rent of the second of the seco

User Guide

Freedom Box 200CTM Wireless Ruggedized Modem

For Windows 2000 and XP





Warning: You must install the modem software before inserting the FB200C modem.

Notice: Restricted Proprietary Information

© Copyright Novatel Wireless Inc. (2003)



The information contained in this document is the exclusive property of Novatel Wireless Inc. All rights reserved. Unauthorized reproduction of this manual in any form without the expressed written approval of Novatel Wireless Inc. is strictly prohibited. This manual may not, in whole or in part, be copied, reproduced, translated, or reduced to any electronic or magnetic storage medium without the written consent of a duly authorized officer of Novatel Wireless Inc.

The information contained in this document is subject to change without notice and should not be construed as a commitment by Novatel Wireless Inc. unless such commitment is expressly given in a covering document.

Novatel Wireless Inc. makes no warranties, either expressed or implied, regarding this document, its merchantability, or its fitness, for any particular purpose.

Microsoft[®] and *Windows*[®] are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. All other brand names and product names used in this document are trade names, service marks, trademarks, or registered trademarks of their respective owners.

The Novatel Wireless logo and Freedom Box 200C are trademarks of Novatel Wireless, Inc.

Produced in the USA.



Table of Contents

Table of Contents

Technical Support

Safety and Regulatory Notices	 3
Regulatory Notices	3
Technical Support	3
System Requirements	 ŝ
oyotein requiremento	 '

FB200C Overview and Installation	5
FB200C front panel	5
FB200C Rear Panel	6
Connecting the power cable	7

Installing the Wireless Connection Manager Software on Windows9

	10
Disconnecting From the Network	. 17
Quitting the Wireless Connection Manager Application	. 17
System Tray Icons	. 18

Getting to Know the Wireless Connection Manager for Windows 19

The Wireless Connection Manager Main Window	
The Modem Configuration Window	
The Modem Properties Window	
The Detailed Status Report Window	
The About Wireless Connection Manager Window	
Additional Menu Commands	

Troubleshooting

Troubleshooting a Connection Failure	
Error Messages	
Frequently Asked Questions	

dex



This Page Intentionally Left Blank

Technical Support

Safety and Regulatory Notices

This product is not to be used in any environment where radio frequency equipment is prohibited or restricted in its use. To ensure that your modem is deactivated you should remove it from your computer under the above conditions.

Regulatory Notices

Federal Communications Commission Radio Frequency Interference Statement

This equipment has been certified to comply within the limits of a class B digital device pursuant to part 15 and 24 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential situations. This equipment generates, uses, and can radiate radio frequency energy, and, if not properly installed and used in accordance with the instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment on and off. You are encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna of the television, radio or cordless telephone.

- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for additional suggestions.

Technical Support

If you have any questions or comments about your FB200C, please contact the Novatel Wireless Inc. Customer Support team.

WWW: http://www.novatelwireless.com/support/index.html

Email: support@novatelwireless.com

Phone: 1 (888) 888-9231

System Requirements

The following items are required to set up and use your FB200C modem:

- Pentium 90 processor or higher.
- Windows 2000 or XP
 - 64MB RAM
- 16MB hard drive space.



- CD-ROM drive.
- the Wireless Connection Manager software, included with your FB200C modem, and
- a user account, including a User Name and Password, from a network carrier with PCS CDMA 1X service.

To purchase a user account, please contact network carrier. For a list of network service provider please email Novatel Wireless at support@novatelwireless.com or call 1 (888) 888-9231.



FB200C Overview and Installation

This section provides an overview of the modem box and installation instructions.

FB200C front panel

The FB200C front panel has power, service, and data status indicators and a reset button as shown on Figure 1.



Figure 1 FB200C Front Panel

Indicator/Button	Function
Reset	Reset button for the FB200C.
Power	The power LED indicates power is on when lit.
Service	The service LED indicates that the FB200C has acquired network service.
Data	The data LED indicates data activity between the FB200C and the host computer.



FB200C Rear Panel

The rear panel of the FB200C is where the power, communication port, and antenna cables are connected. This is shown in Figure 2.



Figure 2 FB200C Rear Panel

Connector	Description
12V DC	Power cable plugs into this connector. The input supply should be between 10 to 18 Volts DC.
Serial	RS232 connector for modem main port. When using this port, the modem acts as a AT modem. The Serial port is disconnected when an active USB port is connected.
USB	USB modem port. When using the USB port, the host computer will have additional modem status information not available when using the serial connector. USB must be used when using Windows Connection Manager.
Antenna	TNC antennae connector for external mount antennae.



Connecting the power cable

The FB200C comes supplied with a power cable as illustrated in Figure 3.



Figure 3 Power cable

Wire Color	Functionality
Green	This wire is the positive terminal for the modem. The modem is designed to be always on when power is applied. Connect the green wire to vehicle IGN (IGNI-TION) if you only want the modem on when vehicle is on. Connect the green wire to an always on fuse protected circuit connection to have modem always on.
Black	Ground





Installing the Wireless Connection Manager Software on Windows

This section guides you step-by-step through the Wireless Connection Manager for Windows installation procedure.

Once you have completed the set up and installation process, you will be able to use your FB200C Modem with your Internet applications.

Warning: This application is only supported by Windows 2000 and XP

To install the Wireless Connection Manager onto your laptop or notebook computer:

- 1. Insert the Installation CD into the CD-ROM drive of your desktop computer. Run the installation program **WirelessConnectionManagerVx.xx.exe**.
- 2. Follow the instructions displayed on screen to begin installing the Wireless Connection Manager software. The **Welcome** window will appear, shown in Figure 1.



Figure 1 Welcome Window



- 3. Read the information displayed on screen and click **Next** to continue. The Novatel Wireless **License Agreement** will appear.
- 4. Read the agreement and select I read and agree to the above terms.
- 5. Click **Next** to continue. The **Start Copying Files** window will appear, shown in Figure 2.



Figure 2 Start Copying Files Window



6. If you would like to review or change an installation setting, click **Back**. If you are satisfied with the installation settings click **Next** to continue. The **Installation Complete** window will appear, shown in Figure 3.



Figure 3 Installation Complete Window

7. Click **Finish** to exit the Installation program. The **Install** window will appear, shown in Figure 4.

Install	×
This system must be restarted to complete the installation. Click the OK button to restart this computer. Press Cancel to return to Windows without restarting.	
Cancel	

Figure 4 Install Window

- 8. Click **OK** to restart your computer.
- 9. Once your computer has rebooted, make sure the modem is powered on by checking to make sure the **Power** indicator is ON. Connect the FB200C's USB cable into the computer's USB port. Windows will automatically detect and install the necessary modem drivers in order to operate the FB200C modem.
- 10. When Windows has finished installing the FB200C modem drivers, you can access the Wireless Connection Manager by double-clicking on the shortcut icon that has been placed on your computer's desktop.



Uninstalling the Wireless Connection Manager Software

To uninstall the Wireless Connection Manager application, select **Start -> Programs -> Novatel Wireless -> Wireless Connection Manager -> Wireless Connection Manager Uninstall**. The Uninstall wizard will open, and guide you through removing the Wireless Connection Manager program from your computer or by using the Windows Control panel and selecting "Add or Remove Programs".



Getting Started With the Wireless Connection Manager

The Wireless Connection Manager application allows you to monitor and control the operation of your FB200C modem.

This section explains the basic steps required to operate the Wireless Connection Manager for Windows.

Connecting to the Network

In order to use your Internet applications, your modem must first establish a network connection.

To connect to the network:

- 1. Launch the Wireless Connection Manager application by double-clicking the **Wireless Connection Manager** icon, located on your desktop.
- 2. From the Wireless Connection Manager **Main** window, click **Connect**. See Figure 1.

😑 Wireless Modem M	lanager	<u>_ </u>
File Tools Window	Help	
Connection Status		
Duration	00:00:00	
Total Bytes Sent	0	<u>C</u> onnect
Total Bytes Received	I 0	
Signal Strength		
		NOVATEL WIRELESS.
http://w	ww.novatelwire	eless.com
Ready		D 🚱

Figure 1 Wireless Connection Manager Main Window



3. If this is the first time you have attempted to connect to the network, the Wireless Connection Manager will walk you through the 5 step activation process. See Figure 2.



Figure 2 Welcome Message

4. Click Next. The Activation Information window will appear, as shown in Figure 3.



Figure 3 Activation Information Window



5. Click Next. When the enterprise administrator provides you with the activation code, enter the number as indicated in Figure 4.

Card Activation - Step 3 of 5	×
When the Carrier Customer Care Advocate asks for the Electronic Serial Number (ESN), please provide the following number:	
00000001	
When the Carrier Customer Care Advocate provides you with the activation code, please enter the number below:	
< <u>B</u> ack <u>N</u> ext > Cancel	

Figure 4 Activation code window

6. Click Next. Enter the phone number and MSID given by the Customer Solutions Advocate as shown in Figure 5.

😑 Card Activatio	n - Step 4 of 5		×
Please enter t Customer Care	ne phone number given to you by the Advocate:		
Please re-ente	r the phone number for activation:		
	< <u>B</u> ac	sk <u>N</u> ext> C	Cancel

Figure 5 MDN and MSID window



7. Click Next. The FB200C modem is activated properly when you see the successful activation window as shown in Figure 6. Click Finish to close activation window.

-	Card Activation - Step 5 of 5	×	
	Congratulations!!!		
	You have successfully com process. Thank you for usi	pleted the activation ng the Merlin C201 Card.	
	Your Phone Number is	(555) 555-5555	
	Tour new lock code is	3333	
-		< Back. Finish Cancel	

Figure 6 successful activation window

8. The modem's network connection status will be displayed in the **Modem** status bar, highlighted in Figure 7.

🗢 Wireless Modem 🕨	lanager	_ 🗆 🗵
File Tools Window	Help	
Connection Status		
Duration	00:00:21	
Total Bytes Sent	4010	<u>D</u> isconnect
Total Bytes Received	185	
Signal Strength		
		NOVATEL WIRELESS.
http://w	ww.novatelwire	less.com
Connected		8

Figure 7 Modem Status Bar

If the modem is unable to connect to the network, check the modem's signal strength as displayed in the **Signal Strength** status bar. The greater the number of green bars present, the stronger the signal strength. If the signal strength is poor, try changing your location in order to pick up a stronger signal.



Disconnecting From the Network

To disconnect your modem from the network, click **Disconnect** from the Wireless Connection Manager **Main** window, shown in Figure 8.

😑 Wireless Modem 🛛	lanager	
File Tools Window	Help	
Connection Status		
Duration	00:00:21	
Total Bytes Sent	4010	<u>D</u> isconnect
Total Bytes Received	i 185	
Signal Strength		
_		NOVATEL WIRELESS.
http://w	ww.novatelwird	eless.com
Connected		🖗 Ъ

Figure 8 Disconnect Button

To disconnect from the network and close the Wireless Connection Manager application, click the I located in the top-right corner of the Wireless Connection Manager **Main** window.

Alternately, you can select **Exit** from the **Modem** menu.

Quitting the Wireless Connection Manager Application

To quit the Wireless Connection Manager application, click the 🔟 located in the top-right corner of the **Wireless Connection Manager** main window.

😑 Wireless Modem M	anager	
File Tools Window	Help	
Edit Connection		
Configuration	00:00:00	
Properties	0	Lonnect
Activation	0	
Exit		
		NOVATEL WIRELESS
http://www.novatelwireless.com		
Ready		🖗 🔁

Alternately, you can select $\ensuremath{\text{Exit}}$ from the $\ensuremath{\text{File}}$ menu, shown in Figure 9.

Figure 9 Exit Command



The modem will terminate its network connection, and the Wireless Connection Manager application will shut down.

System Tray Icons

When you launch the Wireless Connection Manager application, a system tray icon will appear in the bottom-right corner of your desktop. These tray icons provide easy access to the Wireless Connection Manager **Main** window and the modem's connection status.

The following icons indicate the modem's connection status:

If this icon is visible, the modem is currently connected to the network.

🛃 - If this icon is visible, the modem is not connected to the network.

If the Wireless Connection Manager window is not visible, double-click the tray icon to open it.

Alternately, you can control the operation of the Wireless Connection Manager by right-clicking the tray icon and selecting an action from the pop-up menu.



Getting to Know the Wireless Connection Manager for Windows

This section introduces the various windows and menu commands that are contained in the Wireless Connection Manager application for Windows.

The Wireless Connection Manager Main Window

When you launch the Wireless Connection Manager application for Windows, the **Main** window will open, shown in Figure 1.

🗢 Wireless Modem Man	ager	<u>_ ×</u>
File Tools Window He	lp	
Connection Status		
Duration	00:00:00	
Total Bytes Sent	0	<u>C</u> onnect
Total Bytes Received	0	
Signal Strength		
		NOVATEL WIRELESS.
http://www	.novatelwire	less.com
Ready		🔊 Ъ

Figure 1 Wireless Connection Manager Main Window

The Wireless Connection Manager main window consists of the following items:

Duration Field	This field indicates how long the modem has been con- nected to the network.
Bytes Sent Field	This field indicates the amount of data (bytes) the modem has sent during the current network session.
Bytes Received Field	This field indicates the amount of data (bytes) the modem has received during the current network session.
Signal Strength Sta- tus Bar	This status bar indicates the modem's signal strength. If adequate signal strength is present, a number of the five bars will be shaded green.
Modem Status Bar	This status bar displays the modem's network connec- tion status.



The Modem Configuration Window

To access the **Modem Configuration** window, shown in Figure 2, select **Configuration** from the **Modem** menu.

Merlin C201 Card Configuration		
Network Service	Current System Time	
Automatic	06:03 PM	
Receive Next Call As	Current CDMA Time	
Data Only 💌	00:10 AM	
Device Lock Option	Preferences	
● Lock C Unlock	☑ Show Connection Properties	
Set Lock Code	☑ Enable Sound Alerts	
<u>[</u> K]	<u>C</u> ancel	

Figure 2 Modem Configuration Window

The following fields are displayed in the **Modem Configuration** window:

Network Service Field	This value directs the modem to attempt to connect only with your service provide's network. This is a read-only field and cannot be altered.
Receive Next Call As Field	Data Only - This value directs the modem to receive the next call as packet data only. This is a read-only field and cannot be altered.
Current System Time Field	This field displays the current system time as displayed on your computer's desktop.
Current CDMA Time Field	This field displays the time as indicated by the CDMA base station.
Show Connection Properties While Con- necting Check Box	Select this check box if you wish to see the Connection Properties window the next time you attempt to connect to the network.

The Modem Properties Window

To access the Modem Properties window, select Properties from the Modem menu

Merlin C201 Card Pr	operties
NOVATEL WIRELESS	Connection Card
User Name	user@carrier.com
Phone Number	(555) 555-5555
ESN (HEX)	00 <mark>000001</mark>
PRL Version	0
Firmware Version	1058
Hardware ID	N/A
Modem Type	Freedom Box Wireless Connection Modem
Manufacturer	Novatel Wireless Inc.
	OK.

Figure 3 Modem Properties Window

The information contained in this window is useful for Customer Support in diagnosing problems you may experience while using your modem.



The following fields are contained in the Modem Properties window:

User Name	This field displays your network user name.
Mobile Identification Number	This field displays your modem's Mobile Identification Number. This number is used by the CDMA base station to identify your modem.
ESN (HEX)	This field displays your modem's Electronic Serial Num- ber (ESN). The ESN is a unique number given to each modem as a means of identification.
PRL Version	This field displays your modem's Preferred Roaming List (PRL) version. The PRL is a list of networks your modem would prefer to connect with.
Firmware Version	This field displays the firmware version your modem uses.
Hardware Version	This field displays the hardware version your modem uses.
Modem Type	This field displays the type of modem core your modem uses.
Manufacturer	This field displays the name of the firmware manufactur- ing company.



The Detailed Status Report Window

To access the **Detailed Status Report** window, select **Detailed Status Report** from the **Tools** menu.

The Detailed Status Report window contains two tabs; the General and History tabs.

Detailed Status Report	? 🔀
General History	1
Ready	
Total Bytes Transferred Total Bytes Sent Total Bytes Received Date Total Bytes Were Last Cleared	106914 20537 86377
	OK

Figure 4 General Tab

The General tab, shown in Figure 4, is displayed by default and contains the following items:

Modem Status Bar	This status bar displays the modem's network connec- tion status.
Total Bytes Trans- ferred Field	This field displays the total number of bytes, both sent and received, during the current network session.
Bytes Sent Field	This field displays the total number of bytes sent, during the current network session.
Bytes Received Field	This field displays the total number of bytes received during the current network session.
Date Byte Totals Were Last Cleared Field	This field displays the date the byte totals were last cleared.



The **History** tab, shown in Figure 5, displays the date, time, and current modem and network session activities. This tab is useful when attempting to diagnose problems with either your modem or network connection.

- Detailed Status Report	? 🗙
General History	1
11/25/2003 09:53 AMNot activated. 11/25/2003 09:53 AMReady 11/25/2003 09:53 AMNot activated. 11/25/2003 09:53 AMReady 11/25/2003 09:53 AMReady 11/25/2003 10:04 AMConnecting 11/25/2003 10:04 AMConnected 11/25/2003 10:04 AMDisconnecting, please wait	
Clear	
	ОК

Figure 5 History Tab

The About Wireless Connection Manager Window

To access the **About Wireless Connection Manager** window, shown in Figure 6, select **About Wireless Connection Manager** from the **Help** menu.

About Wireless Conn	ection Manager 🛛 🛛 🔀
NOVATEL WIRELESS	Wireless Connection Manager Version 2.01.01 11/24/2003
© Copyright 2001-2003 Nova	itel Wireless, Inc. All rights reserved.

Figure 6 About Wireless Connection Manager Window

This window contains information about the Wireless Connection Manager application, including:

- The software version
- The date the software was released
- The copyright information

27

Additional Menu Commands

The following menu commands are also available from the Wireless Connection Manager application.

Clear Bytes Command

To clear the modem's total bytes counted, select **Clear Bytes** from the **Tools** menu.

All byte totals counted, either sent or received, by the modem during the current network session will be cleared.

The modem's byte totals are displayed in the **General** tab of the **Detailed Status Report** window, shown in Figure 7.

Detailed Status Report General History	× ?
Ready to Connect Wireless	Internet Service
Default Connection	Wireless Internet Service
Total Bytes Transferred	0
Bytes Sent	0
Bytes Received	0
Date Byte Total Were Last Cleare	d la
	OK

Figure 7 Total Bytes Counter

Always on Top Command

To keep the **Wireless Connection Manager** window on top of all other windows, select **Always on Top** from the **Window** menu, as shown in Figure 8.

🗢 Wireless	Modem Manager		
File Tools	Window Help		
- Connection	 Always on Top Hide When Mini 	mized	
Total Byte	s Sent	0	Connect
Total Byte	s Received	0	
- Signal Stre	ngth		
			NOVATEL WIRELESS.
http://www.novatelwireless.com			
Searching	for network		۵ 📢

Figure 8 Always on Top Command



Note: Click Always on Top a second time to disable this command.

Hide Window Command

To hide the **Wireless Connection Manager** window, select **Hide Window** from the **Window** menu, as shown in Figure 9.

😑 Wireless	Modem Manager		_ 🗆 X
File Tools	Window Help		
Connection	Always on Top		
Duration	Hide When Minim	nized	
Total Byte	s Sent	0	Connect
Total Byte	s Received	0	
- Signal Stre	ngth		
			NOVATEL WIRELESS.
http://www.novatelwireless.com			
Searching	for network		۵ 📢

Figure 9 Hide Window Command

The Wireless Connection Manager window will be minimized to the system tray icon **2**.

Double-click on the icon to re-open the Wireless Connection Manager window.

Wireless Connection Manager Help

To access the online help for the Wireless Connection Manager application, select **Wireless Connection Manager Help** from the **Help** menu, as shown in Figure 10. The application will launch the Wireless Connection Manager online help files.

😑 Wireless Modem N	lanager 📃 🛛 🗙	
File Tools Window	Help	
Connection Status-	Wireless Modem Manager Help F1	
Duration	About Wireless Modem Manager	
Total Bytes Sent	0 Foundar	
Total Bytes Received	0	
Signal Strength		
NOVATEL WIRELESS.		
http://www.novatelwireless.com		
Searching for netwo	ork 🖗 🚨	

Figure 10 Wireless Connection Manager Help Command



Troubleshooting

This section provides solutions to problems you may encounter while using your FB200C Modem on a Windows operating system.

You can contact Novatel Wireless representative at support@novatelwireless.com or 1 (888) 888-9231 for additional information.

Troubleshooting a Connection Failure

If you are unable to establish a network connection, the following suggestions may correct the problem:

- Verify that your FB200C modem is powered on and communication port is connected to the computer.
- If the Wireless Connection Manager cannot communicate with the modem, exit the Wireless Connection Manager application. Reset your FB200C Modem by using a thin pen tip to push the reset button. This resets the modem hardware.
- Check your modem's signal strength (displayed on the Wireless Connection Manager **Main** window). If the signal strength is weak (less than two bars), your modem might be unable to establish a network connection. Try moving to another location in order to pick up a stronger signal.
- Launch the Wireless Connection Manager application and try to connect to the network again.



Error Messages

One of the following messages may be displayed if your modem is unable to register or connect with the Mobile Network.

Message	Solution
Modem Not Responding	This message may appear if you plug your FB200C modem into the USB port and click on the Wireless Connection Manager shortcut icon before your computer has detected the modem. Click OK on the message window and wait between 15-30 seconds before clicking the shortcut icon. If the message appears a second time, unplug and reconnect the USB port to the modem and wait until your computer detects the modem before clicking the Wireless Connection Manager shortcut icon again.
No Service	If this message is displayed, there is no service available at this time. The network could be busy or undergoing maintenance. Try connecting to the network at a later time or moving to another location if you are outside the network's coverage area.
Modem is not present	If this message is displayed, verify that the modem USB cable is plugged in properly. Note: Modem detection is only available when the modem is connected using the USB port.
Modem is already in use	This message indicates the modem port is busy. Verify whether your modem has already established a network connection. If the modem is not currently connected to the network, exit the Wireless Connection Manager program, relaunch the application and try a second time to connect to the network.
Device firmware incompatible	If this message appears, your FB200C modem's firmware is incompatible with your current version of the Wireless Connection Manager software. Please contact Novatel Wireless customer support in order to upgrade your modem's firmware.
There was no answer	If this message appears, try and connect at a later time. If the message appears again, contact your service provider customer support.
The remote access server is not responding	If this message appears, try and connect at a later time or move to a better signal strength location. If you still cannot connect to the network, contact your service provider customer support.
The modem has reported an error	If this message is displayed, reboot your computer and try to connect again. If you are still unable to connect, contact your service provider customer support.



Frequently Asked Questions

Question	Answer
How can I check the quality of my connection?	The Signal Strength status bar, located on the Wireless Connection Manager Main window, indicates the quality of the modem's signal. If two or more bars are shaded green, the modem's signal strength is good. If less than two bars are shaded green, the signal strength is poor and it will be difficult to establish and maintain a network connection.
How do I find out what version of the Wireless Connection Manager software I'm using?	Open the Wireless Connection Manager Main window and select About Wireless Connection Manager from the Help menu. The Wireless Connection Manager software version, release date, and copyright information will be displayed in the About Wireless Connection Manager window.
How do I find out what version of firmware and hardware my modem is using?	Open the Wireless Connection Manager Main window and select Properties from the Modem menu. The modem's firmware and hardware version, as well as the modem type and manufacturer, will be displayed in the Modem Properties window.
I have forgotten my User Name and Password. What do I do?	Call your network service provider customer support.
How can I tell if I have service?	The Wireless Connection Manager indicates whether you have service. The Wireless Connection Manager will indicate if there is no service available in the Modem Status field.
What is an ESN?	An ESN (electronic serial number) is a unique number that identifies your wireless modem to the network. You can check your modem's ESN by selecting Properties from the Modem menu.
Why won't the Wireless Connection Manager recognize my User Name or Password?	Verify that you are entering the correct information in the Connection Properties window. If the Caps Lock feature is activated, turn it off and enter the information again. If the problem persists, call Customer Support of the network service provider to verify you have the correct User Name and Password .



Index

A

About Wireless Connection Manager Window Windows 24 С Connecting to the Network Windows 5, 13 **Connection Failure** Error Messages 28 Troubleshooting 27 D Detailed Status Report Window 23 General Tab 23 History Tab 24 Disconnecting from the Network Windows 6, 17 Ε Error Messages 28 Frequently Asked Questions 29 G General Tab Bytes Received Field 23 Bytes Sent Field 23 Date Byte Totals Were Last Cleared Field 23 Detailed Status Report Window 23 Modem Status Bar 23 Total Bytes Transferred Field 23 Η Help 26 History Tab Detailed Status Report Window 23 Μ Modem Configuration Window Current CDMA Time Field 20 Current System Time Field 20 Network Service Field 20 Receive Next Call As Field 20 Show Connection Properties Check Box 20 Windows 20

Modem Manager About Wireless Connection Manager Window 24 Detailed Status Report Window 23 General Tab 23 History Tab 24 Help 26 Main Window 19 Modem Properties Window 21 Quitting 7, 17 Windows Installation 9 Windows Modem Configuration Window 20 Modem Manager for Windows Starting 13 Modem Manager Main Window Bytes Received Field 19 Bytes Sent Field 19 **Duration Field 19** Modem Status Bar 19 Signal Strength Status Bar 16, 19 Windows 19 Modem Properties Window ESN (HEX) Field 22 Firmware Version Field 22 Hardware Version Field 22 Manufacturer Field 22 Mobile Identification Number 22 Modem Type Field 22 PRL Version Field 22 Windows 21 Ν Network Disconnecting from 6, 17 S Signal Strength Status Bar 16 Software Installation Windows 9 System Tray Icons 18 Т Total Byte Counter 25 Troubleshooting 27 **Connection Failure 27** Error Messages 28 Frequently Asked Questions 29



W

Windows Commands About Wireless Connection Manager 24 Always on Top 25 Clear Total Bytes 25 Configuration 20 Detailed Status Report 23 Exit 17 Hide Window 26 Wireless Connection Manager Help 26 Properties 21