



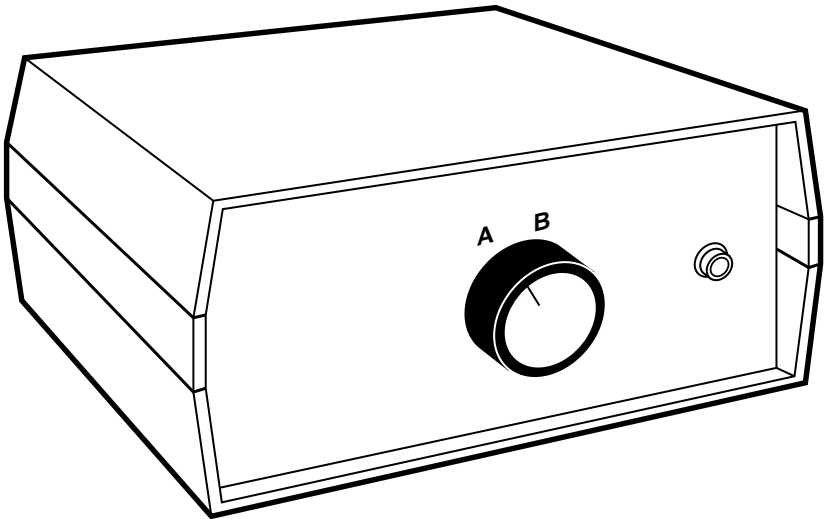
© Copyright 1998. Black Box Corporation. All rights reserved.

1000 Park Drive • Lawrence, PA 15055-1018 • 724-746-5500 • Fax 724-746-0746



SR911A-R2	SW779A-R2
SR913A	SW911A
SR914A-R2	SW913A
SR915A-R2	SW914A
SW779A	SW915A

PS-2 Style Keyboard/Video Switch



**CUSTOMER
SUPPORT
INFORMATION**

Order **toll-free** in the U.S. 24 hours, 7 A.M. Monday to midnight Friday: **877-877-BBOX**
FREE technical support, 24 hours a day, 7 days a week: Call **724-746-5500** or fax **724-746-0746**
Mail order: **Black Box Corporation**, 1000 Park Drive, Lawrence, PA 15055-1018
Web site: www.blackbox.com • E-mail: info@blackbox.com

PS-2 STYLE KEYBOARD/VIDEO SWITCH

SR911A-R2 SR913A SR914A-R2 SR915A-R2 SW779A
SW779A-R2 SW911A SW913A SW914A SR915A

Installation and Operation

TRADEMARKS

Compaq® is a registered trademark of Compaq Corporation.
IBM®, OS/2®, and PS/2® are registered trademarks of IBM Corporation.

1. SPECIFICATIONS

Design Type	All SR models: Rackmount; All SW models: Standalone
Controls.....	(1) Pushbutton to reset keyboard(s); (1) Rotary switch for selecting the keyboard or video device
Connectors.....	6-pin mini-DIN female (keyboard) and DB15HD female (monitor): SW779A: (2) input to (1) common of each; SR911A-R2, SW911A: (5) input to (1) common of each; SR913A, SW913A: (3) input to (1) common of each; SR914A-R2, SW914A: (6) input to (1) common of each; SR915A-R2, SW915A: (4) input to (1) common of each
Leads Supported.....	DB15HD connectors: 1 through 8 and 10 through 15 (Pin 9 is keyed); 6-pin mini-DIN connectors: All (6) leads
Power	None required; unit is nonpowered
Temperature	-4° to 158°F (-20° to 70°C)
Humidity	0 to 95% (noncondensing)
Enclosure	High-impact plastic
Size.....	All SR models, SW911A, SW914A, and SW915A: 3.5"H x 19"W x 5.9"D (8.9 x 48.3 x 15 cm); SW779A and SW913A: 3.5"H x 6"W x 6.3"D (8.9 x 15.2 x 16 cm)
Weight	All SR models, SW911A, SW914A, and SW915A: 8.4 lb. (3.8 kg); SW779A and SW913A: 2 lb. (0.9 kg)

2. INTRODUCTION

The PS-2 Style Keyboard/Video Switch is an economical way either to let two (or more) different keyboard video/display stations share one IBM® PS/2® compatible processor, or to let two (or more) such processors be accessed by a single keyboard/video display station.

CAUTION!

These switches can be used with most types of PS/2 compatible processors (for example, certain Compaq® models) running DOS. Avoid connecting them to actual IBM PS/2 CPUs, or to CPUs that are running OS/2® or other operating systems that must establish contact with the keyboard at bootup time.

What distinguishes this switch from other keyboard/video switches is that it has the ability to reset the keyboard through a reinitialization cycle so that the processor is able to accept new input data. The reinitialization is generated by pressing a front-panel pushbutton.

Before the development of the PS-2 Style Keyboard/Video Switch, when two PS/2 compatible computers were connected to a common keyboard, switching between them was both tricky and uncertain. The momentary break in the keyboard power connections often caused the keyboard to “freeze.” This meant that the system had to be rebooted after switching.

With the PS-2 Style Keyboard/ Video Switch, simply pressing and holding

the reset button for several seconds allows the keyboard to reinitialize itself, thus allowing the computer to accept new input data.

Applications with two keyboard/video display stations typically do not require the reset switch to be used. (It is usually required only when switching two processors between a single keyboard and monitor.) But you can press the reset switch for these applications as well without causing problems in the equipment’s operation.

In summary, here are the two main applications of these switches:

- The PS-2 Style Keyboard/Video Switch permits fast and efficient switching of keyboards and display stations between a common PS/2 compatible processor. You save money sharing a common processor—money that can be used elsewhere in your network.
- The Switch also allows two different PS/2 compatible processors to be accessed by a single keyboard and monitor without the keyboard “freezing.” You save time because you won’t waste time rebooting the computer after each switch process. And you save money—you don’t have to buy extra keyboards and monitors.

The Switch is easy to install and operate. (No more frustration over plugging and unplugging bundles of tangled cable!) And if you ordered the SW779A-R2, the cables are included.

PS-2 STYLE KEYBOARD/VIDEO SWITCH

3. INSTALLATION AND OPERATION

Follow these steps to install the PS-2 Style Keyboard/Video Switch.

1. Turn off all power to the PS/2 compatible processor(s) and monitor(s).
2. Plug the cables from the keyboard(s), monitor(s), and processor(s) into the Switch.

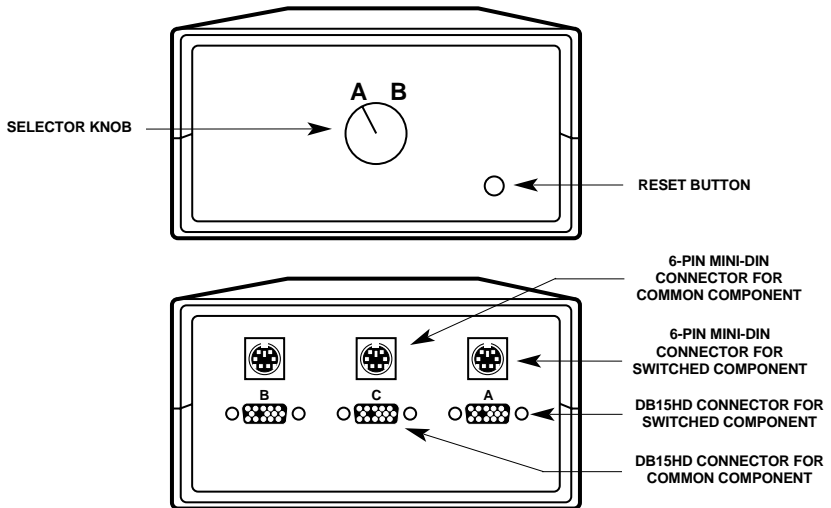
√ The common component plugs into the socket marked "C" on the rear panel.

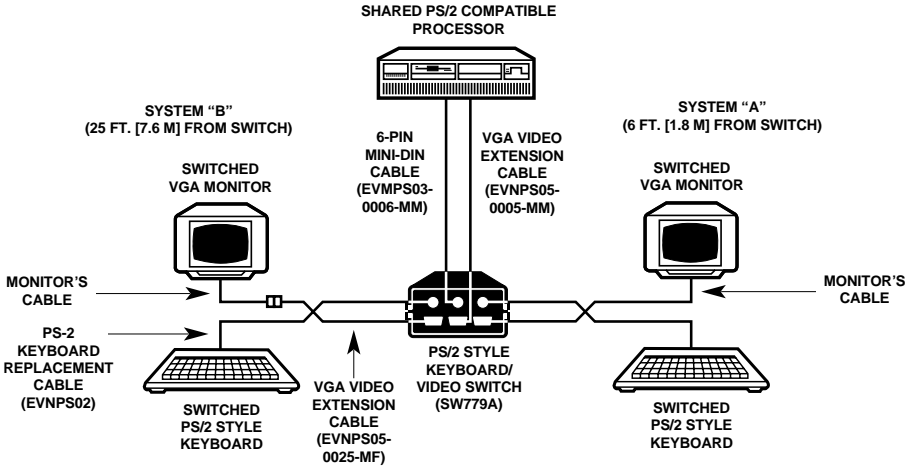
√ The components to be switched plug into the sockets marked "A," "B," "D," etc.

These correspond to front-panel selector-knob positions. Refer to the figure below and to the two application diagrams on the next page.

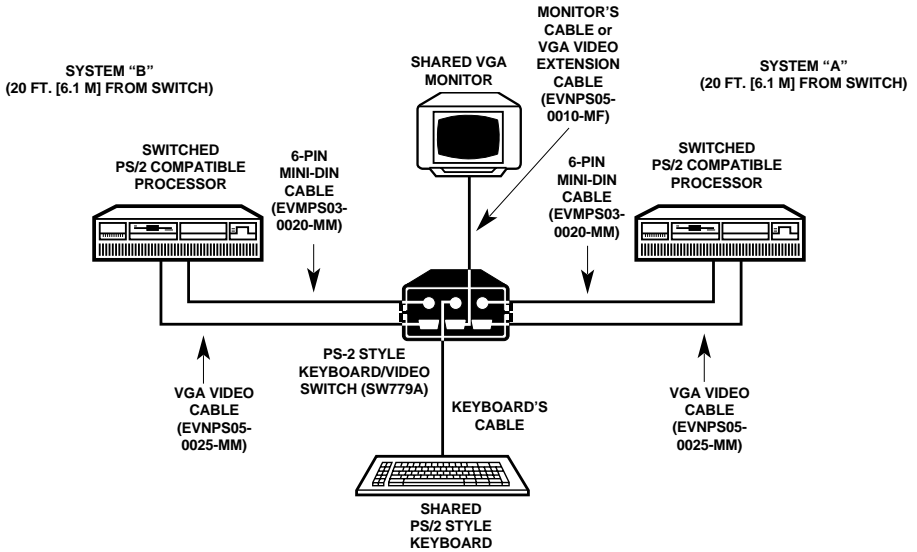
3. Turn on power to the processor(s) and monitor(s). To check the system, turn the front-panel knob to "A" and operate the system, then turn the knob to "B" and operate the system, etc. (If you are switching multiple PS/2 compatible processors, you might need to press the reset button for several seconds to reset the keyboard.)

This completes the installation. If you have any difficulty with the unit, call Black Box tech support.





Two workstations sharing a single PS/2 compatible processor.



Two PS/2 compatible processors accessed by a single workstation.

NOTES

NOTES