

Personal
STARVIEW
Server Sharer



User's Manual

SV200



StarTech
COMPUTER PRODUCTS LTD.
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PACKING LIST

- **SV200- User's Manual**
- **Keyboard Adapter**
- **Mouse Adapter**

Please read this manual thoroughly and follow the installation procedures to prevent any damage to the SV200 and or the connecting devices.

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Overview

The SV200 StarView CPU Switch is a control unit that allows access to two PC systems from a single console (keyboard, mouse, and monitor). With the StarView SV200, you can easily access two computers in a cost effective manner.

The StarView SV200 provides two convenient methods to access the PCs connected to the system: using the push button Selection switch located on the unit's top panel; and entering Hot Key combinations from the keyboard. Setup is fast and easy; plugging cables into their appropriate ports is all that is entailed. There is no software to configure, no installation routines, and no incompatibility problems. Since the StarView SV200 intercepts keyboard input directly, it works on any hardware platform and with all operating systems.

There is no better way to save time and money than with a StarView SV200 installation. By allowing a single console to manage both of the attached PCs, the StarView SV200 eliminates the expense of purchasing a separate keyboard, monitor, and mouse for each PC. Additionally, it saves all the extra space they would take up, and eliminates the inconvenience and wasted effort involved in constantly having to move from one PC to the other.

Features

- Supports Microsoft IntelliMouse, Logitech MouseMan+, FirstMouse+ and IBM Scroll Point Mouse
- Full Mouse Conversion Technology: One PS/2 mouse controls both Serial and PS/2 based PCs
- Keyboard and Mouse Emulation for Error Free PC booting.
- Caps Lock, Num Lock, and Scroll Lock States are Saved and Restored When Switching
- Supports 1920 x 1440 Resolution
- Easy to Install - No Software Required - Standard Cables to Connect to the PCs Is All It Takes
- Easy To Operate - PC Selection Via Push Button Switch or Hot Keys - Auto Scan Function to Monitor PC Operation

- Compatible With All Operating Platforms
- LED Display For Easy Status Monitoring
- Saves Time, Space, Power and Equipment Costs
- Non-powered

Hardware Requirements

Console

- One VGA, SVGA, or Multisync monitor capable of the highest resolution that you will be using on any PC in the installation
- One PS/2 mouse
- One PS/2 style keyboard or AT style keyboard plus keyboard adapter

PC

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

- A VGA, SVGA or Multisync card.
- A 6-pin mini-DIN (PS/2 style), or DB-9 (standard serial), mouse port.
- A 6-pin mini-DIN (PS/2 Style) keyboard port with +5V DC on pin 4 and Ground on pin 3, or a 5-pin DIN (AT Style) keyboard port with +5V DC on pin 5 and ground on pin 4. *

* See the note under Cables in the next section.

Cables

Although it is possible to use standard extender cables to connect the PCs to the StarView SV200, for optimum signal integrity and to simplify the layout, we strongly recommend that you use high quality StarTech Cables (2 - KXT101MMs and an MXT101HQ).

Unpacking

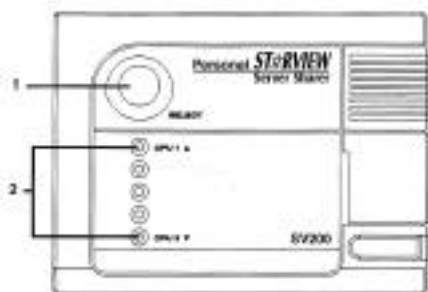
The complete StarView SV200 package consists of:

- One StarView CPU Switch SV200
- One User Manual
- One 6 pin MiniDIN to DB9 PS/2 to Serial adapter for use if one of the PCs have a serial mouse port.
- One 6 pin MiniDIN to 5 pin DIN adapter for use if one of the PCs has a AT keyboard port

Note: The wiring of these adapters is custom to the StarView and should never be used for any other application.

Check to make sure that the unit was not damaged in shipping. If you discover a problem, contact your dealer. Read the manual thoroughly, and follow the installation and operation procedures carefully in order to prevent any damage to the unit and/or any devices it connects to.

Top View:



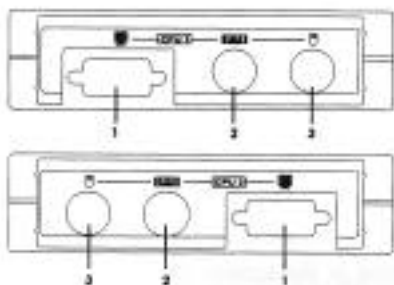
1. Port Selection Button

Pressing the Selection Button switches access back and forth between the PCs. The Selected LED lights to indicate which port is the active one.

2. Selected LEDs:

Lights to indicate the currently selected port. Depending on the port's status, the LED may flash according to a specific pattern (see the table in the Appendix for details).

CPU Port View:

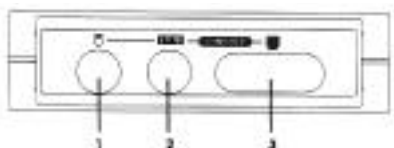


1. PS/2 Style Mouse Connector

2. PS/2 Style Keyboard Connector

3. Video Connector

Console View:



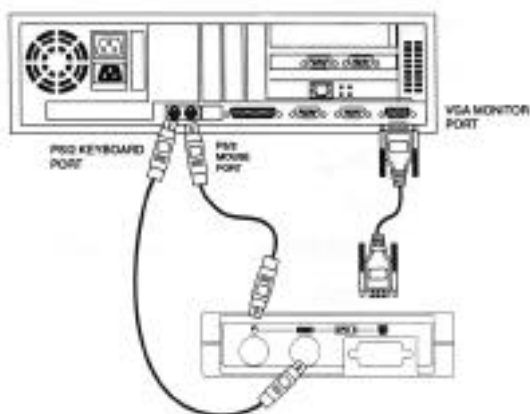
1. Monitor Connector

2. PS/2 Style Mouse Connector

3. PS/2 Style Keyboard Connector

Installation

Before you begin, make sure that power to all the devices (StarView SV200 and both PCs) you will be connecting up have been turned off.



1. Plug the monitor, keyboard, and mouse into the Console port connectors of the StarView SV200 unit.
2. Use StarTech, high quality extender cables (2 - KXT101MMs and an MXT101HQ), to connect the monitor, keyboard and mouse ports of the PCs to the StarView SV200 CPU Ports. If you need to use the supplied adapters, they must be installed on the PC end of the connecting cable.
3. Turn on the power to the connected PCs.

Operation

Controlling both PCs in your StarView SV200 installation from a single console could not be easier. Two port selection methods that provide instant access to either PC are available:

- Manual Port Selection
- Hot Key Port Selection

Note: The SV200's Power On default is to link to Port 1. If the PC attached to Port 1 is inactive, the monitor will be blank so it may appear as if the unit is not functioning. This is not the case. Simply use one of the Port Selection methods (described below), to switch to the active PC on Port 2.

Manual Port Selection

With Manual Port Selection you simply press the Port Selection button on the StarView's top panel to switch back and forth between computers. The Selected LED on the top panel lights to indicate which port is active.

Hot Key Port Selection

Hot Key navigation allows you to select the active PC directly from the keyboard, instead of having to manually select it by pressing the Port Selection button. The StarView SV200 provides several Hot Key navigation features:

- Selecting the Active Port;
- Auto Scan Mode.
- Last/Next Mode

Note: All Hot Key operations begin by pressing and releasing the Alt+Ctrl+Shift combination. The combination must all be on the same side (i.e., LeftAlt+LeftCtrl+LeftShift or RightAlt+RightCtrl+RightShift).

Selecting the Active Port:

Each CPU port is assigned a numeric ID (CPU1 or CPU2). You access the PC attached to a port by specifying the Port ID as part of the Hot Key combination as follows:

1. Press and release Alt+Ctrl+Shift
2. Key in the appropriate Port ID (1 or 2)
3. Press [Enter]

Auto Scan Mode:

The StarView SV200's Auto Scan feature automatically switches between the two PCs at regular intervals so that you can monitor their activity without having to take the trouble of switching yourself. To invoke Auto Scan Mode, key in the following Hot Key combination:

1. Press and release Alt+Ctrl+Shift
2. Press and release 0 (zero)
3. Press [Enter]

Once scanning begins, it continues until you press the [Spacebar] to exit Auto Scan Mode. The port that was currently active at the time scanning stopped remains active.

Note: While Auto Scan Mode is in effect, none of the other keyboard keys will function. You must exit Auto Scan Mode by pressing the [Spacebar] in order to use the console for anything else.

Last/Next Mode:

The Last/Next feature is provided to enable you to quickly switch back and forth between computers in order to monitor them manually, instead of using Auto Scan Mode. This method lets you dwell on a particular port for as long or as little as you like - as opposed to Auto Scan Mode, which switches after a fixed interval. To invoke Last/Next Mode, key in the following Hot Key combination:

1. Press and release Alt+Ctrl+Shift
2. Press and release 9
3. Press [Enter]

Once Last/Next Mode is active pressing the left Shift key (LShift), switches to the previous computer (from the currently active one); pressing RShift switches to the next computer in the installation.

Note: While Last/Next Mode is in effect, none of the other keyboard keys will function. You must exit Last/Next Mode by pressing the [Spacebar] in order to use the console for anything else.

Appendix

SELECTED LED Display:

Activity	Meaning
Off	Port is not selected
On Steady	Port is connected to the selected active PC
Flashing on and off equal	Port is connected to an active PC and is being accessed in Auto Scan mode
Flashing on long and off short	Port is connected to an active PC and is being accessed in Last/Next mode

Troubleshooting

Symptom	Cause	Action
Keyboard is not responding	Keyboard needs to be reset	Unplug the keyboard from the StarView and plug it back in.
	StarView needs to be reset	Turn off the PCs. Wait for 5 seconds then turn them back on.
	StarView is in autoscan or last/next mode	Press the spacebar to exit the mode.
Mouse is not responding	Mouse needs to be reset	Unplug the mouse from the StarView and plug it back in.
	StarView needs to be reset	Turn off the PCs. Wait for 5 seconds then turn them back on.
	Mouse uses unsupported mode	The StarView does not support some special mice that have extra functions (like 4 buttons). If the problem persists, try a standard mouse and a standard mouse driver for your OS.
Video Problems	Resolution set too high	Although the Personal StarView supports very high resolution, there is a limit. Select a lower resolution
	Cable quality not good enough	We strongly recommend the StarTech 3-in-1 cable or the MXT101HQ series video cables. They use coaxial wire to maintain the high bandwidth.

Note: If you are experiencing problems, first make sure that there are no problems with the cables, and that they are all properly connected.

* The StarView SV200 is designed to work with AT and PS/2 keyboards. Older XT (84 key) and some older AT keyboards (those with the function keys on the side), will not work.

** Some Notebook computers, notably the IBM Thinkpad and Toshiba Tecra, have trouble working with the StarView SV200 when their mouse and keyboard ports are used simultaneously. To avoid this problem, only connect the mouse port or the keyboard port to the StarView unit. If you connect the mouse port, you will need to use the notebook's keyboard when you switch to make the notebook the active computer.

Specifications

Power Consumption		DC 5V 20mA
PC connections		2
Port selection		Pushbutton, Hotkeys
LEDs	Selected	2
Connectors	Keyboard	1 x 6 pin MiniDIN female (PS/2) - Console 2 x 6 pin MiniDIN female (PS/2) - CPU
	Mouse	1 x 6 pin miniDIN female (PS/2) - Console 2 x 6 pin MiniDIN female (PS/2) - CPU
	Video	1 x HDBB15 pin female (SVGA) - Console 2 x HDBB15 pin male (SVGA) - CPU
Operating Temperature		5 - 40°C
Storage Temperature		-20 - 60°C
Humidity		0-80% RH, Noncondensing
Enclosure		Plastic
Weight		6.7 ounces or 190g
Dimension (LxWxH)		5.1 x 4 x 1.4 inches or 130x100x35 mm

Radio & TV Interference Statement

WARNING!!! 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. This equipment has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

Limited Warranty

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

The direct vendor makes no warranty or representation, expressed, implied, or statutory with respect to the contents or use of this documentation, and especially 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 updates