Wireless LAN Adapter

Wireless LAN Adapter

3CRWE62092B 3CRSHPW696

3C0M



http://www.3com.com/ http://www.support.3com.com/registration/frontpg.pl

Published March 2002 User Guide version 1.0.4 SL-1110

3Com Corporation n 5400 Bayfront Plaza n Santa Clara, California n 95052-8145

Copyright © 2002 3Com Corporation. All rights reserved. No part of this documentation may be reproduced in any form or by any means or used to make any derivative work (such as translation, transformation, or adaptation) without written permission from 3Com Corporation.

3Com Corporation reserves the right to revise this documentation and to make changes in content from time to time without obligation on the part of 3Com Corporation to provide notification of such revision or change.

3Com Corporation provides this documentation without warranty, term, or condition of any kind, either implied or expressed, including, but not limited to, the implied warranties, terms or conditions of merchantability, satisfactory quality, and fitness for a particular purpose. 3Com may make improvements or changes in the product(s) and/or the program(s) described in this documentation at any time.

3Com is a registered trademark and the 3Com logo is a trademark of 3Com Corporation. Microsoft and Windows are registered trademarks of Microsoft Corporation. All other company and product names may be trademarks of the respective companies with which they are associated.

Unless otherwise indicated, 3Com registered trademarks are registered in the United States and may or may not be registered in other countries.

If there is any software on removable media described in this documentation, it is furnished under a license agreement included with the product as a separate document or in the hard copy documentation. If you are unable to locate a copy, please contact 3Com and a copy will be provided to you.

UNITED STATES GOVERNMENT LEGEND

If you are a United States government agency, then this documentation and the software described herein are provided to you subject to the following:

All technical data and computer software are commercial in nature and developed solely at private expense. Software is delivered as "Commercial Computer Software" as defined in DFARS 252.227-7014 (June 1995) or as a "commercial item" as defined in FAR 2.101(a) and as such is provided with only such rights as are provided in 3Com's standard commercial license for the Software. Technical data is provided with limited rights only as provided in DFAR 252.227-7015 (Nov 1995) or FAR 52.227-14 (June 1987), whichever is applicable. You agree not to remove or deface any portion of any legend provided on any licensed program or documentation contained in, or delivered to you in conjunction with, this User Guide.



CONTENTS

INSTALLING YOUR WIRELESS LAN PC CARD AND WIRELESS LAN MANAGER

Installation CD 5 Windows XP, 2000, Me, and 98 SE 5 Inserting Your Wireless LAN PC Card 6 Antennas 6 Confirming Device Installation 6 Installing 3Com Wireless LAN Manager 7 Using Wireless LAN Manager 7

TROUBLESHOOTING

Diagnosing Problems 9 Wireless LAN Adapter LED Indicators 10 Uninstalling the PC Card 10 Uninstalling Wireless LAN Manager 11 Updating the Wireless LAN Adapter Driver 11 Windows XP and 2000 11 Windows Me and 98 SE 12

TECHNICAL SUPPORT

Online Technical Services 13 World Wide Web Site 13 3Com Knowledgebase Web Services 13 3Com FTP Site 13 Support from Your Network Supplier 14 Support from 3Com 14 Returning Products for Repair 15

REGULATORY INFORMATION



INSTALLING YOUR WIRELESS LAN PC CARD AND WIRELESS LAN MANAGER

Installation CD The Installation CD contains: Setup programs and drivers for Windows XP, 2000, Millennium Edition (Windows Me), 98 Second Edition (SE), and CE. 3Com Wireless LAN Manager n README.TXT file with updated information about your Wireless LAN PC Card n This Wireless LAN PC Card User Guide Adobe Acrobat Reader Windows XP, 2000, If you are accessing this guide as part of your LAN PC Card installation, skip to step Me, and 98 SE 3 below. 1 With the computer on and Windows running, insert the Installation CD into the CD-ROM drive. The auto-start feature starts the installation. If nothing happens within five seconds, click *Start>Run* and type **d:\setup.exe** (where d: is your CD-ROM drive). 2 From the 3Com Wireless Installer main menu, select Step 1: Read to Install Hardware. **3** Insert the PC Card into the slot (see the illustrations in "Inserting Your Wireless LAN PC Card"). **4** Respond to the prompts as they appear. If you are prompted for the drivers, enter d: where d: is the location of the CD-ROM drive where the Installation CD is inserted. 5 During the installation process, you may receive prompts for the Windows installation CD. Insert the CD for your Windows operating system and indicate the correct path. Your computer will go through a brief installation process during which it will display several windows indicating what is currently installing. **6** Restart the computer whenever you are prompted.

Inserting Your Wireless LAN PC Card

6

If you are using a 3CRSHPW696 or 3CRWE62092B Wireless LAN PC Card, insert it like this:



Antennas The antenna on the 3CRSHPW696 Wireless LAN PC Card is fixed, so you cannot extend or retract it.

Extend or retract the antenna on the 3CRWE62092B Wireless LAN PC Card like a ball-point pen—press it to extend and use it, press it again to retract or disable it.



NOTE: The antenna on the 3CRWE69092B Wireless LAN PC Card must be extended in order for you to connect to your wireless network.



Confirming Device Installation

- 1 With your PC Card installed in the computer, double-click the *My Computer* icon. If you are running Windows XP, click *Start* > *Control Panel* and go to step 3.
- 2 Double-click the *Control Panel* icon.
- **3** Double-click the *System* icon. The System Properties window appears, detailing your system setup.
- 4 Click the *Device Manager* tab. A list of devices appears, arranged by type.

Page 5 of 16

If you are using Windows XP or 2000, click the *Hardware* tab and click *Device Manager*.

- 5 Double-click Network Adapters. One entry appears: 3Com Wireless LAN PC Card.
- **6** Double-click the entry to display a description of the current status. The device status should indicate "This device is working properly."
- 7 Close the windows you have opened until you return to the desktop.

Installing 3Com Wireless LAN Manager

i

NOTE: Wireless LAN Manager defaults to automatically connect to any wireless network and no security. This default allows a basic connection to an access point. After installation, consult with your network administrator and refer to 3Com's Wireless LAN Manager's online help to change the service set identifier (SSID) and security settings.

- 1 If you restarted your maching after installing the Wireless LAN PC Card and the install program did not start automatically, click *Start>Run* and type d:\setup.exe (where d: is your CD-ROM drive).
- **2** From the *Installation CD*, select *Step 2: Install Software* and follow the prompts, removing the *Installation CD* and restarting your computer whenever you are prompted.

If the 3Com icon was not placed in the system tray when you installed the Wireless LAN PC Card, start the 3Com Launcher by selecting *Start* > *Programs* > *3Com Mobile* > *3Com Launcher*.

Using Wireless LANRefer to the 3Com Wireless LAN Manager help for detailed information about
how to use Wireless LAN Manager.

TROUBLESHOOTING



Diagnosing Problems

If you have difficulty using the Wireless LAN Adapter, try the solutions in the following table. If you continue to experience difficulty, see "Uninstalling the PC Card" or "Uninstalling Wireless LAN Manager."

Problem	Solutions
Wireless LAN Adapter LED is off.	Make sure the PC Card is properly inserted in the slot.
	Check the Wireless LAN Adapter icon in the Windows control panel and make sure the PC Card type can be recognized.
Wireless LAN Adapter installs as an unknown device.	The Windows Add Hardware Wizard was unable to locate the Wireless LAN Adapter drivers. You may have had no CD or the wrong CD inserted in the drive, or the 3Com CD may not have been ready when the wizard looked for the drivers.
	Remove the unknown device and repeat the installation procedure. Make sure you insert the 3Com CD when the installation calls for it and that you wait for it to come up to speed in the drive.
Installation program does not finish. The driver fails to load.	A resource conflict may exist. Use the Device Manager to resolve resource conflicts. Select <i>System</i> from the Control Panel, and then click the Device Manager tab.
Network association is intermittent.	If you are using a 3CRWE62092B PC Card, make sure the XJACK antenna attached to the end of the card is extended. Try reorienting the antenna. For best use of the antenna:
	Keep the area around the antenna clear from materials that could block radio transmission, such as metal objects, electronic devices, and cordless telephones.
	ⁿ If the signal is weak, change the direction of the antenna slightly.
	ⁿ If necessary, move your computer a few inches to find a better signal.
Computer operating system does not recognize the card.	If you are using a PC Card, make sure the card is properly inserted in the slot.
	If you are using a PC Card, make sure PCMCIA support is installed.
	Check whether a card is already in use.
	Windows XP, 2000, Me, and 98 SE: Check whether the computer has a Plug-and-Play BIOS.
No network association exists when the computer becomes active again after being in sleep mode or after the Wireless LAN Adapter is removed and reinserted.	Log out and log in again, or restart the computer to restore the connections.

Page 7 of 16

LED indicators Continue Description Off The computer does not recognize the Wireless LAN Adapter. Flashing on and off The Wireless LAN Adapter has power. Flickering Data transfer is taking place. Uninstalling the PC Previous installations or interrupted installation attempts sometimes leave problems that affect card operation. Possible problems include: a Wireless LAN Adapter fails to function. a Operating system does not detect the Wireless LAN Adapter. a System issues a warning tone at start-up. If the installation is unsuccessful, your best course may be to completely uninstal the card and repeat the installation procedure. Image: CAUTION: Exit any networking applications and remove the Wireless LAN Adapter before uninstalling the card. Make sure you have exited any networking applications. Use the standard operating system procedure to remove the card driver. The procedure for Windows 2000, Me, or 98 SE, click Start > Settings > Control Panel. b Double-click the System icon. If you are using Windows XP c2000, dlick the Hardware tab. The System Properties window appears, detailing your system setup. c Click Device Manager. A A ist of devices appears. arranged by type. d Double-click Net	Wireless LAN Adapter		
Off The Computer does not recognize the Writeiss LAN Adapter. Flashing on and off The Writeiss LAN Adapter has power. Pickering Data transfer is taking place. Uninstalling the PC Previous installations or interrupted installation attempts sometimes leave problems that affect card operation. Possible problems include: a Wrieless LAN Adapter fails to function. a Operating system does not detect the Wireless LAN Adapter. a System issues a warning tone at start-up. If the installation is unsuccessful, your best course may be to completely uninstal the card and repeat the installation procedure. Image: CAUTION: Exit any networking applications and remove the Wireless LAN Adapter before uninstalling the card. 1 Make sure you have exited any networking applications. 2 Use the standard operating system procedure to remove the card driver. The procedure for Windows XP 2000, Windows Me, and Windows 98 SE, is shown below. a a If you are using Windows XP 2000, Me, or 98 SE, click Start > Settings > Control Panel. b Double-click the System icon. If you are using Windows XP 2000, Jick the Hardware tab. The System Properties window appears, detailing your system setup. c Click Device Manager. A list of devices appears: 3Com Wireless LA	LED Indicators	Condition	Description
 Pickering Data transfer is taking place. Pickering Data transfer is taking place. Uninstalling the PC Card Previous installations or interrupted installation attempts sometimes leave problems that affect card operation. Possible problems include: Wireless LAN Adapter fails to function. Operating system does not detect the Wireless LAN Adapter. System issues a warning tone at start-up. If the installation is unsuccessful, your best course may be to completely uninstal the card and repeat the installation procedure. CAUTION: Exit any networking applications and remove the Wireless LAN Adapter before uninstalling the card. Make sure you have exited any networking applications. Use the standard operating system procedure to remove the card driver. The procedure for Windows VB 2000, Windows Me, and Windows 98 SE, is shown below. If you are using Windows XP click Start > Control Panel. Double-Click the System icon. If you are using Windows XP or 2000, click the Hardware tab. The System Properties window appears, detailing your system setup. Click Device Manager. A list of devices appears, arranged by type. Double-Click Network Adapters. One entry appears: 3Com Wireless LAN adapter. From the Action menu, select Remove. If you are using Windows XP or 2000, select Uninstall if Click OK. Close the open windows until you return to the desktop. Retract the antenna if you are using the 3CRWE62092B adapter. 		Utt Elashing on and off	The computer does not recognize the Wireless LAN Adapter.
 Uninstalling the PC Card Previous installations or interrupted installation attempts sometimes leave problems that affect card operation. Possible problems include: Wireless LAN Adapter fails to function. Operating system does not detect the Wireless LAN Adapter. System issues a warning tone at start-up. If the installation is unsuccessful, your best course may be to completely uninstal the card and repeat the installation procedure. CAUTION: Exit any networking applications and remove the Wireless LAN Adapter before uninstalling the card. Make sure you have exited any networking applications. Use the standard operating system procedure to remove the card driver. The procedure for Windows XD 2000, Windows Me, and Windows 98 SE, is shown below. If you are using Windows 2000, Me, or 98 SE, click Start > Settings > Control Panel. If you are using Windows 2000, AE, or 98 SE, click Start > Settings > Control Panel. Joule-click the System icon. If you are using Windows XP or 2000, click the Hardware tab. The System Properties window appears, detailing your system setup. Click Device Manager. A list of devices appears, arranged by type. Double-click Network Adapters. One entry appears: 3Com Wireless LAN adapter. From the Action menu, select Remove. If you are using Windows XP or 2000, select Uninstall Click OK. Close the open windows until you return to the desktop. Retract the antenna if you are using the 3CRWE62092B adapter. Remove the adapter. 		Flashing on and on	Data transfer is taking place
 Uninstalling the PC Card Previous installations or interrupted installation attempts sometimes leave problems that affect card operation. Possible problems include: Wireless LAN Adapter fails to function. Operating system does not detect the Wireless LAN Adapter. System issues a warning tone at start-up. If the installation is unsuccessful, your best course may be to completely uninstal the card and repeat the installation procedure. CAUTION: Exit any networking applications and remove the Wireless LAN Adapter before uninstalling the card. Make sure you have exited any networking applications. Use the standard operating system procedure to remove the card driver. The procedure for Windows Xb 2000, Windows Me, and Windows 98 SE, is shown below. If you are using Windows XD 2000, Me, or 98 SE, click Start > Settings > Control Panel. If you are using Windows XP or 2000, click the Hardware tab. The System Properties window appears, detailing your system setup. C Click Device Manager. A list of devices appears: arranged by type. I bouble-click Network Adapters. One entry appears: 3Com Wireless LAN adapter. From the Action menu, select Remove. If you are using Windows XP or 2000, select Uninstall If click OK. Close the open windows until you return to the desktop. 		Thereinig	
 Wireless LAN Adapter fails to function. Operating system does not detect the Wireless LAN Adapter. System issues a warning tone at start-up. If the installation is unsuccessful, your best course may be to completely uninstal the card and repeat the installation procedure. CAUTION: Exit any networking applications and remove the Wireless LAN Adapter before uninstalling the card. Make sure you have exited any networking applications. Use the standard operating system procedure to remove the card driver. The procedure for Windows XP 2000, Windows Me, and Windows 98 SE, is shown below. If you are using Windows 2000, Me, or 98 SE, click Start > Settings > Control Panel. Double-click the System icon. If you are using Windows XP, click Start > Control Panel. Double-click the System icon. If system Properties window appears, detailing your system setup. Click Device Manager. A list of devices appears, arranged by type. Double-click Network Adapters. One entry appears: 3Com Wireless LAN adapter. From the Action menu, select Remove. If you are using Windows XP or 2000, select Uninstall Click OK. Close the open windows until you return to the desktop. Retract the antenna if you are using the 3CRWE62092B adapter. 	Uninstalling the PC Card	Previous installation problems that affec	s or interrupted installation attempts sometimes leave t card operation. Possible problems include:
 Operating system does not detect the Wireless LAN Adapter. System issues a warning tone at start-up. If the installation is unsuccessful, your best course may be to completely uninstal the card and repeat the installation procedure. CAUTION: Exit any networking applications and remove the Wireless LAN Adapter before uninstalling the card. Make sure you have exited any networking applications. Use the standard operating system procedure to remove the card driver. The procedure for Windows XD 2000, Windows Me, and Windows 98 SE, is shown below. If you are using Windows 2000, Me, or 98 SE, click Start > Settings > Control Panel. If you are using Windows XP, click Start > Control Panel. Double-click the System icon. If you are using Windows XP or 2000, click the Hardware tab. The System Properties window appears, detailing your system setup. C Click Device Manager. A list of devices appears, arranged by type. Double-click Network Adapters. One entry appears: 3Com Wireless LAN adapter. From the Action menu, select Remove. If you are using Windows XP or 2000, select Uninstall Click OK. Close the open windows until you return to the desktop. Retract the antenna if you are using the 3CRWE62092B adapter. 		n Wireless LAN Ad	lapter fails to function.
 System issues a warning tone at start-up. If the installation is unsuccessful, your best course may be to completely uninstal the card and repeat the installation procedure. CAUTION: Exit any networking applications and remove the Wireless LAN Adapter before uninstalling the card. Make sure you have exited any networking applications. Use the standard operating system procedure to remove the card driver. The procedure for Windows XP 2000, Windows Me, and Windows 98 SE, is shown below. a If you are using Windows 2000, Me, or 98 SE, click Start > Settings > Control Panel. If you are using Windows XP, click Start > Control Panel. Double-click the System icon. If you are using Windows XP or 2000, click the Hardware tab. The System Properties window appears, detailing your system setup. C Click Device Manager. A list of devices appears, arranged by type. Double-click Network Adapters. One entry appears: 3Com Wireless LAN adapter. From the Action menu, select Remove. If you are using Windows XP or 2000, select Uninstall Click OK. Close the open windows until you return to the desktop. Retract the antenna if you are using the 3CRWE62092B adapter. Remove the adapter. 		ⁿ Operating syster	n does not detect the Wireless LAN Adapter.
 If the installation is unsuccessful, your best course may be to completely uninstal the card and repeat the installation procedure. CAUTION: Exit any networking applications and remove the Wireless LAN Adapter before uninstalling the card. Make sure you have exited any networking applications. Use the standard operating system procedure to remove the card driver. The procedure for Windows XD 2000, Windows Me, and Windows 98 SE, is shown below. If you are using Windows XD 2000, Me, or 98 SE, click Start > Settings > Control Panel. Double-click the System icon. If you are using Windows XP or 2000, click the Hardware tab. The System Properties window appears, detailing your system setup. Click Device Manager. A list of devices appears, arranged by type. Double-click Network Adapters. One entry appears: 3Com Wireless LAN adapter. From the Action menu, select Remove. If you are using Windows XP or 2000, select Uninstall Click OK. Close the open windows until you return to the desktop. Retract the antenna if you are using the 3CRWE62092B adapter. 		ⁿ System issues a	warning tone at start-up.
 CAUTION: Exit any networking applications and remove the Wireless LAN Adapter before uninstalling the card. Make sure you have exited any networking applications. Use the standard operating system procedure to remove the card driver. The procedure for Windows XD 2000, Windows Me, and Windows 98 SE, is shown below. If you are using Windows 2000, Me, or 98 SE, click Start > Settings > Control Panel. If you are using Windows XP, click Start > Control Panel. Double-click the System icon. If you are using Windows XP or 2000, click the Hardware tab. The System Properties window appears, detailing your system setup. Click Device Manager. A list of devices appears, arranged by type. Double-click Network Adapters. One entry appears: 3Com Wireless LAN adapter. From the Action menu, select Remove. If you are using Windows XP or 2000, select Uninstall Click OK. Close the open windows until you return to the desktop. Retract the antenna if you are using the 3CRWE62092B adapter. Remove the adapter. 		If the installation is the card and repeat	unsuccessful, your best course may be to completely uninstall the installation procedure.
 Make sure you have exited any networking applications. Use the standard operating system procedure to remove the card driver. The procedure for Windows XD 2000, Windows Me, and Windows 98 SE, is shown below. a If you are using Windows 2000, Me, or 98 SE, click <i>Start > Settings > Control Panel</i>. b Double-click the <i>System</i> icon. If you are using Windows XP or 2000, click the <i>Hardware</i> tab. The System Properties window appears, detailing your system setup. c Click <i>Device Manager</i>. A list of devices appears, arranged by type. d Double-click <i>Network Adapters</i>. One entry appears: 3Com Wireless LAN adapter. e From the Action menu, select <i>Remove</i>. If you are using Windows XP or 2000, select <i>Uninstall</i>. f Click <i>OK</i>. g Close the open windows until you return to the desktop. Retract the antenna if you are using the 3CRWE62092B adapter. Retract the adapter. 	<u>!</u>	CAUTION: Exit any Adapter before uni	networking applications and remove the Wireless LAN nstalling the card.
 2 Use the standard operating system procedure to remove the card driver. The procedure for Windows XD 2000, Windows Me, and Windows 98 SE, is shown below. a If you are using Windows 2000, Me, or 98 SE, click <i>Start > Settings > Control Panel</i>. If you are using Windows XP, click <i>Start > Control Panel</i>. b Double-click the <i>System</i> icon. If you are using Windows XP or 2000, click the <i>Hardware</i> tab. The System Properties window appears, detailing your system setup. c Click <i>Device Manager</i>. A list of devices appears, arranged by type. d Double-click <i>Network Adapters</i>. One entry appears: 3Com Wireless LAN adapter. e From the Action menu, select <i>Remove</i>. If you are using Windows XP or 2000, select <i>Uninstall</i>	1	Make sure you have	e exited any networking applications.
 The procedure for Windows XP, 2000, Windows Me, and Windows 98 SE, is shown below. a If you are using Windows 2000, Me, or 98 SE, click <i>Start > Settings > Control Panel</i>. If you are using Windows XP, click <i>Start > Control Panel</i>. b Double-click the <i>System</i> icon. If you are using Windows XP or 2000, click the <i>Hardware</i> tab. The System Properties window appears, detailing your system setup. c Click <i>Device Manager</i>. A list of devices appears, arranged by type. d Double-click <i>Network Adapters</i>. One entry appears: 3Com Wireless LAN adapter. e From the Action menu, select <i>Remove</i>. If you are using Windows XP or 2000, select <i>Uninstall</i> f Click <i>OK</i>. g Close the open windows until you return to the desktop. 3 Retract the antenna if you are using the 3CRWE62092B adapter. 	2	Use the standard op	perating system procedure to remove the card driver.
 a If you are using Windows 2000, Me, or 98 SE, click Start > Settings > Control Panel. If you are using Windows XP, click Start > Control Panel. b Double-click the System icon. If you are using Windows XP or 2000, click the Hardware tab. The System Properties window appears, detailing your system setup. c Click Device Manager. A list of devices appears, arranged by type. d Double-click Network Adapters. One entry appears: 3Com Wireless LAN adapter. e From the Action menu, select Remove. If you are using Windows XP or 2000, select Uninstall f Click OK. g Close the open windows until you return to the desktop. 3 Retract the antenna if you are using the 3CRWE62092B adapter. 4 Remove the adapter. 		The procedure for V shown below.	Vindows XP 2000, Windows Me, and Windows 98 SE, is
 If you are using Windows XP, click Start > Control Panel. Double-click the System icon. If you are using Windows XP or 2000, click the Hardware tab. The System Properties window appears, detailing your system setup. C Click Device Manager. A list of devices appears, arranged by type. Double-click Network Adapters. One entry appears: 3Com Wireless LAN adapter. From the Action menu, select Remove. If you are using Windows XP or 2000, select Uninstall Click OK. Close the open windows until you return to the desktop. Retract the antenna if you are using the 3CRWE62092B adapter. Remove the adapter. 		a If you are using <i>Panel</i> .	Windows 2000, Me, or 98 SE, click <i>Start</i> > <i>Settings</i> > <i>Control</i>
 b Double-click the <i>System</i> icon. If you are using Windows XP or 2000, click the <i>Hardware</i> tab. The System Properties window appears, detailing your system setup. c Click <i>Device Manager</i>. A list of devices appears, arranged by type. d Double-click <i>Network Adapters</i>. One entry appears: 3Com Wireless LAN adapter. e From the Action menu, select <i>Remove</i>. If you are using Windows XP or 2000, select <i>Uninstall</i> f Click <i>OK</i>. g Close the open windows until you return to the desktop. 3 Retract the antenna if you are using the 3CRWE62092B adapter. 4 Remove the adapter. 		If you are using '	Windows XP, click Start > Control Panel.
 If you are using Windows XP or 2000, click the <i>Hardware</i> tab. The System Properties window appears, detailing your system setup. c Click <i>Device Manager</i>. A list of devices appears, arranged by type. d Double-click <i>Network Adapters</i>. One entry appears: 3Com Wireless LAN adapter. e From the Action menu, select <i>Remove</i>. If you are using Windows XP or 2000, select <i>Uninstall</i> f Click <i>OK</i>. g Close the open windows until you return to the desktop. 3 Retract the antenna if you are using the 3CRWE62092B adapter. 4 Remove the adapter. 		b Double-click the	System icon.
 The System Properties window appears, detailing your system setup. c Click <i>Device Manager.</i> A list of devices appears, arranged by type. d Double-click <i>Network Adapters.</i> One entry appears: 3Com Wireless LAN adapter. e From the Action menu, select <i>Remove.</i> If you are using Windows XP or 2000, select <i>Uninstall</i>. f Click <i>OK.</i> g Close the open windows until you return to the desktop. 3 Retract the antenna if you are using the 3CRWE62092B adapter. 4 Remove the adapter. 		If you are using	Windows XP or 2000, click the <i>Hardware</i> tab.
 c Click <i>Device Manager.</i> A list of devices appears, arranged by type. d Double-click <i>Network Adapters.</i> One entry appears: 3Com Wireless LAN adapter. e From the Action menu, select <i>Remove.</i> If you are using Windows XP or 2000, select <i>Uninstall</i> f Click <i>OK.</i> g Close the open windows until you return to the desktop. 3 Retract the antenna if you are using the 3CRWE62092B adapter. 4 Remove the adapter. 		The System Prop	erties window appears, detailing your system setup.
 A list of devices appears, arranged by type. d Double-click <i>Network Adapters</i>. One entry appears: 3Com Wireless LAN adapter. e From the Action menu, select <i>Remove</i>. If you are using Windows XP or 2000, select <i>Uninstall</i> f Click <i>OK</i>. g Close the open windows until you return to the desktop. 3 Retract the antenna if you are using the 3CRWE62092B adapter. 4 Remove the adapter. 		c Click Device Mai	nager.
 d Double-click Network Adapters. One entry appears: 3Com Wireless LAN adapter. e From the Action menu, select Remove. If you are using Windows XP or 2000, select Uninstall f Click OK. g Close the open windows until you return to the desktop. 3 Retract the antenna if you are using the 3CRWE62092B adapter. 4 Remove the adapter. 		A list of devices	appears, arranged by type.
 One entry appears: 3Com Wireless LAN adapter. From the Action menu, select <i>Remove</i>. If you are using Windows XP or 2000, select <i>Uninstall</i> f Click <i>OK</i>. g Close the open windows until you return to the desktop. 3 Retract the antenna if you are using the 3CRWE62092B adapter. 4 Remove the adapter. 		d Double-click Net	work Adapters.
 e From the Action menu, select <i>Remove</i>. If you are using Windows XP or 2000, select <i>Uninstall</i> f Click <i>OK</i>. g Close the open windows until you return to the desktop. 3 Retract the antenna if you are using the 3CRWE62092B adapter. 4 Remove the adapter. 5 Destant the 		One entry appea	ars: 3Com Wireless LAN adapter.
 If you are using Windows XP or 2000, select Uninstall f Click OK. g Close the open windows until you return to the desktop. 3 Retract the antenna if you are using the 3CRWE62092B adapter. 4 Remove the adapter. 5 Destant the end of the second se		e From the Action	menu, select Remove.
 f Click OK. g Close the open windows until you return to the desktop. 3 Retract the antenna if you are using the 3CRWE62092B adapter. 4 Remove the adapter. 5 Destant the 		If you are using	Windows XP or 2000, select <i>Uninstall</i>
 g Close the open windows until you return to the desktop. 3 Retract the antenna if you are using the 3CRWE62092B adapter. 4 Remove the adapter. 5 Destart the second in the second seco		f Click OK.	
 3 Retract the antenna if you are using the 3CRWE62092B adapter. 4 Remove the adapter. 5 Destart the 		a Close the open v	windows until you return to the desktop.
 4 Remove the adapter. 5 Destant the 	3	Retract the antenna	if you are using the 3CRWE62092B adapter.
	4	Remove the adapte	r.
5 Kestart the computer	۲	Restart the compute	er
CAUTION: To avoid damaging the card, do not pull on the antenna. Refer to your computer's documentation for PC Card removal instructions.	- 	CAUTION: To avoid your computer's do	d damaging the card, do not pull on the antenna. Refer to ocumentation for PC Card removal instructions.

Page 8 of 16

Uninstalling Wireless LAN Manager **EXHIBIT 8: User Manual** 3CRSHPW696 3CRWE62092B **Uninstalling Wireless** Normally, you would not uninstall the Wireless LAN Manager software; however, LAN Manager in case a problem arises, you may want to uninstall and reinstall it. You can uninstall Wireless LAN Manager any time following the installation. The uninstall removes desktop icons, registry entry files, and files used by the adapter. 1 If you are using Windows 2000, Me, or 98 SE, click Start > Settings > Control Panel. If you are using Windows XP, click Start > Control Panel. 2 Click Add/Remove Programs. 3 Select 3Com Wireless LAN Manager. 4 Click Change/Remove. 5 Click Remove. 6 When the uninstall is complete, remove the adapter and restart your computer. Updating the Wireless To update your Wireless LAN Adapter driver software, find your operating system LAN Adapter Driver below, then follow the procedure. Windows XP and 2000 1 Insert your Wireless LAN Adapter into the PC card slot 2 In Windows 2000, select Start > Settings > Control Panel, then double-click the System icon. In Windows XP, from your desktop or start menu, right-click My Computer and select Properties. **3** Select the Hardware tab and click Device Manager. **4** If necessary, click the plus sign (+) to expand the Network Adapters tree.

5 In Windows 2000, double-click *3Com Wireless LAN Adapter,* select the *Driver* tab, and click *Update Driver.*

In Windows XP, right-click 3Com Wireless LAN Adapter and select Update Driver.

6 Insert the Installation CD. The Hardware Update Wizard window appears.

Page 9 of 16

7 In Windows 2000, click *Display list of known drivers so that I can choose a specific driver* and click *Next*.

In Windows XP, select *Install from a list or specific location (Advanced)* and click *Next*.

- 8 In Windows XP, select *Don't search. I will choose the driver to install* and click *Next.*
- **9** When you are prompted to select an adapter, click *Have Disk...* and enter the drive letter for the *Installation CD* or enter the directory on your hard drive where the updated driver is located. Click *Continue*.
- **10** Select *3Com Wireless LAN Adapter* and click *Next*. Follow the prompts through the remainder of the driver update.
- **11** When the installation has completed, click *Finish*.

Windows Me and 98 SE

- 1 Insert your Wireless LAN Adapter into the PC card slot
- 2 From the Windows Start menu, select *Settings*, then select *Control Panel*.
- **3** Double-click the *System* icon, then select *Device Manager*.
- 4 In the Device Manager window, expand the Network Adapters list.
- 5 Select 3Com Wireless LAN Adapter and click Properties.
- 6 Select Driver and click Update Driver.
- 7 In the Update Device Driver Wizard, follow the prompts to install the upgrade.
- 8 When prompted, click *Restart* for the changes to take effect.

12

EXHIBIT 8: User Manual Technical Support

3Com provides easy access to technical support information through a variety of services. This appendix describes these services.

Information contained in this appendix is correct at time of publication. For the most recent information, 3Com recommends that you access the 3Com Corporation World Wide Web site.

Online Technical Services

3Com offers worldwide product support 24 hours a day, 7 days a week, through the following online systems:

- ⁿ World Wide Web site
- ⁿ 3Com Knowledgebase Web Services
- ⁿ 3Com FTP site

World Wide Web Site

To access the latest networking information on the 3Com Corporation World Wide Web site enter this URL into your Internet browser: http://www.3com.com/

This service provides access to online support information, such as technical documentation and a software library, as well as support options that range from technical education to maintenance and professional services.

3Com Knowledgebase Web Services

The 3Com Knowledgebase is a database of technical information to help you install, upgrade, configure, or support 3Com products. The Knowledgebase is updated daily with technical information discovered by 3Com technical support engineers. This complimentary service, which is available 24 hours a day, 7 days a week to 3Com customers and partners, is located on the 3Com Corporation World Wide Web site at:

http://knowledgebase.3com.com

3Com FTP Site

Download drivers, patches, software, and MIBs across the Internet from the 3Com public FTP site. This service is available 24 hours a day, 7 days a week.

To connect to the 3Com FTP site, enter the following information into your FTP client:

- n Hostname: ftp.3com.com
- ⁿ Username: **anonymous**
- n Password: <your Internet e-mail address>



NOTE: With Web browser software such as Netscape Navigator and Internet Explorer, you do not need a user name and password .

Support from Your Network Supplier

If you require additional assistance, contact your network supplier. Many suppliers are authorized 3Com service partners who are qualified to provide a variety of services, including network planning, installation, hardware maintenance, application training, and support services.

When you contact your network supplier for assistance, have the following information ready:

- ⁿ Product model name, part number, and serial number
- n A list of system hardware and software, including revision levels
- n Diagnostic error messages
- ⁿ Details about recent configuration changes, if applicable

If you are unable to contact your network supplier, see the following section on how to contact 3Com.

Support from 3Com

If you are unable to obtain assistance from the 3Com online technical resources or from your network supplier, 3Com offers technical telephone support services. To find out more about your support options, call the 3Com technical telephone support phone number at the location nearest you.

When you contact 3Com for assistance, have the following information ready:

- ⁿ Product model name, part number, and serial number
- ⁿ A list of system hardware and software, including revision levels
- Diagnostic error messages
- ⁿ Details about recent configuration changes, if applicable

Here is a list of worldwide technical telephone support numbers. These numbers are correct at the time of publication. Refer to the 3Com Web site for updated information.

Country	Telephone Number
Asia, Pacific Rim	
Australia	1 800 678 515
Hong Kong	800 933 486
India	+61 2 9937 5085 or
	000800 6501111
Indonesia	001 800 61 009
Japan	03 5783 1270
Malavsia	1800 801 777
New Zealand	0800 446 398
Pakistan	+61 2 9937 5083
Philippines	1235 61 266 2602
P.R. of China	10800 61 00137 or
	021 6350 1590 or
	00800 0638 3266
Singapore	800 6161 463
S Korea	82 2 3455 6455
From anywhere in S. Korea:	00798 611 2230
From Seoul:	00798 611 2230
Taiwan R O C	0080 611 261
Thailand	001 800 611 2000

(continued)

Page 12 of 16

Country	Telephone Number
Europe, Middle East, and Africa From anywhere in these regions, call:	+44 (0)1442 435529 phone +44 (0)1442 436722 fax
Europe and South Africa From the following countries, you may use	the toll-free numbers:
Austria Belgium Denmark Finland France Germany Hungary Ireland Israel Italy Luxembourg Netherlands Norway Poland Portugal South Africa Spain Sweden Switzerland U.K.	0800 297468 0800 71429 800 17309 0800 113153 0800 917959 0800 1821502 06800 12813 1800 553117 1800 9453794 800 8 79489 0800 3625 0800 0227788 800 11376 0800 311206 0800 3111206 0800 831416 0800 995014 900 983125 020 795482 0800 55 3072 0800 966197
Latin America Brazil Mexico Puerto Rico Central and South America	0800 13 3266 01 800 849CARE 800 666 5065 AT&T +800 998 2112
North America	1 800 527 8677

Returning Products for Repair

Before you send a product directly to 3Com for repair, you must first obtain an authorization number. Products sent to 3Com without authorization numbers will be returned to the sender unopened, at the sender's expense.

To obtain an authorization number, call or fax:

Country	Telephone Number	Fax Number
Asia, Pacific Rim	+65 543 6500	+65 543 6348
Europe, South Africa, and Middle East	+31 30 6029900	+31 30 6029999
Central and South America	525 201 0075	none

Argentina Bolivia Brazil	0810 222 3266 511 241 1691 0800 133266 or 55 11 5643 2700
Caribbean	525 201 0004
Chile	562 240 6200
Colombia	525 201 0004
Ecuador	525 201 0004
Mexico	525 201 0004
Paraguay	525 201 0004
Peru	511 241 1691
Uruguay	525 201 0004
Venezuela	525 201 0004

From the following countries, you may call the toll-free numbers; select option 2 and then option 2:

Austria	0800 297468	none
Belgium	0800 71429	
Denmark	800 17309	
Finland	0800 113153	
France	0800 917959	
Germany	0800 1821502	
Hungary	00800 12813	
Ireland	1800553117	
Israel	1800 9453794	
Italy	1678 79489	
Netherlands	0800 0227788	
Norway	800 11376	
Poland	00800 3111206	
Portugal	0800 831416	
South Africa	0800 995014	
Spain	900 983125	
Sweden	020 795482	
Switzerland	0800 55 3072	
U.K.	0800 966197	
U.S.A. and Canada	1 800 527 8677	none

none

REGULATORY INFORMATION



NOTE: This product contains encryption. It is unlawful to export out of the U.S. without obtaining a U.S. Export License.

FCC PART 15 NOTICE (APPLICABLE TO USE WITHIN THE USA)



CAUTION: FCC Radio-Frequency Exposure Notice

This device generates and radiates radio-frequency energy. In order to comply with FCC radio-frequency radiation exposure compliance requirements, a separation distance of at least 2.5 cm (1.0 inch) must be maintained between the antenna of this device and all persons.

This product does not contain any user serviceable components. Any unauthorized product changes or modifications will invalidate 3Com's warranty and all applicable regulatory certifications and approvals.

UNINTENTIONAL RADIATOR



WARNING: This equipment has been tested and found to comply with the limits for a Class B digital device as applicable, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undersired operation.

The user may find the following booklet prepared by the Federal Communications Commission helpful: *The Interference Handbook*

This booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402. Stock No. 004-000-00345-4.

MANUFACTURER'S DECLARATION OF CONFORMITY 3Com Corporation

3930 W. Parkway Blvd. PO Box 704010 West Valley City, UT 84119 (800) 527-8677

Declares that the Product:

Date: January 31, 2002

Brand Name: 3Com Corporation

Model Number: SL-1110

Equipment Type: 802.11 Wireless PC Card

<u>Complies with Part 15 of the FCC rules</u>. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.



INDUSTRY CANADA NOTICE (APPLICABLE FOR USE WITHIN CANADA) This device complies with Canadian RSS-210.

To prevent radio interference to the licensed service, this device is intended to be operated indoors and away from windows to provide maximum shielding. Equipment (or its transmit antenna) that is installed outdoors is subject to licensing.

The installer of this radio equipment must ensure that the antenna is located or pointed such that it does not emit RF field in excess of Health Canada limits for the general population; consult Safety Code 6, obtainable from Health Canada's website



l'intérieur seulement et devrait êtra placé loin des fenêtres afin de fournir un écran de blindage maximal.

Code de sécurité 6, disponible sur le site Web de Santé Canada, à l'adresse suivante: www.hc-sc.gc.ca/rpb.

Technology Equipment which has been tested to these or other equivalent standards:

www.hc-sc.gc.ca/rpb.

Cet appareil est conform à la norme CNR-210 du Canada.

AVIS DE CONFORMITÉ À LA RÉGLEMENTATION D'INDUSTRIE CANADA

SAFETY NOTICE

- n UL Standard 60950 (3rd Edition)/ CSA C22.2 No. 60950
 - n IEC 60950 n EN 60950

EUROPEAN COMMUNITY CE NOTICE



indicates compliance with the essential requirements of Directive 73/23/EC and the Marking by the symbol essential requirements of articles 3.1(b), 3.2 and 3.3 of Directive 1999/5/EC. Such marking is indicative that this equipment meets or exceeds the following technical standards:

Pour empêcher que cet appareil cause du brouillage au service faisant l'objet d'une licence, cet appareil doit être utilisé à

L'installateur du présent matériel radio doit s'assurer que l'antenne est située ou pointée de manière à ce que cette derniére n'émette pas de champs radioélectriques supérieurs aux limites spécifiées par Santé Canada pour le grand public; condulter le

This device has been tested and certified according to the following safety standards and is intended for use only in Information

- n ETS 300 328-2 Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband Transmission systems; data transmission equipment operating in the 2,4GHz ISM band and using spread spectrum modulation techniques
- n ETS 301 489-17 Electromagnetic compatibility and Radio spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 17: sPECIFIC CONDITIONS FOR wIDEBAND DATA AND hiperlan EQUIPMENT
- ⁿ EN 60950 Safety of information technology equipment, including electrical business equipment

NOTE: Due to frequency restrictions, it is necessary to select your country before using this radio device. Refer to your 3Com Wireless LAN Manager online help for details.

3Com Wireless LAN Adapter User Guide version 1,0. RAF Published March, 2002

