



VS-Series Desktop Switchers

User Manual

Products covered by this manual:

VS-201	2 Camera Switcher
VS-202	2 Camera Switcher with Alarms & Remote Control
VS-401	4 Camera Switcher
VS-402	4 Camera Switcher with Alarms & Remote Control
VS-601	6 Camera Switcher
VS-602	6 Camera Switcher with Alarms & Remote Control
VS-801	8 Camera Switcher with Dual Monitor Outputs
VS-802	8 Camera Switcher with Dual Monitor Outputs, Alarms & Remote Control

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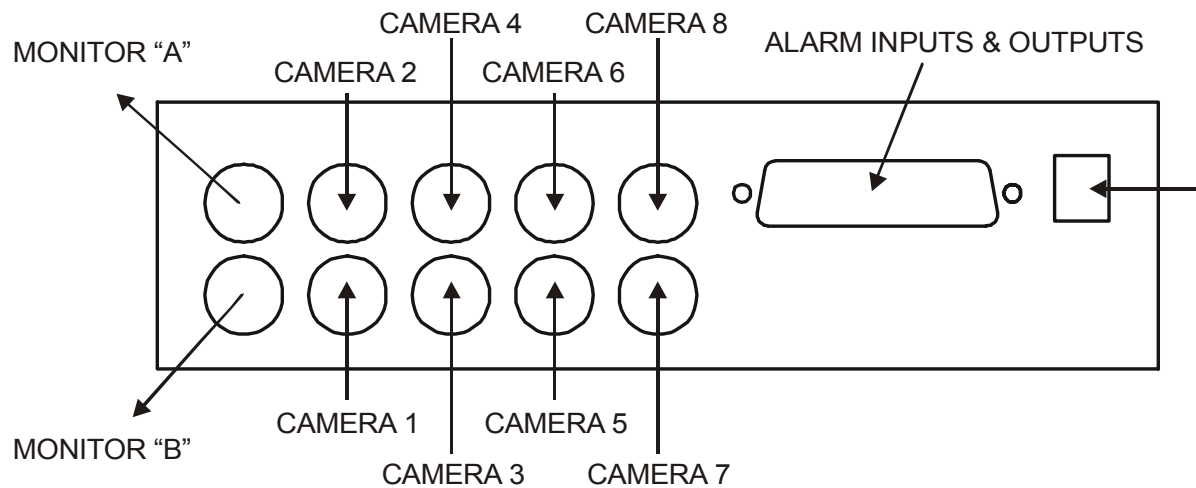
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1 Installation

1.1 Connecting Up

Connect cameras and monitor(s) to the BNC connectors as shown below. This diagram shows a VS-800 Series switcher. Note that on other models some of the connectors are absent.

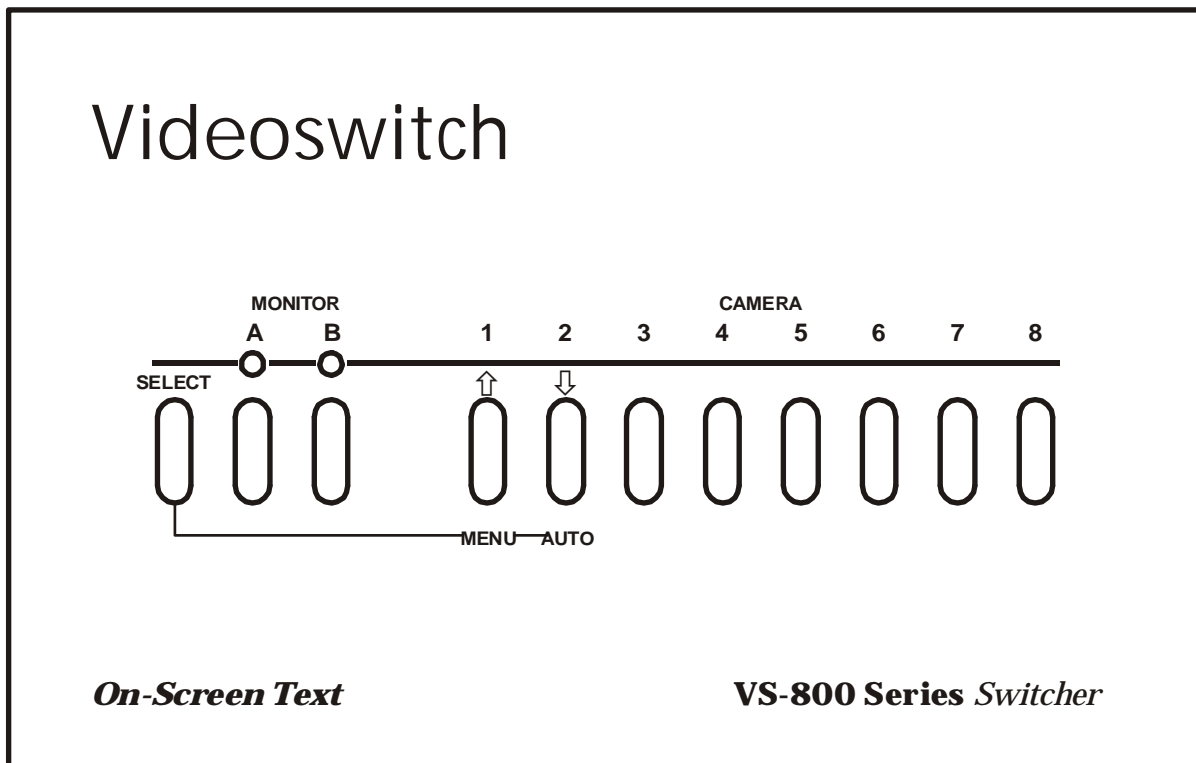


1.2 Termination

If any camera inputs need to be un-terminated, remove the switcher's base and carefully cut out the 75W resistors R1 to R8 as required (Resistors R1, R2... relate to Camera1, Camera2...). Power must be off.

2 Operation

This diagram shows a VS-800 Series switcher. Note that some keys have dual functions and on other models some of the keys are absent.



2.1 Power-Up

Plug the flying lead of mains power adaptor into the “+12V DC” power input connector. Plug the adaptor itself into the mains supply.

2.2 Manual Switching

To select camera 1,2..., press the associated camera key 1,2...

2.3 Auto Sequencing

While holding down the SELECT key, press the AUTO (Camera 2) key. This will toggle AUTO sequencing mode on or off.

2.4 Dual Monitor Switchers

In the case of dual monitor switchers (VS-800 Series), make sure that the desired monitor (A or B) is selected prior to manual switching or auto sequencing. The monitor LED that is illuminated indicates the monitor that the camera select keys act upon.

2.5 Restore Factory Defaults

The factory defaults may be restored by pressing the SELECT key while turning on the power, and keeping it pressed for 10 seconds.

2.6 Reset Camera Titles

If the SELECT key is kept on for another 10 seconds following restoration of factory defaults, all the camera titles will be reset to “Camera 1”, “Camera 2” etc.

3 Configuration Menu

To enter or exit the menu, hold down the **SELECT** key and then press the **MENU** (Camera 1) key.

To use the menu, press the ▲ and ▼ keys to move the pointer to the required item and then press the **SELECT** key. Press the ▲ and ▼ and **SELECT** to modify settings as required. The menu options are:-

3.1 ◀ Back

Press **SELECT** on this item to exit from menu.

3.2 Auto Sequence List (Monitor A or B)

Choose which cameras will be included when auto-sequencing

3.3 Auto Sequence Time (Monitor A or B)

Specify the time in seconds for which each camera will be displayed.

3.4 Auto Sequence Mode (Monitor A or B)

Select either Sequential or Random sequencing mode.

3.5 Alarm Hold Time

Set the time in seconds for which each camera will be displayed following a new alarm.

3.6 Alarm Sequence Time

Set the time in seconds for which each alarmed camera will be displayed when multiple alarms are present.

3.7 Restore Camera after Alarm

Specify whether you want the camera prior to an alarm to be displayed again, or whether to display the last alarmed camera.

3.8 Relay Hold Time

Set the time in seconds for which the relay will stay activated after all alarms have cleared.

3.9 Alarms Normally Open or Closed

Specify the sense of each alarm input. Unused inputs must be set to normally open.

3.10 Text Mode

Choose the appearance of the on-screen text (does not affect menu).

3.11 Camera Titles

Set 16 characters of text for each camera.

3.12 Screen Title

Set 16 characters of text for the screen heading.

3.13 Power Up States

Specify whether the switcher will auto-sequence following power-up.

3.14 Remote Control Address

This is used when switcher is controlled by a keyboard or computer.

4 Alarms & Remote Control

4.1 Alarms

If alarms are required, the normally open or normally closed contacts of PIR or other detectors are connected to the alarm connector as shown below. The default configuration is for normally open.

4.2 RS485 Remote Control

If RS485 remote control is required, the RS485 "A" and "B" signals connect as shown. Also connect TERM to RS485 "B" to terminate.

4.3 RS232 Remote Control

If RS232 remote control is required, connect the transmit data (TXD) to the RS485 "B" pin and connect the RS485 "A" pin to GROUND.

