

Must use command “sset n” to forward data to a user console port. A NC system waits for 20 seconds and has a 4 k byte buffer for capturing data from the active user console port.

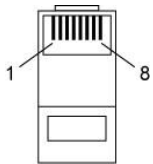
SYSTEM OPERAION LOG

Use “help” to obtain information on how to use the operation event logging feature.

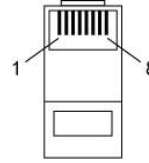
- datalog 0 – disable the logging feature (default).
- datalog 1 – enable the logging feature.
- datalog 2 – view logging message.
- datalog 3 – clear logging message.

CABLES

RS-232 — RJ45 (8-pin)		C-RJ45-DB9F-4, RJ-45 to RS232 (Female, DCE) cable, 4'.	
RS232 DB9 Female		RJ45 (8-pin)	
Pin #	Signal	Pin #	Signal
1	DCD	1	DSR
2	TxD	2	RTS
3	RxD	3	GND
4	DSR	4	TxD
5	GND	5	RxD
6	DTR	6	DCD
7	CTS	7	CTS
8	RTS	8	DTR
9	---		



RS-232 — RJ45 (8-pin)		C-RJ45-DB9M-4, RJ-45 to RS232 (Male, DTE) cable, 4'.	
RS232 DB9 Male		RJ45 (8-pin)	
Pin #	Signal	Pin #	Signal
1	DCD	1	DSR
2	RxD	2	RTS
3	TxD	3	GND
4	DTR	4	TxD
5	GND	5	RxD
6	DSR	6	DCD
7	RTS	7	CTS
8	CTS	8	DTR
9	---		



Local Master Port Signals supported:
RXD/TXD, CTS/RTS, DTR, DSR.
User Serial Port Signal Supported:
RXD/TXD, CTS/RTS.

Typical Connections:

- 1) PC (DTE, Male) ↔ Local Master Port (DCE, Female)
- 2) Local Master Port (DTE, Male) ↔ External Modem (DCE, Female)
- 3) User Equipment (DCE, Female) ↔ Local User Port (Male, DTE)

(Note: The system sends external Modem Command string in every a few minutes. The manufacture pre-set default Modem command string configures the external Modem with proper signal handshaking and call-answer mode.)

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QUICK STARTUP REFERENCE

For NC-16

Part # 1299 Rev4

How to start:

To access or control the system, you can connect a RS232 port from your computer to the system's Master Serial Port, or you can connect the system Ethernet port to your Local Area Network. You need to run a terminal emulation program (such as Window's Hyper Terminal) on your computer to communicate with the system via a RS232 link. Once your network configuration is completed, you are able to run Telnet, Web browser, Emailing, or SNMP/Traps utility programs that rely on a physical connection from the system's Ethernet port.

→ A control command to the system proceeds with a prefix letter. The prefix letter must be the first letter on a line entry. If both conditions are not met, the letters being typed are forwarded to an active user serial port without local terminal echo. The default prefix letter is "/". It may be changed if there is a conflict with your applications.

→ To set an active serial port, at Telnet or Serial terminal: type “/sset n”, where “n” is the port #.

→ IP Netwok Default Settings:

192.168.1.100, Submask 255.255.255.0, Gateway 192.168.1.1. The default Administrator's login name is “*admin*” and password is “*admin*”.

DEFAULT SETTINGS

The system is shipped with Factory Default settings. The default settings for the Local Master serial port are: **9600, 8 data bits, no parity, 1 stop bit, and no hardware handshaking (Flow Control)**. For the Ethernet port, **IP address 192.168.1.100, Submask 255.255.255.0, Gateway 192.168.1.1**. The default Administrator's login name is "**admin**" and password is "**admin**". All existing user accounts are erased if the system is recovered to the default settings. All user console ports are set to the same parameters as the Local Master Port.

Control via Email, SNMP and Trap are disabled as the default settings. Use configuration menu (Terminal program or Web) to change the default settings if you need to.

There are two ways to restore the system to the Factory Default settings. The first method is to press a push-button switch located on the front panel for 1 second. The second method is to select "Reload Factory Defaults" from the Main Menu. The Main Menu can be viewed by running a terminal emulation program such as Windows "hyperTerm".

USER PRIVILEGE LEVELS

Administration Login: There is only one Administration account on the system. The default name is "admin" and default password is also "admin". The default name and password may be changed. If you login at Administration level, you are able to remove or change existing user accounts, take over power outlets or user serial console ports and change system settings.

User Login: At the user login level, you are able to reserve power or console ports for your applications if they are "open", as well as make system configuration changes. At this login level, you are not able to access other user reserved console ports or change operation status for other reserved power outlets.

Anonymous (Visitor) Access: If you have no account established on the system (as an anonymous user), you are only able to view the system configuration settings and operate unreserved serial console ports or power outlets.

START CONFIGURATION

To access and configure the system from the master port, you need to connect a RS232 port from your work station to the Local Master Serial Port. Then, run a terminal emulation program (such as Window's Hyper Terminal) on your computer.

- 1) Connect the system's Local Master Port (DCE) with a straight DB-9 type cable if your workstation is equipped with a DTE port.
- 2) Connect the system's Ethernet port to your LAN, if you intend to use the network port.
- 3) Turn the system power on.
- 4) At terminal emulation program, type "/setup" command to start system setup process. Type "/help" for help information.
- 5) The system has DHCP enabled, as a default setting. Network connectivity parameters are displayed at the startup screen. If the system does not get a DHCP offer, the system falls back to default static network settings. You can alter the default network settings to fit your need.
- 6) Use the command "/ping" to verify your connection. If network connection is established, you are able to use Telnet, Web Browsing, Emailing and SMNP.

A control command to the system proceeds with a prefix letter. The prefix letter must be the first letter on a line entry. If both conditions are not met, the letters being typed are forwarded to an active user serial port without local terminal echo. The default prefix letter is "/". It may be changed if there is a conflict with your applications.

USER SERIAL CONSOLE PORT ACCESS

Select the serial console port: use configuration menus (Terminal or Web), to set the active port or use the following command **at a terminal program:**

/sset n, where n is the port number.

There are no local echo characters on your terminal because they are forwarded to user equipment that is connected to a user console port. It is up to the connected user equipment how to response to messages you entered.

ACCESS VIA EMAILS

Use the configuration menus to enable the via feature and then define email servers (POP3 and SMTP), incoming addresses and 2nd optional outgoing (reply) email addresses. Using the following format to send your emails:

Send control command only:

Email Subject Field –

&sysName&username&password&command&

where "sysName" is the user defined system (device) name; "username&password" is an existing user account name and password on the system.

Example: &sysSite2&johnW&myPass&rb 2&
Note. Command Delimiter "&" may be altered. Use command "/help" to see details.

Send command AND user data via emails using the following format:

Email Subject Field -

&sysName&username&password&sset 3&, where "sset 3" is a command for selecting user console port 3 for communicating.

Email Body Field -

& my message 1 &
& my message 2 &

Note: *No space or other letters before each line.*