



## Hotwire™ DSLAM for 8540 and 8546 DSL Cards Firmware Release 2.0

### Errata

Document Number 8000-A2-GK44-00

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This document contains information about the user documentation. Keep this document with your Hotwire™ DSLAM for 8540 and 8546 DSL Cards documentation.

This information applies to the following documents:

- *Hotwire DSLAM for 8540 and 8546 DSL Cards User's Guide* (Document No. 8000-A2-GB20-30)
- *Hotwire DSLAM for 8540 and 8546 DSL Cards Network Configuration Guide* (Document No. 8000-A2-GB21-30)
- *Hotwire DSLAM for 8540 and 8546 DSL Cards Startup Instructions* (Document No. 8000-A2-GB24-10)

## New Features

The new features in this release are as follows:

- DSL Card and Endpoint Firmware Download
- Dual DHCP/Authentication Servers
- New CAP Release with new RADSL speeds
- MIB change to support "xdsIDevIfConfigSNTxPowerAttenuation" object in hot\_xDSL MIB

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## Firmware Version

The hardware revision information appears on the bottom right side of the screen. (The revision number is a shortened version of the full part number.)

Use Table 1 to verify that you are downloading the proper firmware version for your hardware platform.

**Table 1. Hardware Revision**

<b>If you have this card type . . .</b>	<b>And this hardware revision . . .</b>	<b>You should download this firmware revision . . .</b>
MCC	1010-80A	Contact your sales or service representative.
MCC (expanded memory)	1010-81A	02.01.21
DSL (8546)	1004-80A	02.01.21
<b>NOTE:</b> Combinations of firmware and hardware not specifically identified in the table above are not supported.		

In January and February, some MCC cards may have been shipped with incorrect hardware revision information. If you received the MCC card during this period, check the label on the back of the MCC card for the actual hardware revision and refer to Table 2.

**Table 2. Circuit Card Assembly (CCA) Number**

<b>If you have this card type . . .</b>	<b>And this CCA number . . .</b>	<b>You should download this firmware revision . . .</b>
MCC	868-1010-8001	Contact your sales or service representative.
MCC (expanded memory)	868-1010-81xx*	02.01.21
*xx = 01 or 02.		

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## RTU Information

### 5446 RTU Upgrade

When the RTU is being upgraded, no user data can be transmitted upstream or downstream. Use the following procedure to set filters to ensure that data is not being transmitted.

#### Enabling the Filter

##### ► Procedure

1. On the DSL card, select *Configuration* → *IP Router* → *IP Router Filters (A-E-C)*
2. Enter **0** at the **Input Number:** prompt.
3. Enter **E** at the **Action: (Add/Delete/Edit):** prompt.
4. Enter the filter name at the **Enter Filter Name:** prompt.
5. Enter **discard (d)** at the **discard/forward:** prompt.
6. Enter the MCC's s1b address at the **(nnn.nnn.nnn.nnn):** prompt.
7. Enter **255.255.255.255** at the **(nnn.nnn.nnn.nnn) Enter 0.0.0.0. to Ignore:** prompt.
8. Press Ctrl-z and enter **yes (y)** to save your changes.

#### Selecting the Interface

##### ► Procedure

1. Select *Configuration* → *Interfaces* → *IP Network (A-C-B)*.
2. Enter interface (s1c, s1d, s1e, or s1f) at the **Input Interface Name:** prompt.
3. Enter the output filter name from step 4 at the **Output Filter Name (blank to disable filtering):** prompt.
4. Press Ctrl-z and enter **yes (y)** to save your changes.
5. Download your endpoint.

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## Removing the Filter

### ► Procedure

1. Select *Configuration* → *Interfaces* → *IP Network (A-C-B)*.
2. Enter interface (s1c, s1d, s1e, or s1f) at the **Input Interface Name:** prompt.
3. Enter a space and press Return to delete your entry at the Output Filter field.
4. Press Ctrl-z and enter **yes (y)** to save your changes.

## 5446 RTU Configuration

The 5446 RTU cannot currently be configured from the 8546 card. An SNMP Manager or the IP Injection Tool should be used to configure the 5446 RTU. The IP Injection Tool is available by accessing <http://www.paradyne.com>. Select:

*Service & Support* → *MIBs* → *Hotwire DSL* → *ipinject.exe*

The procedure for using the IP Injection Tool is documented in Appendix E, *5446 RTU Setup*, of the *Hotwire DSLAM for 8540 and 8546 DSL Cards User's Guide*.

## 5546 RTU Support

The 5546 RTU is not yet available and therefore not supported.

## Line Performance

This release includes DSL line performance improvements. These improvements provide increased reach in the presence of bridge taps for previously available speeds, as well as the capability to provide service over loops 2000 feet (26 AWG) longer than before, with the introduction of the new 136 Kbaud downstream speeds.

Loops in a rate adaptive mode that will train at a 136 Kbaud downstream will typically train at 816 kbps or lower upstream. However, should a pairing of 136 Kbaud downstream speed and 1088 kbps upstream occur, it is recommended that the system be reconfigured for a maximum upstream rate of 952 kbps.

### **NOTE:**

The 768 downstream speed is not yet available and therefore not supported.

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## Logical Entities Screen on the Hotwire DSL SNMP Menu

When identifying a community string for the DSL card through the Logical Entities screen, make certain that the information matches the community strings as configured on the DSL cards. If only the DSL card is set, the community string that the MCC card has in its entity MIB will not match.

The Logical Entities screen accessed from the SNMP menu (**A-F-B** or **C**)

*Configuration → SNMP → Logical Entities*

will be removed in the next release.