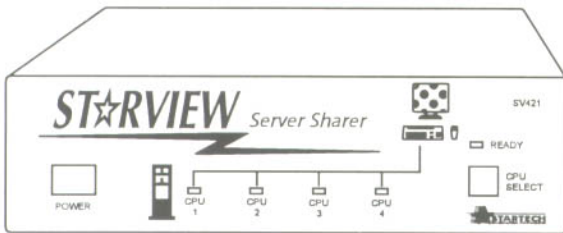


STARVIEW

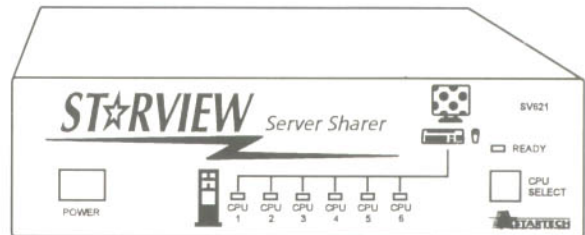
User Manual

Introduction:

The StarView is a powerful server management tool that allows multiple PC's or servers to be controlled from one keyboard, monitor and mouse. The StarView is capable of reducing costs by eliminating redundant peripherals as well as saving space and reducing equipment clutter. It is useful for file servers, communications servers, system burn-in labs, BBS systems, and many other applications.



SV421 Front View



SV621 Front View



SV122 Front View



SV102 Front View

Features:

- Supports VGA, Super VGA, and Multisync monitors of up to 100 MHz bandwidth.
- CPUs can be selected either from the keyboard or from the unit front panel.
- Keyboard Caps Lock, Num Lock, Scroll Lock states are remembered for each individual CPU.
- Scan mode automatically switches through all active CPUs. Scan rate is DIP switch selectable.
- Previous/Next mode lets the user scan through active CPUs using the right and left shift keys to go forward and back respectively.
- All units are cascadable with any model.
- Optional rackmount bracket available for the SV421 and SV621 models.
- Small space saving design for location almost anywhere.

Cables Required:

Model:	StarView to PS/2 console	StarView to AT console	StarView to PS/2 CPU	StarView to AT CPU	StarView to StarView
SV621	GC56MF for keyboard Monitor plugs in direct Mouse is not supported	Keyboard, monitor, and mouse plug in directly	MXT101, MXT100, KXT102MM+ GC56MF	MXT101, MXT100, KXT101MM	MXT101, MXT100, KXT101MM
SV421	Keyboard, monitor, and mouse plug in directly	Keyboard, monitor, and mouse plug in directly	MXT101, 2 - KXT102MM	MXT101, MXT100, KXT101MM	MXT101, MXT100 and/or KXT102MM, KXT101MM
SV122	Keyboard, monitor, and mouse plug in directly	Monitor, and mouse plug in directly. GC56FM for Keybd.	MXT101, 2 - KXT102MM	MXT101, MXT100, KXT102MM+ GC56MF	MXT101, MXT100 and/or KXT102MM, KXT102MM
SV102	Use SV122 instead	Keyboard, monitor, and mouse plug in directly	Use SV122 instead	MXT101, MXT100, KXT101MM	MXT101, MXT100, KXT101MM

Warning: StarTech cables are strongly recommended as they meet the specific requirements of the StarView product.

Installation and Configuration:

The StarView has the ability to be cascaded to up to three levels. The number of levels you use depends on the number of PC's you wish to control and the StarView models in use. The following describes a configuration of purely SV621's: One level requires only one StarView unit and is capable of controlling 6 PC's. Two levels requires anywhere from 2 to 7 StarView units and is capable of controlling up to 36 PC's. Three levels requires 8 to 43 StarView units and is capable of controlling up to the maximum configuration of 216 PC's.

Single Level Setup:

This requires only one StarView unit.

- 1) Set DIP switch number 4 to ON.
- 2) Connect the the keyboard, monitor and mouse to the leftmost or shaded connector set on the back of the StarView.
- 3) Connect the keyboard, monitor, and mouse ports of the PC's to the StarView using the proper cables*. The SV421 can be operated from either the PS/2 or AT/Serial connectors. Mixed configurations of PS/2 type and clone computers can be connected.
- 4) Plug the power adapter into a surge protector and connect the other end to the power port on the StarView.
- 5) Turn on the the StarView and your systems.

* See required cables chart above



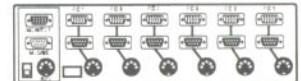
SV102 Rear View



SV122 Rear View
(PS/2 Mouse ports on left side)



SV421 Rear View



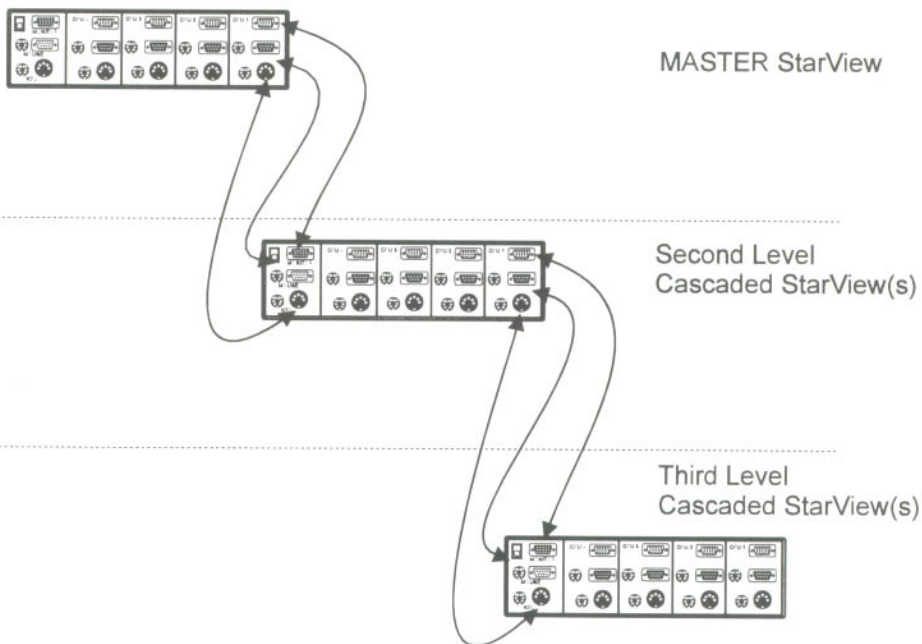
SV621 Rear View

Cascading the StarView to a Two or Three Level Setup:

This requires two or more StarView units.

- 1) Set DIP switch number 4 to ON on the MASTER StarView unit and to OFF on all other units. The MASTER unit is the unit to which your monitor, keyboard, and mouse is directly connected.
- 2) Connect the the keyboard, monitor and mouse to the leftmost or shaded connector set on the back of the MASTER StarView.
- 3) Connect the leftmost or shaded keyboard, monitor, and mouse ports of all the second level StarViews to the MASTER unit using the proper cables*. Third level StarViews should then be connected to second level units in the same manner. Second and third level SV421s must be cascaded using the 5 DIN keyboard ports.
- 4) Connect the keyboard, monitor, and mouse ports of the CPUs to the the second or third level StarViews using the proper cables*. CPUs can also be connected to unused ports of the MASTER StarView as well. Mixed configurations of PS/2 type and clone computers can be connected to the SV421and SV122.
- 5) Plug the power adapters into a surge protectors and connect them to the power ports on the StarView units.
- 6) Turn on the the StarView and your systems.

* See required cables chart on the previous page.



Operation:



The StarView can operate in 3 distinct modes of operation: Manual mode, Scan mode, and Previous/Next mode. Manual mode is the default mode of operation for the StarView. The unit allows you to control any connected CPU as if your keyboard, monitor, and mouse were directly attached to it.

Manual Mode Operation:

1) Using the front panel button:

To select a CPU using the front panel button, you must press the button repetitively until the CPU LED is lit on the CPU you wish to control. If you have cascaded StarViews, you will have to select the cascade port on the MASTER unit, then press the button on the second level StarView until the proper CPU is selected.

2) Using the keyboard to switch CPUs:

To select a CPU using the console keyboard, there is a special HOT-KEY sequence that must be followed. This is as follows:

- 1) Press the **Alt**, **Ctrl**, and **Shift** keys simultaneously.
- 2) Release them all.
- 3) Press the corresponding port number for the CPU you wish to select. ie. 4
- 4) Release the number key.
- 5) Press and release the **Enter** key. The StarView should beep once as it switches to that CPU.

To select a second or third level CPU in a cascaded setup, you must enter two or three digits in step 3, one for the MASTER StarView, and one for each of the second and third level StarViews.

Example 1 - A two level setup: Alt Ctrl Shift 1 3 Enter, would select the 3rd CPU on the second level StarView cascaded from port 1 of the MASTER unit.

Example 2 - A three level setup: Alt Ctrl Shift 1 3 2 Enter, would select the 2nd CPU on the third level StarView cascaded from port 3 of the second level StarView that is connected to port 1 of the master unit.

Scan Mode Operation:

Scan mode scans through all CPUs one by one and displays the video for a period of time set using the DIP switches on the back of the unit.

To start scan mode, follow the HOT-KEY sequence outlined above, using the number 0 in step 3.

To stop scan mode, hit the spacebar.

DIP Switch Number				Function
1	2	3	4	Scan Time
On	On			3 seconds
Off	On			10 seconds
On	Off			20 seconds
Off	Off			40 seconds

Note: DIP switch 3 is unused

Previous/ Next Mode Operation:

Previous/Next mode is similar to scan mode, only the user controls the rate and direction of the scan using the left and right keyboard shift keys. To activate it, use the HOT-KEY sequence substituting the number 9 for the CPU number. The *left* Shift key selects the previous CPU. The right Shift key selects the next CPU. To stop previous/next mode, hit the spacebar.