



AREA CODE CHANGE

Please note that the area code for Paradyne Corporation in Largo, Florida has changed from 813 to 727.

For any Paradyne telephone number that appears in this manual with an 813 area code, dial 727 instead.

HotWire DSLAM Configuration for 8540 and 8546 DSL Cards Startup Guide

Document Number 8000-A2-GB24-00

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This guide describes how to configure the HotWire Digital Subscriber Line Access Multiplexer (DSLAM) system.

Before You Begin

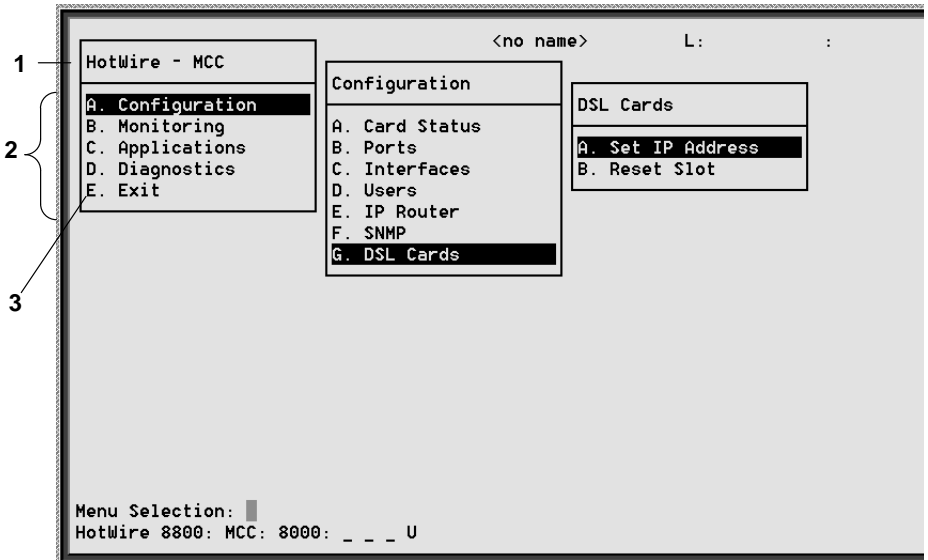
Make sure that you have:

- Accessed the Paradyne World Wide Web site at <http://www.paradyne.com> (select: *Service & Support* → *Technical Manuals*) for the following documents:
 - The *HotWire DSLAM for 8540 and 8546 DSL Cards User's Guide*, Document Number 8000-A2-GB20, for details on how to configure and operate the DSLAM system.
 - The *HotWire DSLAM for 8540 and 8546 DSL Cards Network Configuration Guide*, Document Number 8000-A2-GB21, for explanations of internetworking features and operations.Configuration worksheets are provided in the *Network Configuration Guide*, Appendix A. You might want to record your settings as you configure your system.
- Installed either the HotWire 8600 or 8800 DSLAM, plus the 8540 and 8546 cards in the DSLAM. If you have not done so, refer to the appropriate HotWire DSLAM Installation Guide for installation instructions:
 - The *HotWire 8600 Digital Subscriber Line Access Multiplexer (DSLAM) Installation Guide*, Document Number 8600-A2-GN20, or the *HotWire 8800 Digital Subscriber Line Access Multiplexer (DSLAM) Installation Guide*, Document Number 8800-A2-GN21.
- Connected a terminal or PC terminal emulator to the DSLAM's VT100 console port.

Contact your sales or service representative to order additional product documentation.

Components of a HotWire Menu

A typical HotWire menu format looks like this:



1. **Menu Title** is the top line of the menu window that displays the title of the menu or submenu.
2. **Menu List** is the bottom portion of the menu window that displays the list of menu options. When selected, a menu option displays a submenu window or screen.
3. **Letter Navigation Keys** are provided within a menu list. These keys provide a convenient way (short cut) to select a menu item.

For example, from the HotWire – MCC menu illustrated above, you can simply press the **A** key to select the Configuration menu item. The Configuration menu appears. You can then press the **G** key to select the DSL Cards menu item. This action displays the DSL Cards menu. The navigation path to select Set IP Address from the DSL Card menu is represented in this document as **A-G-A**. (You can also use the arrow keys on your keyboard to select a menu item.)

4. To back up one menu level, press Ctrl-z . To go to the Home screen, press Ctrl-a.

Commonly Used Navigation Keys

The following table lists the most commonly used navigation keys with their definitions. These commands are used to move around the menus and screens.

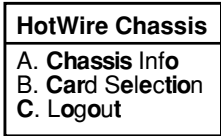
Keys	Definition
Ctrl-a	Moves Home or to the top of the menu.
Ctrl-k	Moves up to the previous menu selection or entry field.
Ctrl-l	Refreshes the screen.
Ctrl-p	Moves back a field.
Ctrl-t	Moves Home or to the top of the menu.
Ctrl-v	Displays a pop-up list of all interfaces on the IP Network screen. Displays a pop-up list of all accounts in system on the Configure Accounts screen.
Ctrl-z	Moves back one menu level or exits from screen.
Up arrow	Moves up to the previous menu selection or entry field.
Down arrow	Moves down to the next menu choice or entry field.
Left arrow	Moves left to the previous menu box or entry field.
Right arrow	Moves right to the next menu box or entry field.
Enter or Return	Accepts entry.
Tab	Moves down or to the next selection.
?	Displays Online help screens that correspond to the particular menu or system screen displayed.

HotWire Menus: A Hierarchic View

This section describes the menu structure of the HotWire user interface.

HotWire Chassis Main Menu

The following illustration shows the HotWire Chassis Main Menu.



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From the HotWire Chassis Main Menu, you can select:

- **Chassis Info** to enter or display chassis information, such as the chassis name, name of person responsible for the system, and physical location of the chassis. For more information, see *Additional Setup Instructions* in Chapter 3 of the *User's Guide*.
- **Card Selection** to select a particular card in the chassis. This screen also displays status information about all cards in the chassis. The card you select determines which HotWire menu the system will display next (either the HotWire – MCC menu or the HotWire – DSL menu). For more information, see *Card Selection Screen* in Chapter 2 of the *User's Guide*.
- **Logout** to exit from the current login session on the HotWire DSLAM. For more information, see *Exiting From the System* in Chapter 2 of the *User's Guide*.

Checklist for Configuring the HotWire DSLAM

Overview

Use the following checklists to provide the basic steps required to configure the MCC cards, DSL cards, and RTUs for the HotWire DSLAM.

For more specific information on basic configuration procedures, see Chapter 4, *Configuring the HotWire DSLAM*, in the *User's Guide*.

NOTE:

It is advisable to coordinate an IP addressing plan with the Network Service Provider before configuring the DSLAM. An IP addressing plan is required for both the Management Domain and the Service Domain. For additional planning information, see the *HotWire DSLAM for 8540 and 8546 DSL Cards Network Configuration Guide*.

Management Domain Configuration

To monitor and control the operation of the overall system, the IP addresses of the HotWire DSLAM and the HotWire RTU must be allocated in such a way that they are partitioned into two distinct domains. The management domain resides in a separate domain from that of the service domain. The Network Access Provider (NAP) provisions IP addresses for the management domain. Configure the management domain, IP addresses, and default routes for the DSLAM system including the MCC card, DSL cards, and HotWire 5446 RTUs as follows:

Check Off Task	Perform this task . . .	On this screen . . .	To access the screen . . .
	1. Power on the HotWire DSLAM.		Who Am I
	2. Clear NVRAM if the Who Am I screen does not appear. (See page 8)	(HotWire – MCC) NVRAM Clear	Select: <i>Configuration</i> → <i>Card Status</i> → <i>NVRAM Clear</i> (A-A-D)
	3. Assign an IP address to the backplane (s1b) on the MCC card. (See page 9)	(HotWire – MCC) IP Network	From the HotWire – MCC menu, select: <i>Configuration</i> → <i>Interfaces</i> → <i>IP Network</i> (A-C-B)
	4. Assign IP addresses to the DSL cards. (See page 9)	(HotWire – MCC) Configure DSL IP Addr	From the HotWire – MCC menu, select: <i>Configuration</i> → <i>DSL Cards</i> → <i>Set IP Address</i> (A-G-A)
	5. Create default route. (See page 10)	(HotWire – MCC) Static Routes	From the HotWire – MCC menu, select: <i>Configuration</i> → <i>IP Router</i> → <i>Static Routes</i> (A-E-A)
	6. Reset the MCC card. (See page 10)	(HotWire – MCC) Card Reset	From the HotWire – MCC menu, select: <i>Configuration</i> → <i>Card Status</i> → <i>Card Reset</i> (A-A-F)

Check Off Task	Perform this task . . .	On this screen . . .	To access the screen . . .
	7. (When using an 8546 DSL card) assign an IP address within the management subnetwork for each connected HotWire 5446 RTU. (See page 11)	(HotWire – DSL) IP Network	From the HotWire – DSL menu, select: <i>Configuration</i> → <i>Interfaces</i> → <i>IP Network</i> (A-C-B)
	8. Configure a static route to the NMS (on each DSL card). (See page 12)	(HotWire – DSL) Static Routes	From the HotWire – DSL menu, select: <i>Configuration</i> → <i>IP Router</i> → <i>Static Routes</i> (A-E-A)

Clear NVRAM

Prior to configuring your system, you should clear NVRAM on the MCC and DSL cards if the Who Am I screen is not displayed on system power up.

► Procedure

1. Select *Configuration* → *Card Status* → *NVRAM Clear (A-A-D)*.
2. Enter **yes** at the `Initialize NVRAM: yes/no` prompt.

NOTE:

An answer of **yes** causes the loss of all static configuration information. Any changed parameters will return to default values, including user accounts, filtering information, interface configurations, and port configurations.

Setting the IP Address and Subnet Mask

After powering on the system for the first time, you must set the management IP address and subnet mask of the MCC card.

► Procedure

To set the management IP address and subnet mask of the MCC card:

1. Power up the chassis.
When the self-test is complete, the Who Am I screen appears.
2. Enter the management domain IP address at the `(nnn.nnn.nnn.nnn):` prompt.
The subnet mask is automatically calculated.
3. Do **one** of the following at the `(nnn.nnn.nnn.nnn):` prompt:
 - Press **Return** to accept the subnet mask.
 - Enter a new subnet mask and press **Return**.
The system highlights the `OK to Restart?:` prompt.
4. Enter **y** at the `yes/no:` prompt to restart the card or **n** to decline the restart.
The system displays the HotWire Chassis Main Menu.

Assigning IP Addresses to the Backplane

Use this procedure to create a separate and distinct network or subnetwork for the 8546 DSL cards and 5446 RTUs or for the 8540 DSL cards. (The RTUs associated with the 8540 DSL cards do not need to be included in the network.)

► Procedure

To assign an IP address to the backplane (s1b):

1. Select *Configuration* → *Interfaces* → *IP Network (A-C-B)*.
2. Enter the interface name at the `Input Interface Name` prompt (s1b).
3. Enter the base IP address at the `(nnn.nnn.nnn.nnn)` prompt.
4. Enter the base subnet mask at the `(nnn.nnn.nnn.nnn)` prompt.
5. Enter the peer IP address at the `(nnn.nnn.nnn.nnn)` or `address pool` prompt.
6. Enter route type **NET** (for network) at the `Route to peer (host/net):` prompt.
You can customize your application by filling in the `Input` (prevents packets from entering the DSL card) and `Output` (prevents packets from going out of the DSL card) filter fields.
7. Press Ctrl-z and save changes.

Assigning IP Addresses to the DSL Cards

Use this procedure to define addresses within the management domain. These are automatically assigned to the DSL cards when they are inserted in the chassis.

► Procedure

To assign IP addresses to the DSL cards:

1. Select *Configuration* → *DSL Cards* → *Set IP Addresses (A-G-A)*.
2. Enter the DSL card subnet mask at the `(nnn.nnn.nnn.nnn)` prompt. This is the subnet mask for the backplane (s1b) management subnet.
3. Enter the IP address for each DSL card at the `(nnn.nnn.nnn.nnn)` prompt.
4. Press Ctrl-z and save changes.

Creating the Default Route

Use this procedure to create the default route to the management domain next hop router. This default route will be used to direct management domain traffic to the MCC card.

► Procedure

To create the default route to direct management domain traffic to the MCC card:

1. Select *Configuration* → *IP Router* → *Static Routes (A-E-A)*.
2. Enter **0** or press Return at the *Item Number* prompt.
3. Enter **0.0.0.0** at the *Destination (or space to delete route):* prompt.
4. Press Return at the *Subnet Mask: (nnn.nnn.nnn.nnn)* prompt.
5. Enter the IP address of the default route to the next hop address at the *Next Hop IP Address (nnn.nnn.nnn.nnn)* prompt.
6. Enter **1** for preference at the *Input Number* prompt.
7. Leave default fields for S/D (Source/Destination) and PA (Proxy ARP).
8. Confirm the save and press Ctrl-z.

Resetting the MCC Card

After configuring the MCC card, reset the MCC card to install the configuration settings.

► Procedure

To reset the MCC card:

1. Select *Configuration* → *Card Status* → *Card Reset (A-A-F)*.
2. Enter **yes** to verify MCC reset and wait for the MCC card to reboot.
3. Press Return.
The Operator Login screen is displayed.
4. Enter login information.

Selecting a DSL Card to Configure

All DSL cards that are present in the chassis and have had backplane addresses assigned to them should appear on the Card Selection screen.

► Procedure

To select a specific DSL card to configure:

1. From the HotWire Chassis Main Menu, select Card Selection.
2. Enter **DSL nn** where nn is the number of the DSL card you want to configure and press Return.
The HotWire DSL menu is displayed.
3. Select Configuration and press Return.
The Configuration Menu is displayed.

Configuring 5446 RTU IP Host Addresses on the 8546 Card

Use this procedure to assign an IP address within the management subnet to each 5446 RTU incorporating with an 8546 DSL card.

This procedure does not apply to the Model 8540 card.

► Procedure

To assign 5446 RTU IP Host Addresses on the 8546 DSL cards:

1. Select *Configuration* → *Interfaces* → *IP Network (A-C-B)*.
2. Enter the interface name at the `Input Interface Name` prompt (s1c, s1d, s1e, or s1f).
3. Enter the peer IP address at the `(nnn.nnn.nnn.nnn)` or `address pool` prompt. (This is the management domain IP address that will be assigned to the 8546 RTU assigned to port 1.)
4. Enter Host at the `Route to peer` prompt.
5. Press Ctrl-z and save changes to exit.
6. Repeat the above procedure for interfaces s1d, s1e, and s1f (DSL Ports 2, 3, and 4, respectively).

Configuring a Static Route to the Network Management System (on each DSL Card)

Use this procedure to enable the management traffic from the 8540 DSL cards and the 8546 DSL cards and their downstream 5446 RTUs to be routed back through the MCC.

► Procedure

To configure a static route to the Network Management System on each DSL card:

1. Select *Configuration* → *IP Router* → *Static Routes (A-E-A)*.
2. Enter **0** or press Return at the *Item Number (0 to add new record):* prompt to add a new record.
3. Enter the address of the NMS (*nnn.nnn.nnn.nnn*) at the *Destination* prompt.
4. Enter the subnet mask at the *Subnet Mask (nnn.nnn.nnn.nnn)* prompt.
5. Enter the backplane IP address of the MCC card (s1b) at the *Next Hop IP Address (nnn.nnn.nnn.nnn)* prompt.
6. Enter **1** at the *Input Number* prompt to specify the preference.
7. Leave default fields for *S/D (Source/Destination)* and *PA (Proxy ARP)*.
8. Confirm the save and press Ctrl-z.

Service Domain Configuration

To monitor and control the operation of the overall system, the IP addresses of the HotWire DSLAM and the HotWire RTU must be allocated in such a way that they are partitioned into two distinct domains. The service domain should be separate from that of the management domain. Configure an IP address for each service domain required by that card by selecting *Configuration* → *Interfaces* → *IP Network*. The maximum number of configurable IP addresses for the Service Domain on the IP Network *e1a* screen is 16.

Check Off Task	Perform this task . . .	On this screen . . .	To access the screen . . .
	1. Assign IP addresses to the DSL card LAN interface (e1a). (See page 14)	(HotWire – DSL) IP Network	From the HotWire – DSL menu, select: <i>Configuration</i> → <i>Interfaces</i> → <i>IP Network (A-C-B)</i>
	2. Reset the DSL card. (See page 15)	(HotWire – DSL) Card Reset	From the HotWire – DSL menu, select: <i>Configuration</i> → <i>Card Status</i> → <i>Card Reset (A-A-F)</i>
Perform the following tasks only if assigning addresses statically			
	3. Create static routes to end-system users on each DSL card. (See page 16)	(HotWire – DSL) Static Routes	From the HotWire – DSL menu, select: <i>Configuration</i> → <i>IP Router</i> → <i>Static Routes (A-E-A)</i>
	4. Create default route. (See page 16)	(HotWire – DSL) Static Routes	From the HotWire – DSL menu, select: <i>Configuration</i> → <i>IP Router</i> → <i>Static Routes (A-E-A)</i>
Perform the following task only if assigning addresses dynamically			
	5. Set up DHCP Relay on card to configure IP addresses dynamically. (See page 17)	(HotWire – DSL) DHCP Relay	From the HotWire – DSL menu, select: <i>Configuration</i> → <i>DHCP Relay (A-G)</i>

Assigning IP Addresses to the DSL Cards

Use this procedure to give DSL cards an IP address in each Network Service Provider (NSP) domain supported by the cards.

► Procedure

To assign IP addresses to the DSL cards:

1. Select *Configuration* → *Interfaces* → *IP Network (A-C-B)*.
2. Enter the interface name at the `Input Interface Name:` prompt (e1a).
3. Enter the IP address at the `(nnn.nnn.nnn.nnn)` prompt. This address must be different than the management domain IP address.
4. Enter the subnet mask at the `(nnn.nnn.nnn.nnn)` prompt.
Up to 16 IP addresses and subnet masks can be entered. Enter the IP addresses and subnet masks for each ISP domain supported by the specified DSL card.
5. Press Ctrl-z and save changes.

NOTE:

The `Peer IP Address` and `Route to Peer` fields do not appear with an Ethernet port or on a Model 8540.

Resetting the DSL Card

After configuring the DSL cards (IP address has been added or changed), reset the card to enable the new configuration changes.

► Procedure

To reset the DSL card:

1. Type Ctrl-t or Ctrl-a to go to the HotWire DSL menu.
2. Select *Card Selection*.
3. Enter **MCC**.
4. Select *Configuration* → *DSL Cards* → *Reset Slot (A-G-B)*.
5. Enter **DSLnn**, where *nn* is the slot number for the DSL card you just configured.
6. Enter **Y** at the prompt to confirm.

If you have entered yes, verify that the LEDs on the DSL card go through the reset sequence once, and then a second time after approximately 15–20 seconds.

Creating Default Routes or Source Routes on the DSL

Use this procedure to create a default route or source route for each DSL card.

► Procedure

To create the default route:

1. Select *Configuration* → *IP Router* → *Static Routes (A-E-A)*.
2. Enter **0** or press Return at the *Item Number* prompt.
3. To create a default route, enter **0.0.0.0** at the *Destination* prompt.
4. To create a static route, enter the source route address at the *Destination* prompt.
5. Press Return at the subnet (*nnn.nnn.nnn.nnn*) prompt.
6. To create a static or destination route, enter the IP address of the default route at the *Next Hop IP Address (nnn.nnn.nnn.nnn)* prompt. (Prompt is *Next Hop IP Address (nnn.nnn.nnn.nnn)* or *Port Name* on the Model 8540.)

NOTE:

If you are using *Port Name* on the Model 8540, the subnet mask is **255.255.255.255**.

7. To create a source route, enter the IP address of the source route at the *Next Hop IP Address (nnn.nnn.nnn.nnn)* prompt.
8. Enter **1** at the *Input Number* prompt.
9. Press Return at the *PA* prompt (Default = No).
10. Confirm the save and press Ctrl-z.

Creating the DHCP Relay Agent

Use this procedure to provide dynamic Service Domain IP address allocation to the end stations attached to the DSL RTUs.

► Procedure

To create the DHCP relay agent:

1. Select *Configuration* → *Interfaces* → *IP Network (A-C-B)*.
Make certain that the Gateway address used in relaying DHCP requests is configured as an *e1a* address on the IP Network screen.
2. Select *Configuration* → *DHCP Relay* → *Domain Names (A-G-A)*.
3. Enter the ISP Domain Name and press Return.
4. Press Ctrl-z and confirm the save.
5. Select *Configuration* → *DHCP Relay* → *Servers 1–8 or 9–16 (A-G-B or C)*.
6. Enter the DHCP Server IP address for this domain at the (*nnn . nnn . nnn . nnn*) prompt.
7. Enter the Authentication Server IP addresss (optional) for this domain at the (*nnn . nnn . nnn . nnn*) prompt.

NOTE:

If authentication is to be used, additional configuration steps must be taken on the authentication server.

8. Enter the RADIUS secret (optional – up to 16 numeric characters).
9. Enter the Authentication Type. If you want to:
 - Not perform an authentication, enter **N** (none).
 - Forward a message to a RADIUS server to confirm the location of the user before forwarding to a DHCP server, enter **R** (RADIUS).
 - Forward a message to a XTACACS server to confirm the location of the user before forwarding to a DHCP server, enter **T** (XTACACS).
10. Enter the Authentication Wait Time (optional – default = 5 seconds).
11. Enter the Number of Authentication Attempts (optional – default = 2).
12. Enter **E** (enable) or **D** (disable) to turn on or off dynamic access control security.
13. Enter the Default Domain for each port.

Configuring the RTU

The RTU endpoint must be identified for each DSL port on Models 8540 and 8546. Select *Configuration* → *RTU Config (A-H)*. Then, select and save the RTU model for each port.

5100 Series

The 5170 and 5171 RTU configuration is supplied by a windows-based diagnostics utility.

5200 Series

The 5246 and the 5216 RTUs do not require any configuration for the end-user system.

5400 Series

The 5446 RTU has an IP configuration table. There must be three entries in the IP configuration table:

- **NAP address.** This address is automatically injected into the 5446 RTU's IP configuration table across the DSL link from a properly configured DSLAM.
- **Host address.** This is the IP address of the end-user system connected to the 5446 RTU. This address could be the same IP address configured for the DSL port card or this address could be a subnet address.
- **Service domain address.** This is the IP address for the 5446 RTU in the Service Provider domain (NSP).

The 5446 RTU IP configuration table is updated through an SNMP agent.

Three methods are available to update the 5446 RTU IP configuration table:

- Install Paradyne's 5446 RTU IP Injection Tool, which is available on the Paradyne World Wide Web site at <http://www.paradyne.com>. The 5446 RTU IP Injection Tool can be loaded on a PC with a Windows 95 or a Windows NT 4.0 platform. The PC must be connected to the management interface for the MCC card (e1a).
Select: *Service & Support* → *MIBs* → *HotWire DSL* → *ipinject.exe*
- Utilize Paradyne's NMS DEC Manager. The *pdndce.mib* is included.
- Use a MIB Browser. From an SNMP workstation, access the Paradyne World Wide Web site at <http://www.paradyne.com>.
Select: *Service & Support* → *MIBs* → *HotWire DSL* → *pdndce.mib*

Setting Up SNMP Features

Use the following procedures when setting up SNMP.

MCC SNMP Community Strings and Authentication Failure Trap

► Procedure

1. From the MCC Main Menu, select *Configuration* → *SNMP* → *Communities/Traps* (A-F-C).
2. Enter Read Only community string name(s).
3. Enter Read Write community string name(s).
4. If desired, enable the Authentication Failure Trap.
5. Enter the IP address or addresses of the NMS manager(s).

Management System Source Validation for MCC

While optional, it is recommended, for additional security, that source validation is enabled.

► Procedure

1. From the MCC Main Menu, select *Configuration* → *SNMP* → *Security* (A-F-A).
2. Enable IP address security validation.
3. Enter the IP address of up to five NMS managers that will be permitted access to the MCC card.
4. Enter access permission to be granted to each NMS system (ReadOnly(ro)/Read/Write(rw)?NoAccess(na)).

Management System Source Validation for DSL Cards

► Procedure

1. From the DSL Main Menu, select *Configuration* → *SNMP* → *Security* (A-F-A).
2. Enable IP address security validation.
 Each card does not have to have the same set of managers.
3. Enter the IP addresses of up to five NMS managers that will permitted access to this DSL card.
4. Enter access permission to be granted each NMS system (ReadOnly(ro)/Read/Write(rw)/NoAccess(na)).

DSL SNMP Community Strings and Authentication Failure Trap

► Procedure

1. From the DSL Main Menu, select *Configuration* → *SNMP* → *Communities/Traps* (**A-F-C**).
2. Enter Read Only community string name(s).
3. Enter Read/Write community string name(s).
4. If desired, enable the Authentication Failure trap.

Enable DSL Port Traps

► Procedure

1. From the DSL Main Menu, select *Configuration* → *Ports* → *DSL Ports* (**A-B-B**).
2. Select a DSL port.
3. If desired, enter a value for the Margin Threshold.
4. If desired, enter a value for the Link Down Count Threshold.
5. If desired, enter a value for the Error Rate (minute) Threshold.
6. If desired, enter a value for the Error Rate (hour) Threshold.
7. Reset the port.

See the *User's Guide* for a description of threshold trap operation.

Setting Up User Accounts on the MCC and DSL Cards

Overview

User accounts provide security for the DSLAM by requiring that anyone who is trying to log onto the system has a valid password to gain access. User accounts on the MCC provide security to users accessing the system from the VT100-compatible terminal interface and via Telnet over the management domain LAN.

It is recommended that user accounts also be set up for each DSL card, even if you do not intend to telnet directly to the DSL cards, so that no unauthorized telnet sessions can be made. Each card will support up to 10 user accounts with either Operator (read only) or Administrator (read/write) permissions

MCC User Accounts (For Telnet Terminal Access to MCC Card)

Use the following procedure when configuring MCC user accounts.

► Procedure

1. From the MCC Main Menu, select *Configuration* → *Users* → *Accounts (A-D-A)*.
2. Enter the login name (up to 15 characters). This field is case sensitive.
3. Enter the password for this account (up to 15 characters). This field is case sensitive.
4. Re-enter the password
5. Enter the privilege level (operator for read-only access, administrator for read/write access).
6. Enter **Y** to save changes and Ctrl-z to return to the HotWire Chassis Main Menu tree.

Reboot Card (MCC)

Use the following procedure to reboot MCC card after changes have been made.

► Procedure

1. From the MCC Main Menu, select *Configuration* → *Card Status* → *Card Reset (A-A-F)*.
2. Enter the password for this account (up to 15 characters). This field is case sensitive.
3. Enter **Y** at the yes/no prompt.
4. At the initial screen display after reboot, press Return.
5. To verify that a DSLAM system account has been setup, at the prompt:
 - Enter Operator ID
 - Enter Operator Password
6. The HotWire Chassis Main Menu is displayed.

DSL User Accounts

Use the following procedure when configuring DSL user accounts (if telneting directly to the DSL card).

► Procedure

1. From the DSL Main Menu, select *Configuration* → *Users* → *Accounts (A-D-A)*.
2. Enter the login name (up to 15 characters). This field is case sensitive.
3. Enter the password for this account (up to 15 characters). This field is case sensitive
4. Re-enter the password.
5. Enter the privilege level (operator for read-only access, administrator for read/write access).
6. Enter **Y** to save changes and Ctrl-z to return to the HotWire Chassis Main Menu tree.

Reboot Card (DSL)

Use the following procedure to reboot DSL cards after changes have been made.

► Procedure

1. At the Card Selection screen, enter **DSLnn**.
2. From the DSL Main Menu, select *Configuration* → *Card Status* → *Card Reset (A-A-F)*.
3. Enter **Y** at the yes/no prompt.
4. After reboot, enter MCC at the Card Selection screen
5. To verify that a DSL card account has been set up, select *Applications* → *Telnet (C-C)*
6. Enter the IP Address of Ethernet card and verify that you can telnet there.
7. Enter Operator ID.
8. Enter Operator Password.
9. The DSL Main Menu is displayed.

Warranty, Sales, and Service Information

Contact your sales or service representative directly for any help needed. For additional information concerning warranty, sales, service, repair, installation, documentation, or training, use one of the following methods:

- **Via the Internet:** Visit the Paradyne World Wide Web site at <http://www.paradyne.com>
- **Via Telephone:** Call our automated call system to receive current information via fax or to speak with a company representative.
 - Within the U.S.A., call 1-800-870-2221
 - International, call 813-530-2340



8000-A2-GB24-00