



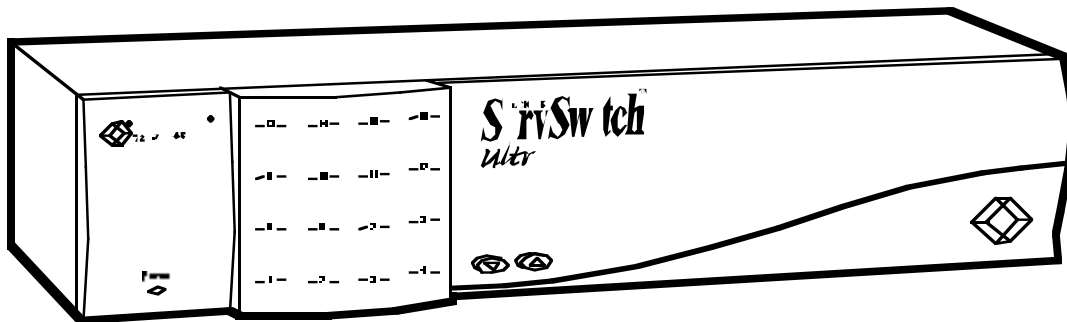
BLACK BOX[®]

NETWORK SERVICES

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SERVSWITCH ULTRA



*Multiplatform access, management,
and control—plus it's ready for your
audio applications.*

Key Features

- ▶ **Now optimised for audio applications! Just use standard or coax audio cables.**
- ▶ **Manages PC, Sun, Mac, and PC UNIX servers all at once!**
- ▶ **Daisychain multiple units to manage up to 256 servers!**
- ▶ **Most units feature on-screen menus for switching servers.**
- ▶ **Flash-ROM upgradable through the serial port.**
- ▶ **Rackmountable.**
- ▶ **Resolution up to 1600 x 1280 @ 100 Hz.**

Exactly how much control and convenience do you need to manage your servers?

Chances are, you can't have enough. That's why we made the ServSwitch™ Ultra.

With the ServSwitch Ultra, you can manage multiple-platform servers that include PC, Sun®, Mac®, and certain PC-based UNIX® platforms like SGI™, RS/6000™, and DEC™ Alpha.

All units are now optimised for use with audio applications. And most ServSwitch Ultra units feature convenient on-screen menus that make system configuration and server selection a snap. Choose a model that fits your installation.

The ServSwitch Ultra is expandable, too. Install an

Expansion Card to add 4 ports—or daisychain units to manage up to 256 servers!

Let's Get Personal.

From the main configuration page, the ServSwitch Ultra's on-screen displays enable you to configure the ServSwitch, change to different servers, and see the server to which you are connected. Overlay parameters like screen colors, screen fonts, and how long server labels are displayed are also programmed through the on-screen menus.

For ease of use, the on-screen display enables you to select names for each server. These names will show up on the screen when you select the corresponding port. And when you configure the overlay page, you can select

such things as the screen saver, screen-saver time, computer-select window appearance, and computer-label appearance. You can truly make the ServSwitch Ultra yours.

What Kind of Monitor?

Use a multisync monitor that can sync to the highest horizontal frequency of all video systems being shared.

How the monitor identifies itself is also important. The ID bits it sends may not be recognizable to different video systems. We recommend a multi-sync monitor for mixed video platform systems.

Your monitor should also have the appropriate adapter cables to enable it to work with each video platform in your system. Although the ServSwitch Ultra converts

keyboard and mouse signals in multiplatform configurations, it won't convert video signals.

Upgrade the Firmware.

The Flash ROM can be upgraded at power-up, receiving a programming file at either 57.6 kbps or 9600 bps (user-selectable) from a PC's serial port.

To do this, connect the serial port of a PC to the serial port of the ServSwitch Ultra via the

DB25M-RJ-45 adapter and modular cable that came with the switch.

Expand Your System.

It's easy to daisychain ServSwitch Ultras, and you can manage large server systems that include as many as 256 CPUs. Use the EHN274 ServSwitch to connect multiple ServSwitch units together—call Tech Support for

ordering information. Submaster units are chained off the master unit by connecting them from the master's CPU ports to the submaster's keyboard/monitor/mouse input. When the master unit is configured, all connected submaster units are automatically configured.

Add More Ports.

Add four additional ports to your full-size ServSwitch Ultra

with a 4-Port Expansion Card. (Since it's a tricky procedure, we require that our experts do the installation for you at our facility. There's no extra charge.)

Stick It in a Rack.

If space is a premium, keep multiple switches neatly racked in your computer room. Choose from three different-sized Rack Kits: 19", 23", and 24".

Specifications

Approval: UL[®], CSA, CE

Distance (Maximum):

20 ft. (6.1 m) using standard ServSwitch cable; for higher resolutions and greater distances, use coax cable (up to 100 ft. [30.5 m])

Hardware Requirements: Multisync monitor required; should be able to match the highest video standard used and form video from either composite sync or separate vertical and horizontal sync signals

Resolution (Maximum): All PC, Mac[®], and Sun[®] up to 1600 x 1280 noninterlaced video; monitor must support video resolution

Supported CPUs: PS/2[®]; IBM[®] 286, 386, 486; Pentium[®] or compatible; Mac; Sun; and PC UNIX[®], including SGI, RS/6000, and DEC Alpha

Connectors:

- (1) IEC 320 input for power;
- (1) RJ-11 6-wire for serial control and Flash-ROM upgrades;
- (1) DB25 F for common KVM;
- (1) DB25 F for each CPU port

Indicators: LEDs: (1) Power; (1) CPU Selected and (1) CPU Power for every CPU port

Power: 100 to 240 VAC, 50 to 60 Hz (autosensing) with IEC 320 connector

Size: Mini: 1.75"H x 8.9"W x 4.8"D (4.4 x 22.6 x 12.2 cm);

Slim: 1.75"H x 13.8"W x 4.8"D (4.4 x 35.1 x 12.2 cm);

Full: 3.5"H x 13.8"W x 4.8"D (8.9 x 35.1 x 12.2 cm)

Weight:

KV5002MA-R2, KV5004MA-R2, KV5004MN-R2: 4 lb. (1.8 kg);

KV5004SA-R2: 5 lb. (2.3 kg);

KV5008SA-R2: 5.3 lb. (2.4 kg);

KV5008FA-R2: 8 lb. (3.6 kg);

KV5012FA-R2: 8.3 lb. (3.8 kg);

KV5016FA-R2: 9 lb. (4.1 kg)/

Choosing Your Cables

Call Tech support on 0118 965 6000 for help in choosing the appropriate Adapter Cables for keyboard/monitor/mouse and CPU connections.

Ordering Information

ITEM	CODE
ServSwitch™ Ultra	
Mini Chassis Style	
2-Port	KV5002MA-R2
4-Port	KV5004MA-R2
4-Port (No On-Screen Menus).....	KV5004MN-R2
Slim Chassis Style	
4-Port.....	KV5004SA-R2
8-Port.....	KV5008SA-R2
Full Chassis Style	
8-Port	KV5008FA-R2
12-Port	KV5012FA-R2
16-Port	KV5016FA-R2

To mount your ServSwitch, order...

Rackmount Kits	
19" Rackmount Kit for Mini Chassis	RMK19M
23" Rackmount Kit for Mini Chassis	RMK23M
24" Rackmount Kit for Mini Chassis	RMK24M
19" Rackmount Kit for Slim Chassis.....	RMK19B
23" Rackmount Kit for Slim Chassis.....	RMK23B
24" Rackmount Kit for Slim Chassis.....	RMK24B
19" Rackmount Kit for Full Chassis	RMK19C
23" Rackmount Kit for Full Chassis	RMK23C
24" Rackmount Kit for Full Chassis	RMK24C

To expand your 8- or 12-Port Full Chassis to 12 or 16 ports, order...

4-Port Expansion Card.....	KV5000C-R2
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