LEDs.

VS-491 Rear View

No.	Description	Function
1	Monitor Port	The monitor cable plugs in here.
2	Video Ports	The video cables that connect to the computer video ports plug in here.
3	Power Jack	The Power Adapter cable plugs in here.

Note: The VS-291 Rear View is similar to the VS-491, except it has only two Video Ports.
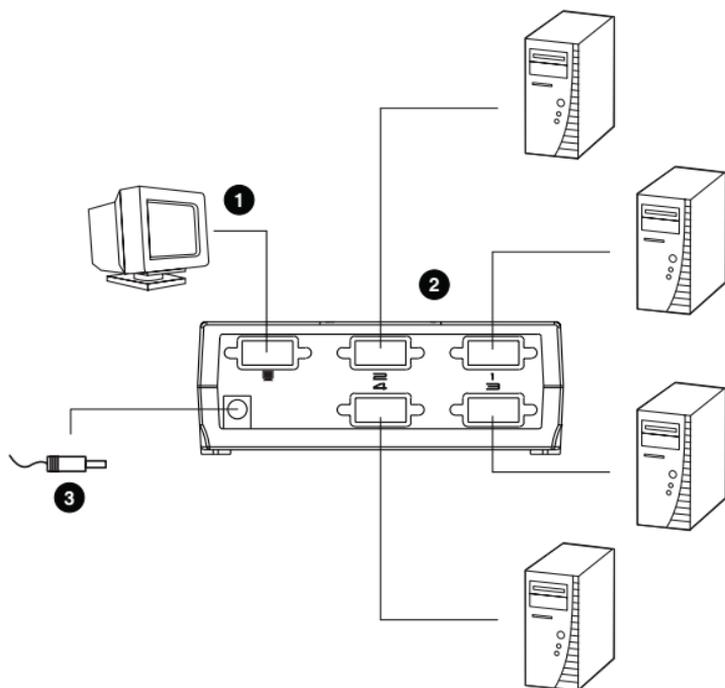
Installation

> ⚠ Make sure that all devices you will be installing are properly grounded.

Installation is simply a matter of plugging in cables. Refer to the diagrams as you follow the step-by-step directions below:

1. Plug the monitor cable into the unit's monitor port.

2. Plug one end of the video extender cable into any available video port on the unit's rear panel; plug the other end of the cable into the computer's video output port.

3. Plug the power adapter into an AC source; plug the adapter's power cable into the unit's Power Jack. Power On all equipment.

Specifications

Function		VS-291	VS-491
Connectors	Output	1 x HDB-15 Female	
	Input	2 x HDB-15 Female	4 x HDB-15 Female
	Power	1 x Power Jack	
LEDs (Selected Ports)		2	4
Port Selection		1 x Pushbutton	
Video		1920 x 1440 @ 60Hz; DDC; DDC2; DDC2B	
Cable Distance		10 m (30 ft)	
Signal Type		VGA; SVGA; XGA, Multisync	
Power Consumption		DC 9V; 0.9W (max.)	DC 9V; 1.35W (max.)
Environment	Operating Temp.	0–50ºC	
	Storage Temp.	-20–60ºC	
	Humidity	0–80% RH, Non-condensing	
Physical Properties	Housing	Plastic/Metal	
	Weight	0.22 Kg	
	Dimensions L x W x H	12.00 x 6.50 x 4.40 cm	

Limited Warranty

IN NO EVENT SHALL THE DIRECT VENDOR'S LIABILITY EXCEED THE PRICE PAID FOR THE PRODUCT FROM THE DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THE PRODUCT, DISK OR ITS DOCUMENTATION.

The direct vendor makes no warranty or representation, expressed, implied, or statutory with respect to the contents or use of this documentation, and specially disclaims its quality, performance, merchantability, or fitness for any particular purpose.

The direct vendor also reserves the right to revise or update the device or documentation without obligation to notify any individual or entity of such revisions, or update. For further inquires please contact your direct vendor.