

TOTAL CONTROL™

**Dual T1/PRI Card
Dual T1 NIC
Version 1.5**

RELEASE NOTES

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8100 North McCormick Blvd.
Skokie, IL 60076-2999
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About these Notes

Release 1.5 of the Dual T1/PRI Network Application Card (NAC) and the T1 Network Interface Card (NIC) supports ISDN Primary Rate Interface (PRI) call routing protocols. The following features are new in this release:

- ◆ Digital Incoming Call Support (Sync PPP, V.110, V.120)
- ◆ Multiple PRI Card Configuration Support
- ◆ Single-sided Modem Support

Minimum Compatible Release Levels

In order to support the new features for release 1.5, the minimum compatible release levels shown in Table 1-1 must be met or exceeded.

Table 1-1. Minimum Compatible Release Levels

System Entity	Minimum Release Level
Quad V.34 Analog/Digital Modem	Version 3.1
Single-sided Quad V.34 Analog/Digital Modem	Version 3.6
Network Management Card	Version 4.1
Total Control Manager/SNMP	Version 4.1

For More Information

This Release Notes document is intended to point out new features, as well as revisions and enhancements to existing features. This document should be used in conjunction with the manuals in the Total Control Reference Library. The manuals in the library are updated for major releases only (version 2.0, version 3.0, etc.). Interim releases are documented solely by Release Notes. If you would like to obtain a copy of the manuals in the Total Control Reference Library, contact a U.S. Robotics sales representative, or download them in Adobe Portable Data Format from the U.S. Robotics BBS.

The information listed below is available in the Total Control directory (#15) on the U.S. Robotics BBS (847-982-5092) and Internet ftp site (<ftp.usr.com/dl15>). You may use anonymous ftp to download the files. All the files are available in Adobe Acrobat Portable Data Format (*.PDF).

- ◆ Regularly updated MIBs
This information is provided in ASCII text (*.MIB).
- ◆ Application Notes
- ◆ Technical Bulletins
- ◆ Reference Manuals
- ◆ Release Notes

A Note about PDF Files

Files in Adobe Acrobat *.PDF format may be downloaded easily. The Acrobat Reader program is required to view the Acrobat files. Adobe provides free Reader software (DOS, Windows, Macintosh, and UNIX versions are available) at both an Internet ftp site (under the directory <ftp.adobe.com/pub/adobe/Applications/Acrobat>) and their World Wide Web Home Page (<http://www.adobe.com/>).

U.S. Robotics also provides Acrobat Reader software on its BBS in the MISC directory. Simply download the Reader software and install it on the computer, launch the program, and open the *.PDF document file.

New Version 1.5 T1/PRI Features

Digital Incoming Call Support

The Dual T1/PRI NAC version 1.5 supports digital incoming calls based on the Sync PPP, V.110 and V.120 protocols. Each of these protocols is described as follows:

Sync PPP	Protocol, used primarily in the United States, that defines a fixed rate method for transmitting packets over serial, point-to-point links.
V.110	Protocol, used primarily in Europe and Japan, that defines the ISDN Data Terminal Equipment (DTE) specifications.
V.120	Protocol, used primarily in the United States, that defines the ISDN Data Terminal Equipment (DTE) specifications.

Inbound Call Configuration Menu

Connecting a VT100 terminal, or a PC using a terminal emulation program, to the RS-232 Operator Interface port on the Dual T1 NIC allows an operator to configure and manage the Dual T1/PRI NAC using menu-driven screens. Once the PC or terminal is connected, press the Return key to display the Operator Interface Main Menu.

<p>Note: A remote operator configures the T1/PRI NAC by dialing into a modem connected to the RS-232 Operator Interface. Once the modems are connected, pressing the Return key displays the following Main Menu on the remote terminal screen.</p>
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Dual T1/PRI Application Card Revision 1.5.0
Boot Code Linked Date:      Mon Dec 04 17:41:48 1995
Operation Code Linked Date: Sun Mar 10 16:24:40 1996
Main Menu
1 Command
2 Status
3 Card Configuration
4 Inbound Call Routing Configuration
5 Span Line 1 Configuration
6 Span Line 2 Configuration
7 SW Fault Manager Event Logging

Enter menu selection and press Return.
Menu Selection (1-7):
```

To select an option from the Main Menu, type the number of the desired selection, and press Return. At any point within the menu structure, press Esc to return to the previous menu.

Multiple PRI Card Configuration Support

The Total Control Chassis now allows for the support of multiple Dual T1/PRI Card configurations. The chassis allows for support of two Dual T1/PRI Cards, which are located in slots one and two. A total of 92 B-channels are supported. As a result, the Dual T1/PRI version 1.5 firmware has been revised to support the chassis.

Single-sided Modem Support

The Total Control Chassis now allows for the support of single-sided modems. The chassis allows for support of up to five Dual T1/PRI Cards in slots one through five. As a result, the Dual E1/PRI version 1.5 firmware has been revised to support the chassis.

