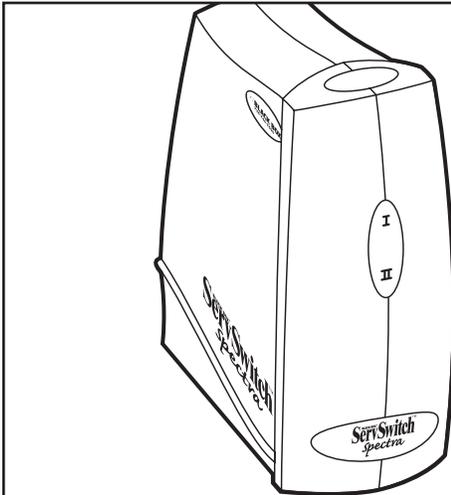


# BLACK BOX<sup>®</sup>

## NETWORK SERVICES

### SERVSWITCH<sup>™</sup> SPECTRA



***At last—a keyboard/video/mouse switch that's both simple and stylish.***

### Key Features

- ▶ ***Control two PCs with one keyboard, monitor, and mouse, plus (if you like) a pair of speakers or headphones.***
- ▶ ***Powerful video support (up to 1600 x 1280 at up to 100 Hz).***
- ▶ ***Can handle most mice, including wheel mice.***
- ▶ ***Can translate to serial-mouse protocol for older computers.***
- ▶ ***Switch between PCs with a button press or a keyboard command.***
- ▶ ***Powered by the PCs.***
- ▶ ***Contemporary styling.***

We know about that promise you made to yourself. You wouldn't be caught dead installing a keyboard/video/mouse switch for your two PCs, even though you could use one to clear the extra user equipment off your desk.

You've got good reasons. Most KVM switches are way too complicated. The ones you can afford usually turn out to be weak, feature-poor, inflexible, and unreliable. And there isn't a single model that you'd want an office visitor to see—even the most exciting-looking ones resemble a shoebox with blinking lights.

Maybe our ServSwitch<sup>™</sup> Spectra can tempt you to break that promise. For starters, it's a lot more handsome than your average KVM switch. It's in a sleek, compact case that's taller than it is wide, so that it takes up very little desktop space.

But the Spectra is more than eye candy. In addition to the usual support for using one monitor, keyboard, and mouse to control a

pair of IBM<sup>®</sup> PC type computer CPUs, the Spectra has audio jacks for attaching headphones or speakers and switching the PCs' audio output as well.

(What if you're listening to a CD or Web radio that one of the computers is playing and don't want it to be interrupted? No problem—audio switching can be turned on and off with quick three-key commands.)

The ServSwitch Spectra can also handle PC video at resolutions and refresh rates that would swamp a lot of bigger, more expensive switches. It supports VGA, SVGA, or XGA at up to 1600 x 1280 pixels, at refresh rates up to 100 Hz.

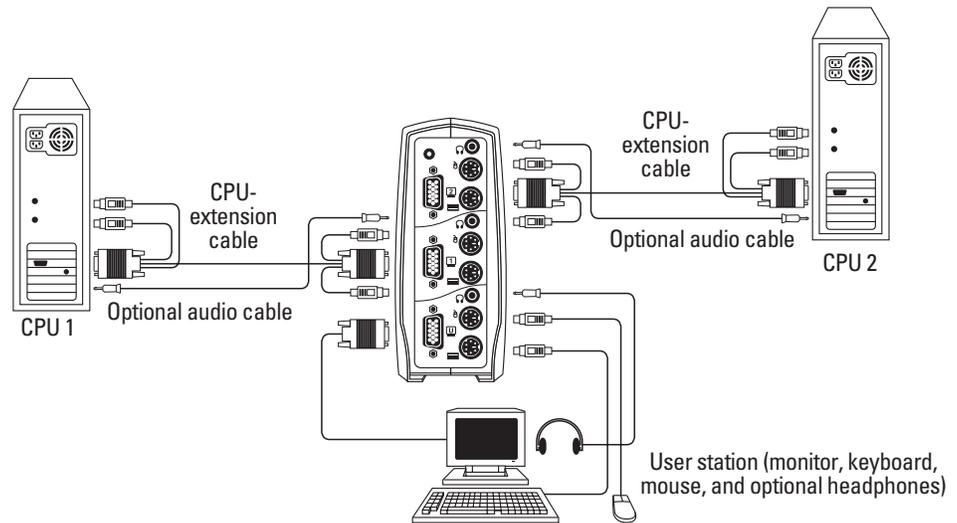
It also handles most PS/2 type mice—two-button, three-button, or wheel mice such as the Microsoft<sup>®</sup> IntelliMouse<sup>®</sup>. It doesn't support serial mice, but it *can* translate PS/2 mouse signals into serial-mouse protocol, so you can still use your older workhorse PCs that have serial mouse ports only.

The Spectra has the usual pushbutton for switching and the usual LEDs to tell you which CPU is selected, but it also has a full set of keyboard commands for switching or scanning between computers, for troubleshooting your system, and more.

Lastly, even though it's a stellar performer, it's still not complicated at all. Look at the picture on the next page: Just plug your user equipment right into its labeled ports, run one CPU-extension cable and (if necessary) one audio cable from each of the PCs to *its* labeled ports, and you're ready to go. (The Spectra is powered by the PCs—no AC outlet is required.)

The Spectra comes with a mounting plate you can use to attach it to a flat surface. If you get the ServSwitch Spectra Kit (product code SW681A-K), you also get two of the standard CPU-extension cables.

**The ServSwitch Spectra is a KVM switch for the rest of us—it's easy to install, it's easy to use, and it even looks good on the desktop!**



## Specifications

**Compliance:** CE, FCC Part 15 Subpart J Class A, IC Class/ classe A

**Standards:**

- With standard Serv cabling: VGA video;
- With standard Serv cabling (minimal) or coaxial cabling (recommended): SVGA video;
- With coaxial cabling: XGA video

**Interfaces:**

- Video (pinned as VGA, standards listed above);
- IBM PS/2 keyboard and mouse—with adapters, also supports IBM PC/AT keyboards and CPUs with PC/AT keyboard ports, as well as (when EHN408 cables are used) CPUs with serial-mouse ports;
- 3.5-mm stereo audio

**Resolution and Refresh Rate:**

- With standard CPU-Extension Cable: Up to 1024 x 768 noninterlaced at up to 75 Hz;
- With coaxial CPU-Extension Cable: Up to 1600 x 1280 noninterlaced at up to 100 Hz;

**Maximum Distance:** Up to 20 ft.

- (6.1 m) of CPU-Extension Cable from the ServSwitch Spectra to either attached CPU, but this will depend on the type of cable, the CPU, the monitor, and the video resolution

**User Controls:**

- Keyboard commands;
- Top-mounted CPU-selection pushbutton;
- Rear-mounted reset pushbutton

**Indicators:** (2) Front-mounted selected-CPU LEDs

**Connectors:** All rear-mounted:

- To user station:
  - (1) HD15 female to VGA monitor;
  - (2) 6-pin mini-DIN female:
    - (1) to PS/2 keyboard,
    - (1) to PS/2 mouse;
  - (1) 3.5-mm jack to speakers/headphones;
- To CPUs:
  - (2) HD15 female to video-output ports;
  - (4) 6-pin mini-DIN female:
    - (2) to PS/2 keyboard ports,
    - (2) to PS/2 mouse ports;
  - (2) 3.5-mm jack for audio-output ports

**Maximum Altitude:** 10,000 ft. (3048 m)

**Temperature Tolerance:** 32 to 131°F (0 to 55°C)

**Humidity Tolerance:** 5 to 80% noncondensing

**Enclosure:** High-impact plastic

**Power:** 5 VDC at up to 1 amp from the keyboard-power leads of the attached computers

**Size:** 6.2"H x 2.7"W x 5"D (15.7 x 6.9 x 12.7 cm)

**Weight:** Net: 1 lb. (0.5 kg); Shipping: 2 lb. (0.9 kg)

## Ordering Information

ITEM	CODE
ServSwitch™ Spectra .....	SW681A
ServSwitch Spectra Kit (adds two standard CPU-extension cables) .....	SW681A-K

*You might also need...*

<b>Standard CPU-extension cable</b>	
5 ft. (1.5 m) .....	EHN404-0005
10 ft. (3 m) .....	EHN404-0010
15 ft. (4.6 m) .....	EHN404-0015
20 ft. (6.1 m) .....	EHN404-0020
<b>Coaxial CPU-extension cable (required for high-res video, XGA video, or CPUs with serial mouse ports)</b>	
5 ft. (1.5 m) .....	EHN408-0005
10 ft. (3 m) .....	EHN408-0010
20 ft. (6.1 m) .....	EHN408-0020
<b>Audio cable</b>	
10 ft. (3 m) .....	EJ110-0010
20 ft. (6.1 m) .....	EJ110-0020
<b>PC/AT type keyboard-port adapter (6-pin mini-DIN F to 5-pin DIN M) .....</b>	
FA212	
<b>PC/AT type mouse-port adapter (6-pin mini-DIN F to DB9 M) .....</b>	
FA312	
<b>Data-line surge protectors for PS/2 type keyboard or mouse .....</b>	
SP519A-R2	
<i>Call BLACK BOX TECH SUPPORT for help determining your best options for AC-power backup and protection.</i>	



Black Box offers the best warranty program in the industry—Fido Protection®. For more information, request **FaxBack 22512**.