

Introduction

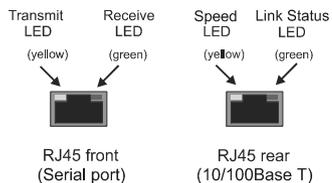
This guide covers the basic installation and configuration setup of the CS9000. It is intended for systems administrators familiar with UNIX and Windows NT operating systems, Ethernet TCP/IP networks and the RADIUS protocol.

For further information please refer to the CS9000 user guide on the Serial/Console Servers CD supplied with this product.

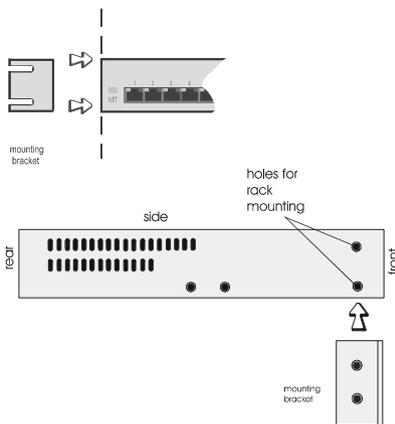
Summary of installation

1. Mount your CS9000 on a rack, desk, or wall.
2. Connect it to the network using the 10/100BaseT port.
3. Enter an IP address into the CS9000: connect a terminal or PC to the Admin Port on the rear panel, and key in an ip address, or use dhcp, bootp or rarp to send the unit an IP address.
4. In both cases enter other network information into the unit; for example, broadcast address, subnet mask.
5. Configure the CS9000 using one of the following:
 - a. a PC to run JETset - a web browser program; it connects to your unit using http.
 - b. a terminal or PC to type in commands using command line interface, or to select menu options using text-based menus
 - c. DHCP, bootp or snmp
6. Attach your equipment (servers or routers for example) into the front-mounted ports.
7. Test communications with your attached devices. If communications are OK, your CS9000 is ready to use.

LEDs on RJ45 ports (after bootup)

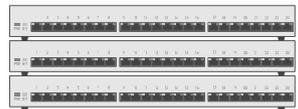


Rack Mounting



Multiple stacking your CS9000

When stacking your unit on a desk we recommend that you stack no more than three units high in a 0 to 40 degrees centigrade environment.



When using the CS9000 make sure you fit the rubber feet to all units before stacking.

Caution

When mounting several CS9000 units in a 19" rack you must not stack more than 3 units without leaving an air gap between them.

Caution

Observe maximum ambient operating temperatures within a rack; you may have to use forced air cooling.

Admin port pinouts

The pinouts of a 25-way Admin port connector are shown below. They are suitable for a straight-through cable to a PC.

Pin	Signal	Function
2	RXD	Receive
3	TXD	Transmit
7	S/GND	Signal Ground

Connection examples

For connecting a port on the front of the CS9000 to the console port on a Sun server with software flow control;

CS9000 Port		Sun server DB25	
4	GND	7	GND
5	TX	3	RX
6	RX	2	TX

For connecting a port on the front of the CS9000 to the DB25 console port on a Sun server with hardware flow control;

CS9000 Port		Sun server DB25	
1	DCD	20	DTR
2	DSR	6 & 8	DSR & DCD
3	DTR	20	DTR
4	GND	7	GND
5	TXD	3	RXD
6	RXD	2	TXD
7	CTS	5	CTS
8	RTS	4	RTS

Cisco RJ45 console ports with software flow control

CS9000 Port		Cisco RJ45	
5	TX	6	RX
6	RX	3	TX
4	GND	4	GND

Entering network details

1. Set your terminal or PC with terminal emulation to emulate VT100

Note

If your terminal/PC cannot emulate VT100 you will not be able to use the text menuing system during this installation; instead you will have to use the command line interface (cli)

2. On your terminal/PC set 9600 baud, 8 data bits, no parity and software flow control.
3. Connect your terminal/PC to the DB9 or DB25 port marked 'ADMIN' on the rear of the unit.

Note

The Admin port is VT100 emulation only.

4. Connect your CS9000 to mains power. After power up, you should see a boot sequence then a login prompt.

Note

If you do not see the login prompt you may have a problem with terminal settings (emulation type, baud rate, data bits, etc.). Also, check your cabling.

5. At the login prompt, type **admin** then at the password prompt, type **superuser** and press the **Enter** key.
6. Type **screen** then press the **Enter** key; you should be presented with the main text menu

Note

If typing **screen** does not take you into the menu system, you may not be able to use the menus because of your terminal emulation. Use the command line interface (cli).

7. Select the Server configuration option.
8. Enter your CS9000 network details;
server name - the name you want to give your CS9000, for example, socrates
internet address - the ip address you will use for your CS9000, in dot notation, for example, 192.65.132.6
broadcast address - the address which will reach all the necessary hosts. for example, 192.65.132.255

subnet mask - for example, 255.255.255.0

domain name - for example perle.com

authentication - how users will be authenticated; you have a choice of 'both' (by CS9000, then if necessary by the RADIUS host), 'local' (CS9000 only) or 'RADIUS' (by the RADIUS host only).

gui_access - whether you want to allow web browsers to access the GUI configuration program, named JETset.

9. Save your configuration, then reboot to allow the changes to take effect.

Configuration using JETset

If you want to use JETset - the full configuration program proceed as follows (this uses a PC with terminal emulation);

1. Open your web browser and enter the ip address of your CS9000 in dot decimal notation.
2. Within the JETset home page, at the password prompt type **superuser**, then click on the Login button.

You can now configure the CS9000.



CS9000

Console Server

Quick start guide



- Remote access
- RADIUS authentication and accounting

Contacting Perle Technical Support

Perle offers free technical support to Perle Authorised Distributors and Registered Perle Resellers.

To access technical support please visit the Perle website at www.perle.com/support. Here you will find:

- latest drivers and firmware updates for download
- technical tips
- frequently asked questions
- documentation
- configuration support
- cabling information
- maintenance contract information
- and much more...

If you are unable to find the information you require, please feel free to contact our technical support teams by email at:

USA

Email: ptac@perle.com

Europe

Email: ptacemea@perle.com

Asia

Email: ptacasia@perle.com

Internet

www.perle.com/support

CS9000 Quick Start Guide

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