3Com Wireless 11n USB Adapter

Quick Installation Guide

3CRUSBN175

www.3com.com

M/N: WL-600
Published February 2008

3Com Corporation, 350 Campus Drive, Marlborough, MA USA 01752-3064

Copyright © 2005-2008, 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.

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, in the hard copy documentation, or on the removable media in a directory file named LICENSE.TXT or !LICENSE.TXT. 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.

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

3Com and the 3Com logo are registered trademarks of 3Com Corporation.

Intel, Pentium, and Celeron are registered trademarks of Intel 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.

Check the Package Contents

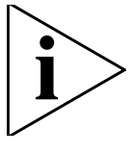
Before you start with the installation, verify that your USB Adapter package includes the following items:

- One 3Com Wireless 11n USB Adapter
- One USB extension cable
- One 3Com Installation CD-ROM, which contains the driver for the USB Adapter
- This *3Com Wireless 11n USB Adapter Quick Installation Guide*
- One warranty flyer

If any of these items are damaged or missing, please contact your 3Com network supplier immediately.

Check the Minimum System Requirements

You can install the USB Adapter on any desktop computer running Microsoft® Windows® XP, Windows 2000, or Windows Vista.



If using Windows 2000, please download the driver and utility from the 3COM web site.

Your computer must also have, at least, the following:

- Available USB connector
- 733 MHz Intel™ Pentium™ III or Celeron processor (or equivalent)
- 256 MB of RAM

- 7 MB of free disk space
- CD-ROM drive

Installing the Wireless USB Adapter

Installing the USB Adapter is a two-step process:

1. Install the USB Adapter driver
2. Plug in the USB Adapter

Install the 3Com Wireless USB Adapter Driver

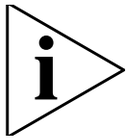
Your USB Adapter includes a CD that contains the 3Com Wireless Driver. Running the USB Adapter setup program installs the driver.

To install the 3Com USB Adapter driver:

Windows XP Installation

1. With the computer on and Windows running, insert the 3Com Installation CD into the CD-ROM drive.

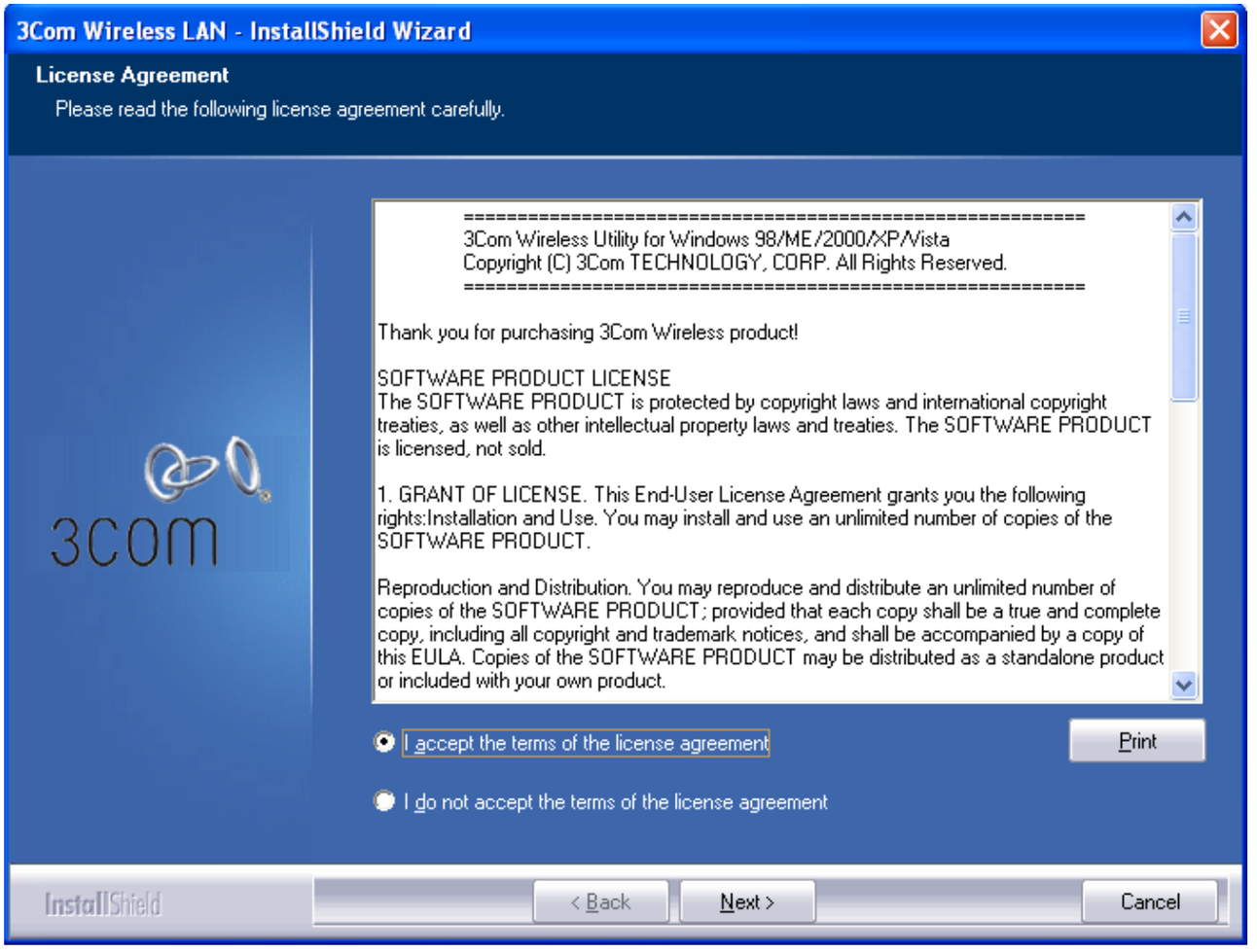
   The 3Com Wireless Utility 11n USB Adapter Installation Manager setup menu appears.



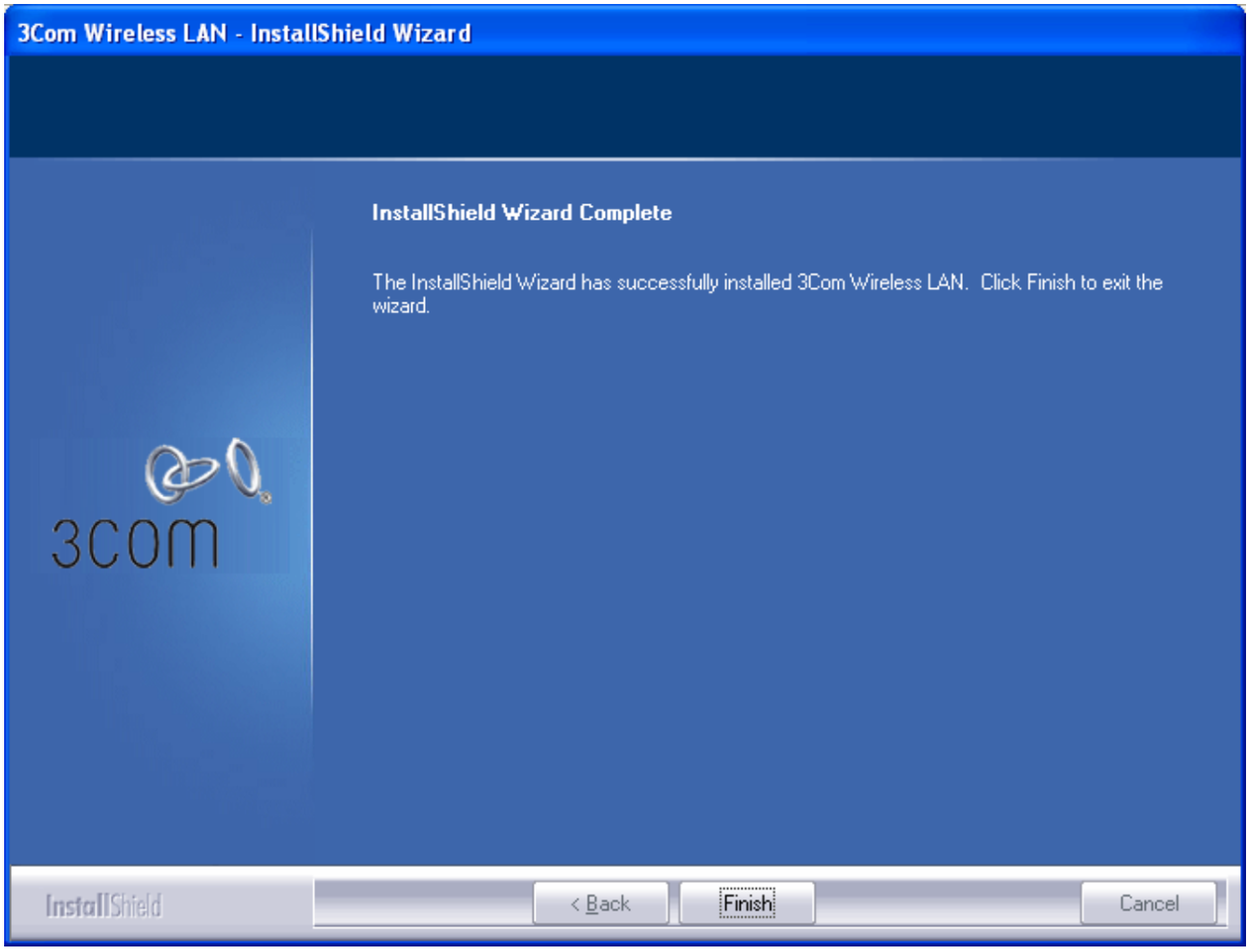
If the setup menu does not appear, click Start > Run*, and then type* **`d:\Autorun.exe`** *(where* **`d:`** *is the drive letter assigned to your CD-ROM drive).*

2 On the setup menu, click *Install/Uninstall Wireless Product*. The wizard prepares for installation.

3 The 3Com End User Software License Agreement appears. Read the agreement carefully, and then click *I accept the terms of the license agreement* to agree to all the terms and conditions. Now click *Next*.



4 When the message **`InstallShield Wizard Complete`** appears, click *Finish*. You have completed installing the 3Com Wireless Utility and the USB Adapter driver.

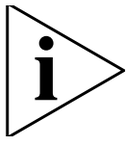


5 On the setup menu, click *Exit*.

Windows Vista Installation

1 With the computer on and Windows running, insert the 3Com Installation CD into the CD-ROM drive.

The 3Com Wireless Utility 11n USB Adapter Installation Manager setup menu appears.

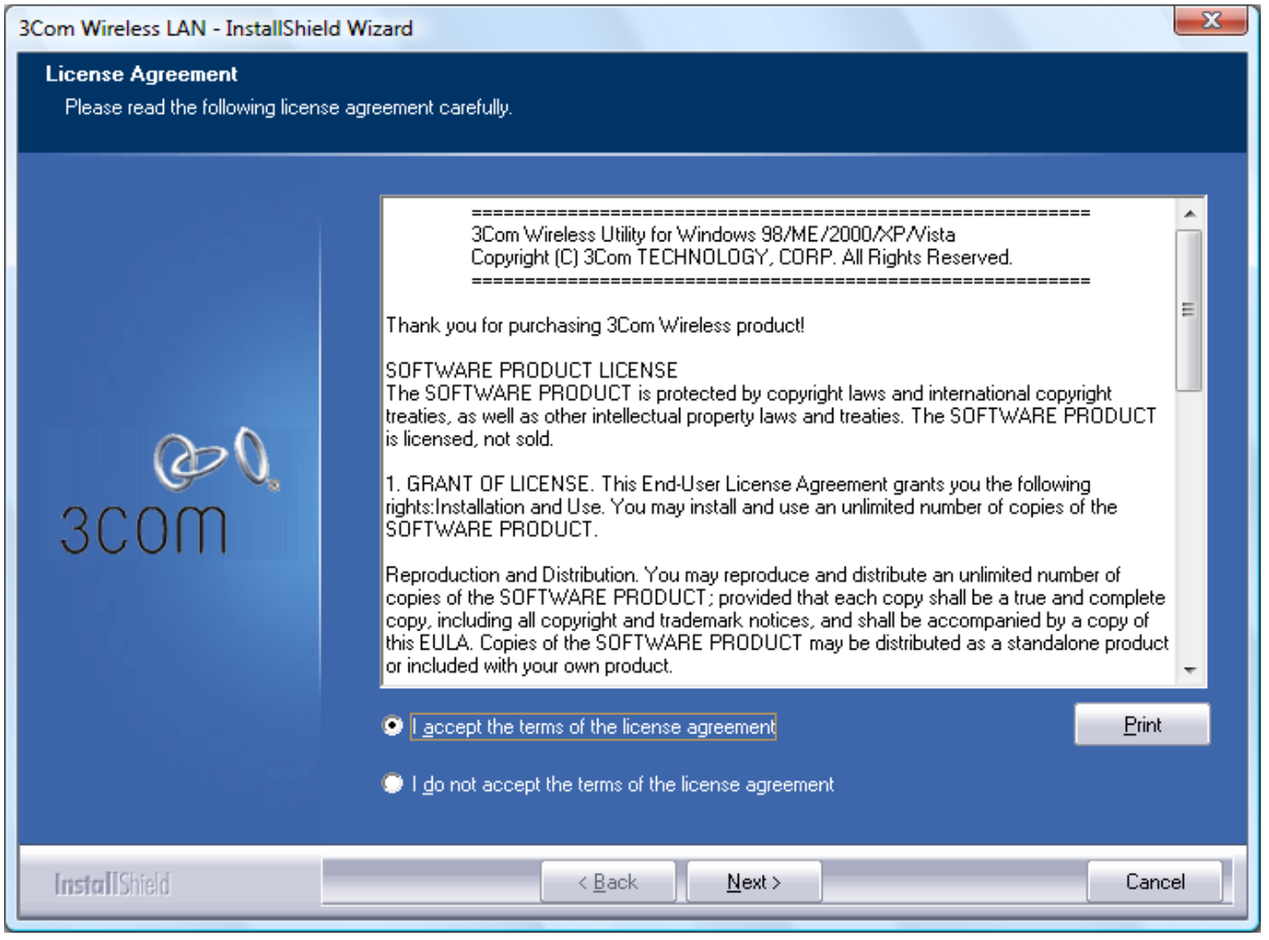


If the setup menu does not appear, click *> All Programs > Accessories > Run, and then type* **`d:\setup.exe`** *(where* **`d:`** *is the drive letter assigned to your CD-ROM drive).*

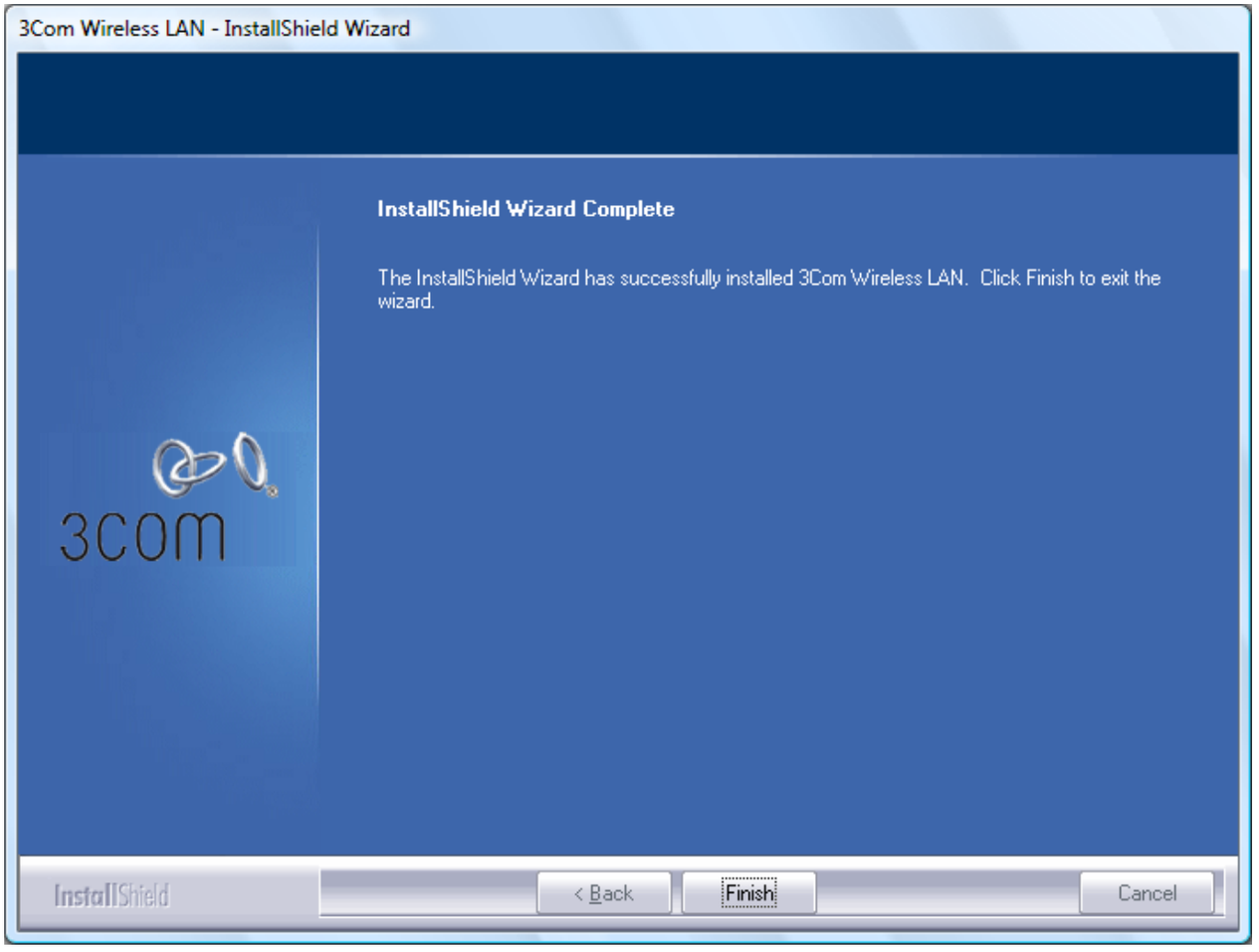
2 On the setup menu, click *Install/Uninstall Wireless Product*. The wizard prepares for installation.

3COM OfficeConnect Wireless 11b/g/n USB Adapter Installation Manager
3COM OfficeConnect Wireless 11b/g/n Compact USB Adapter
Install/Uninstall Wireless Product
View Quick Installation Guide
Install Adobe Reader
Visit 3COM
Exit
Welcome to use 3COM® OfficeConnect®
Wireless 11b/g/n Compact USB Adapter.
3com

3 The 3Com End User Software License Agreement appears. Read the agreement carefully, and then click *I accept the terms of the license agreement* to agree to all the terms and conditions. Now click *Next*.



4 When the message **`InstallShield Wizard Complete`** appears, click *Finish*. You have completed installing the 3Com Wireless Utility and the USB Adapter driver.

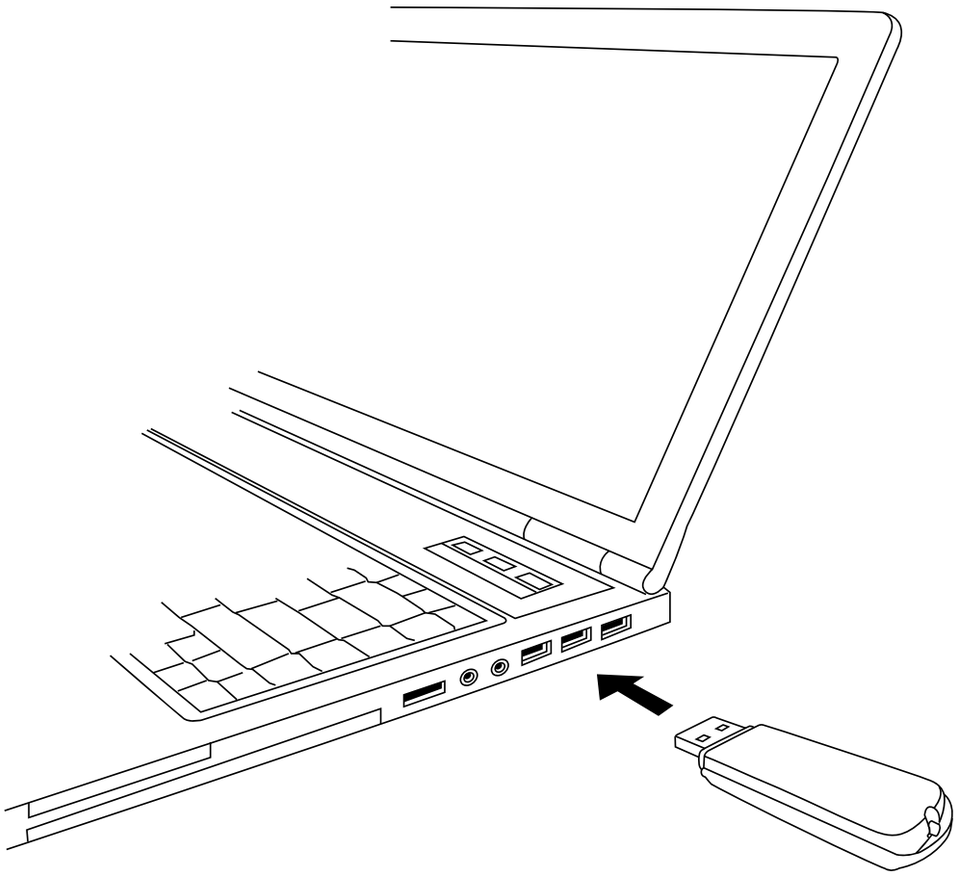


5 On the setup menu, click *Exit*.

Plug in the USB Adapter

1 Locate an empty USB connector and plug in your USB Adapter, as shown in Figure 1.

Figure 1 Connecting the USB Adapter to a vacant USB connector



2 The USB Adapter will be installed automatically. When installation is complete, a message saying that your hardware is installed and ready to use will appear briefly at the bottom right-hand corner of your screen.

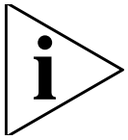
What to Do Next

This section first covers connecting on Windows XP and then discusses connecting on the Windows Vista operating system.

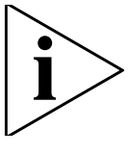
Connecting on Windows XP

By default, the USB Adapter now scans for access points in range.

If you want to connect to a specific access point, you must configure your wireless connection using the *Windows Zero Configuration (WZC)* tool.

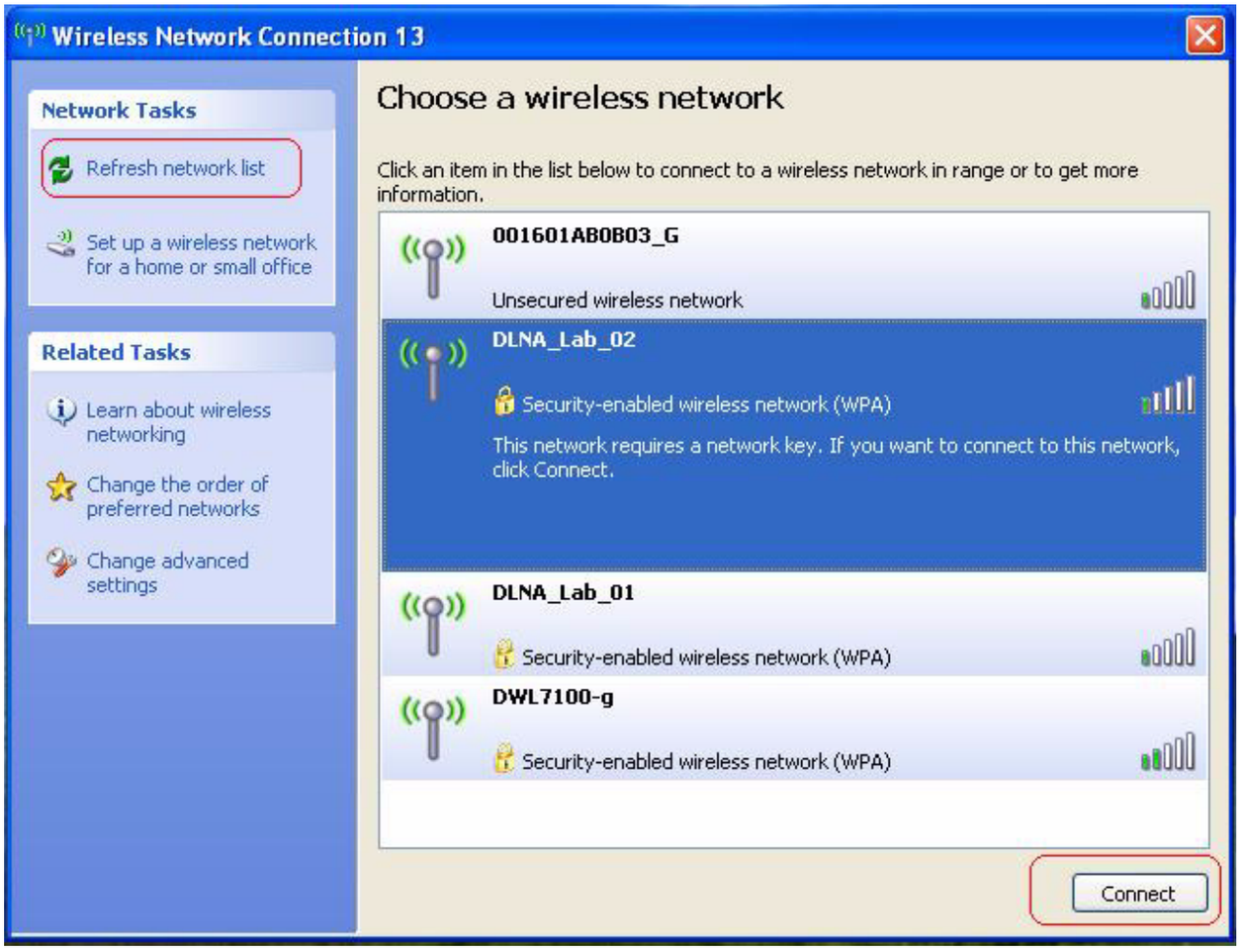


Ensure that you have Windows XP Service Pack 2 installed on your computer.



Ensure that the Use Windows to configure my wireless network settings *check box is selected in the* Wireless Network Connection Properties *tab.*

1 Click the network icon in the system tray to view *Wireless Networks*.



2 Click *Refresh network list* to reload and search for available wireless devices. Select a wireless network in the list and click *Connect* to join the selected wireless network.

3 If wireless security is activated for the selected wireless network, the *Wireless Network Connection Window* appears. Input the *Network key* and click *Connect*.

4 If there is no security activated for the selected wireless network, a warning window appears. Click *Connect Anyway.*

.

5 Close the *Wireless Network Connection list* window.

Connecting on Windows Vista

Windows Vista WLAN AutoConfig

The PC will begin functioning in Station Mode (as a Client) with your Wireless LAN network as soon as the Network Key is set up.

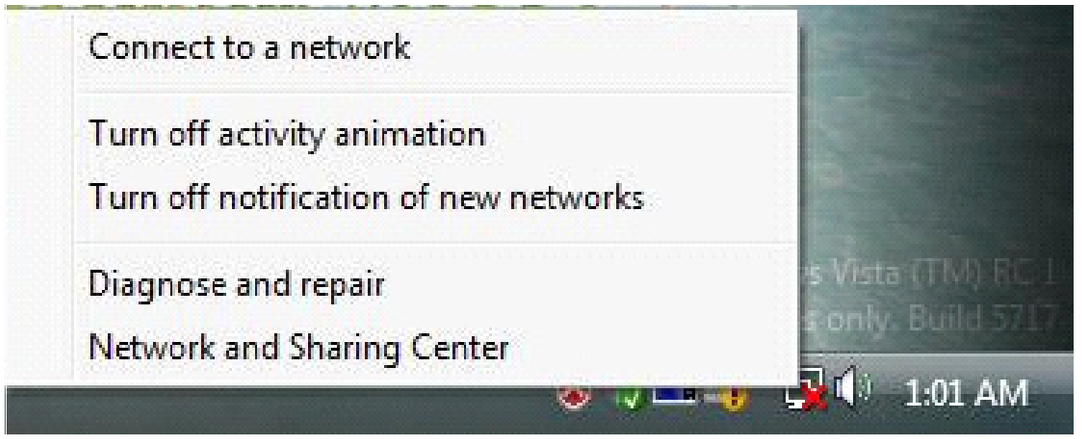
If you do not have an existing wireless network, first set up your wireless router before you use your PC in Station Mode.

1 Start your PC and connect with an existing WLAN AP.

2 Have the Network Key (WEP Key or WPA Key) ready if your Wireless Network requires a security code.

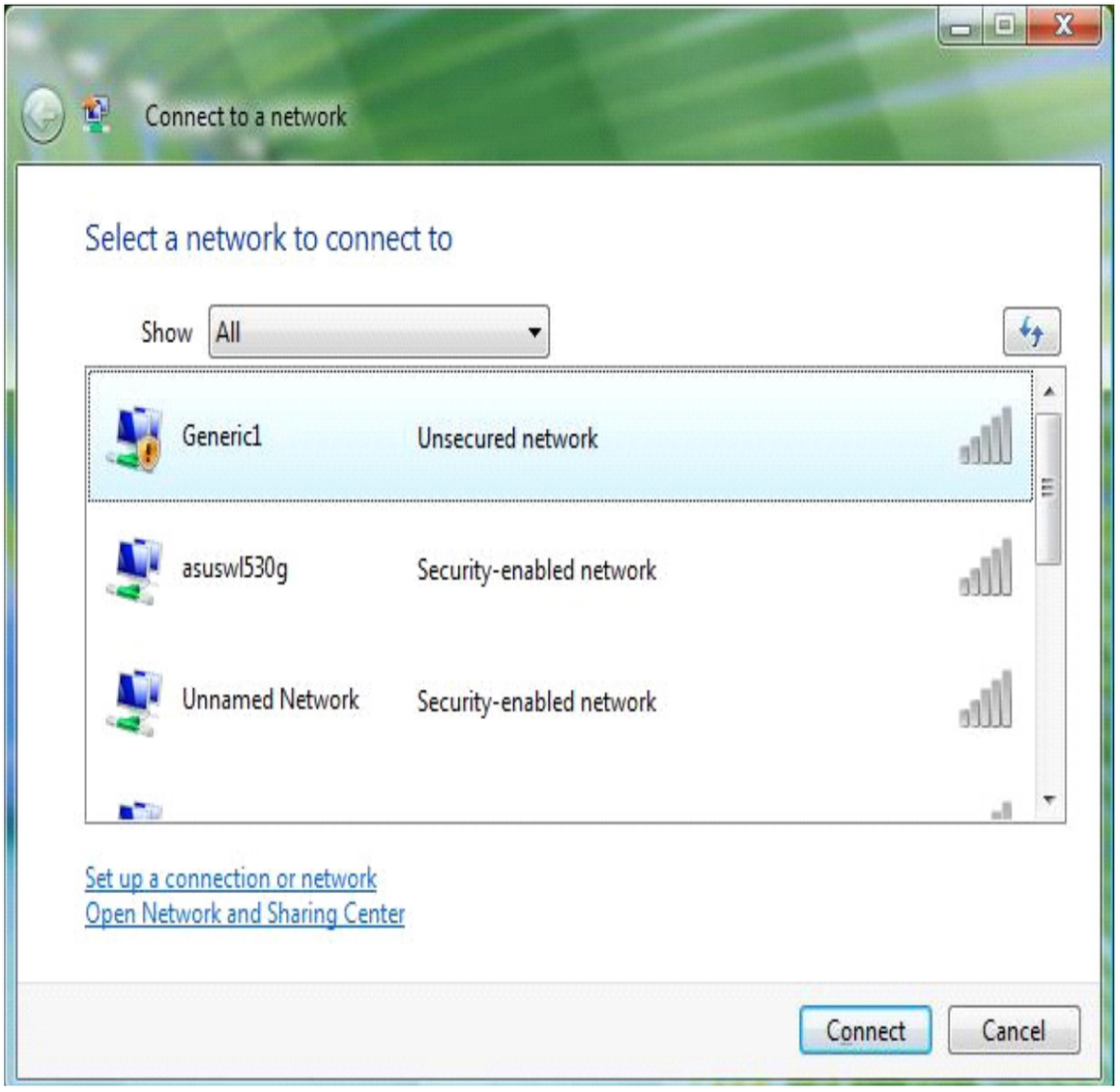
3 Right click on the Wireless Network icon in the system tray.

There are two Network icons in the system tray. The wireless network connection icon is shown here:



4 Select *Connect to a network* from the Wireless Network icon menu.

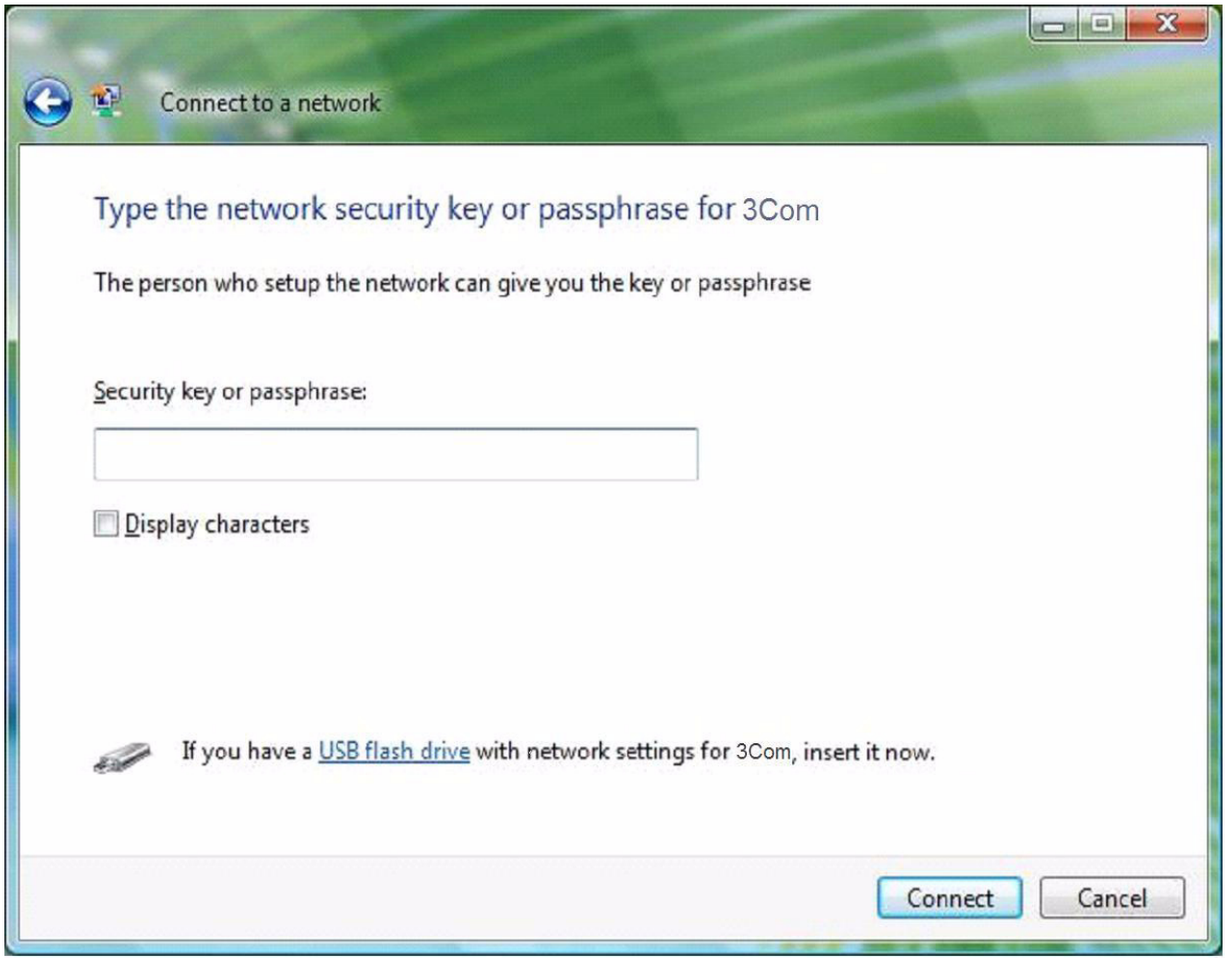
The Wireless Network Connection dialog box appears, as shown here:



5 Select the Wireless Network of your choice by clicking on its name. The entire block is highlighted.

6 Select *Connect* in the lower right corner.

The next Wireless Network Connection dialog box appears, shown here:



7 Enter the Network Key (WEP Key or WPA Key) for your Wireless Network.

If your network is using WEP encryption, then a HEX or an ASCII format is necessary when entering your Network key:

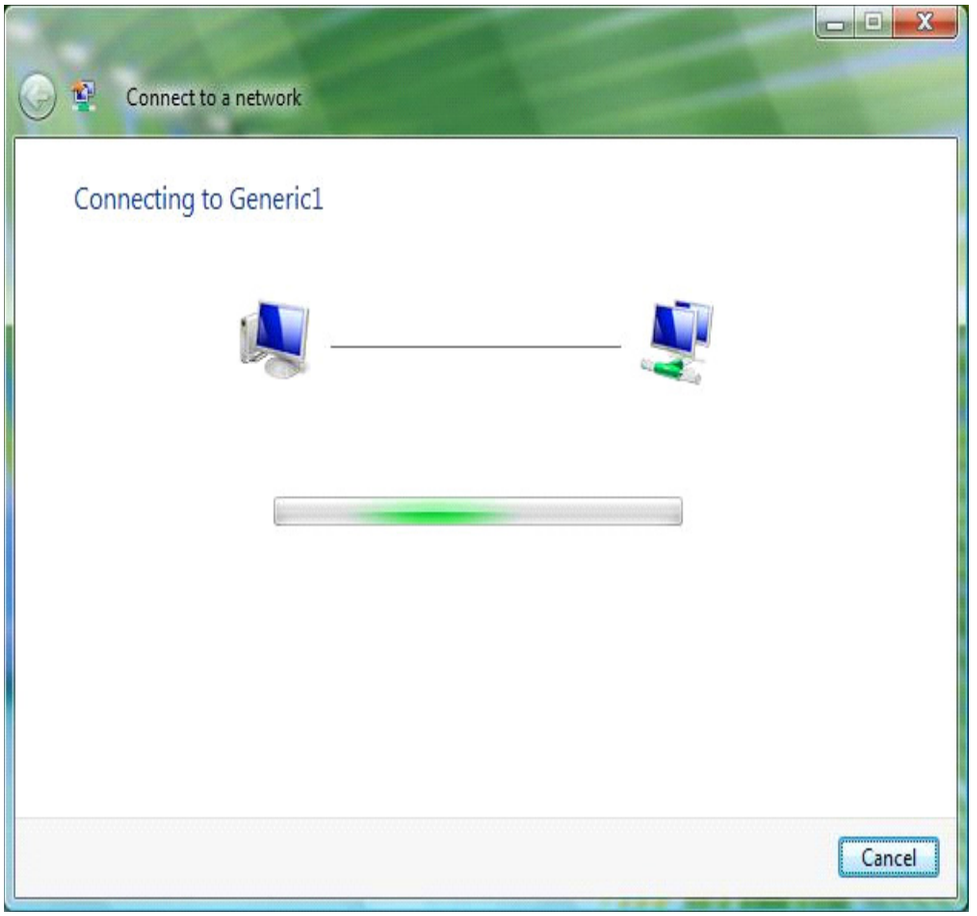
- ***HEX —*** *10 Characters in HEX notation for 40 bit or 26 characters for 128 bit encryption.*

- ***ASCII —*** *5 Characters for 40 bit or 13 characters for 128 bit encryption.*

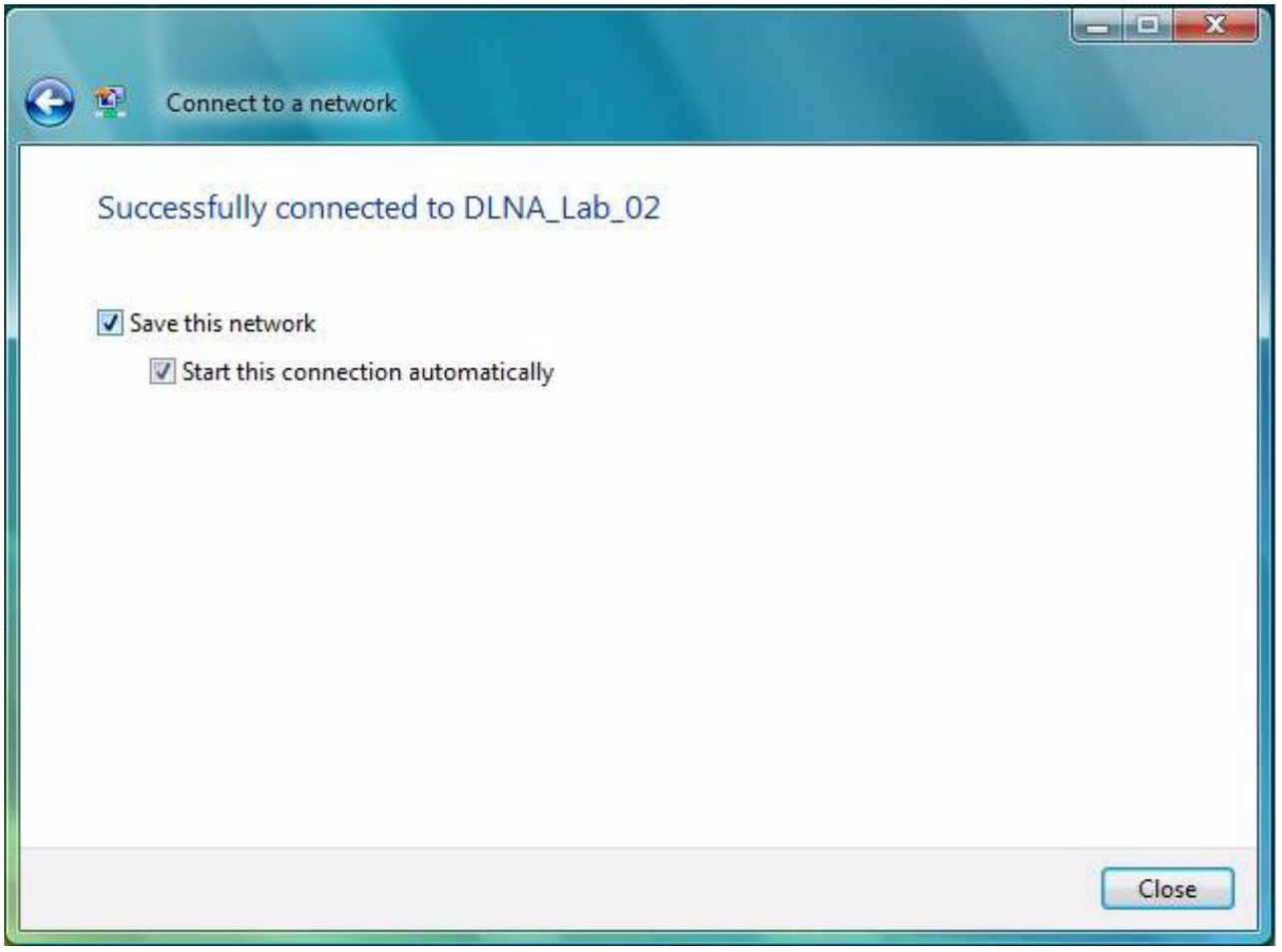
If your network is using WPA or WPA2 encryption, you must enter an 8 – 63 character alphanumeric key-phrase.

8 Select *Connect.*

The Wireless Network Connection dialog box appears again as you are being connected.



Once successfully connected to Generic1, as shown below, click the check box to *Save this network*. *Start this connection automatically* should also be enabled.



9 Click *Close*.

Troubleshooting Installation

Refer to Table 1 for a list of issues that you may encounter during installation and some suggested solutions.

Table 1 Installation Issues and Possible Solutions

Problem	Possible Solution
Installation program does not finish or the driver fails to load	Use the Device Manager to resolve resource conflicts that may exist. To start the Device Manager, go to the *Control Panel*, double-click *System*, and then click the *Device Manager* tab. ■ If the hardware item for the USB Adapter under *Network adapters* has a yellow exclamation point, right-click the item, and then click *Update Driver*. Follow the instructions on the Hardware Update Wizard to update the USB Adapter driver. ■ If the hardware item for the USB Adapter does not appear under *Network adapters*, repeat the setup procedure.

Table 1 Installation Issues and Possible Solutions

Problem	Possible Solution
Windows shows the USB Adapter as an unknown device	■ Verify that the USB Adapter is properly connected to the USB connector. ■ If the USB Adapter is properly connected to the USB connector and Windows still does not recognize it, use the Device Manager to remove the unknown device, and then repeat the setup procedure.
Power/Activity LED is off	■ Verify that the USB Adapter is properly connected to the USB connector. ■ Verify that the driver was installed successfully by checking the status of the device on the Device Manager. See “What to Do Next” on page 13.

REGULATORY INFORMATION

The 3Com Wireless 11n USB Adapter (3CRUSBN175, M/N: WL-600) must be installed and used in strict accordance with the manufacturer's instructions as described in the user documentation that comes with the product. This device complies with the following radio frequency and safety standards.

This product contains 128-bit encryption. It is unlawful to export out of the U.S. without obtaining a U.S. Export License.

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.

Only antennas specified for your region by 3Com can be used with this product. The use of external amplifiers or non-3Com antennas may invalidate regulatory certifications and approvals.

CAUTION: EXPOSURE TO RADIO FREQUENCY RADIATION

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 the device and all persons.

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

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This equipment should be installed and operated with minimum distance 2.5cm between the radiator and your body.

This product must maintain a minimum body to antenna distance of 2.5 cm. Under these conditions this product will meet the Basic Restriction limits of 1999/519/EC [Council Recommendation of 12 July 1999 on the limitation of exposure of the general public to electromagnetic fields (0 Hz to 300 GHz)].

USA-FEDERAL COMMUNICATIONS COMMISSION (FCC)

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 undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of 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. If not installed and used in accordance with the instructions, it 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 tuning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

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

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. 004-000-0034504.

3Com is not responsible for any radio or television interference caused by unauthorized modification of the devices included with this 3Com Wireless 11n USB Adapter (3CRUSBN175, M/N: WL-600), or the substitution or attachment of connecting cables and equipment other than specified by 3Com.

The correction of interference caused by such unauthorized modification, substitution or attachment will be the responsibility of the user.

MANUFACTURER'S DECLARATION OF CONFORMITY

3Com Corporation
350 Campus Drive
Marlborough, MA 01752-3064, USA
(800) 527-8677
Date: March 1, 2008

Declares that the Product:

Brand Name: 3Com Corporation
Model Number: WL-600
Equipment Type: 3Com Wireless 11n USB Adapter

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 undesired operation.

FC	3Com Wireless 11n USB Adapter Model: WL-600

CANADA – INDUSTRY CANADA (IC)

This device complies with RSS 210 of Industry Canada.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device."

L' utilisation de ce dispositif est autorisée seulement aux conditions suivantes: (1) il ne doit pas produire de brouillage et (2) l' utilisateur du dispositif doit étre prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.

The term "IC" before the equipment certification number only signifies that the Industry Canada technical specifications were met.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication. 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.

Pour empecher que cet appareil cause du brouillage au service faisant l'objet d'une licence, il doit etre utilize a l'interieur et devrait etre place loin des fenetres afin de Fournier un ecram de blindage maximal. Si le matriel(ou son antenne d'emission) est installe a l'exterieur, il doit faire l'objet d'une licence.

INDUSTRY CANADA (IC) EMISSIONS COMPLIANCE STATEMENT

This Class B digital apparatus complies with Canadian ICES-003.

AVIS DE CONFORMITÉ À LA RÉGLEMENTATION D'INDUSTRIE CANADA

Cet appareil numérique de la classe B est conform à la norme NMB-003 du Canada.

SAFETY COMPLIANCE NOTICE

This device has been tested and certified according to the following safety standards and is intended for use only in Information Technology Equipment which has been tested to these or other equivalent standards:

- UL Standard 60950-1

- CAN/CSA C22.2 No. 60950-1
- IEC 60950-1
- EN 60950-1

EUROPE – EU DECLARATION OF CONFORMITY

Equipment may be operated in

AT	BE	CY	CZ	DK	EE	FI	FR
DE	GR	HU	IE	IT	LV	LT	LU
MT	NL	PL	PT	SK	SI	ES	SE
GB	IS	LI	NO	CH	BG	RO	TR

Intended use: IEEE 802.11b/g/n radio LAN device

EUROPE - DECLARATION OF CONFORMITY IN LANGUAGES OF THE EUROPEAN COMMUNITY

English	Hereby, 3Com Corporation, declares that this RLAN device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Finnish	3Com Corporation vakuuttaa täten että RLAN device tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Dutch	Hierbij verklaart 3Com Corporation dat het toestel RLAN device in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG Bij deze verklaart 3Com Corporation dat deze RLAN device voldoet aan de essentiële eisen en aan de overige relevante bepalingen van Richtlijn 1999/5/EC.
French	Par la présente 3Com Corporation déclare que l'appareil RLAN device est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE Par la présente, 3Com Corporation déclare que ce RLAN device est conforme aux exigences essentielles et aux autres dispositions de la directive 1999/5/CE qui lui sont applicables.
Swedish	Härmed intygar 3Com Corporation att denna RLAN device står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.
Danish	Undertegnede 3Com Corporation erklærer herved, at følgende udstyr RLAN device overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF
German	Hiermit erklärt 3Com Corporation, dass sich dieser/diese/dieses RLAN device in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 1999/5/EG befindet". (BMWi) Hiermit erklärt 3Com Corporation die Übereinstimmung des Gerätes RLAN device mit den grundlegenden Anforderungen und den anderen relevanten Festlegungen der Richtlinie 1999/5/EG. (Wien)
Greek	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ 3Com Corporation ΔΗΛΩΝΕΙ ΟΤΙ RLAN device ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ

Italian	Con la presente 3Com Corporation dichiara che questo RLAN device è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Spanish	Por medio de la presente 3Com Corporation declara que el RLAN device cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE
Portuguese	3Com Corporation declara que este RLAN device está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
Malti	Hawnhekk, 3Com Corporation, jiddikjara li dan RLAN device jikkonforma mal-tiijiet essenzjali u ma provvedimenti orajn relevanti li hemm fid-Dirrettiva 1999/5/EC.
Estonian	Käesolevaga kinnitab 3Com Corporation seadme RLAN device vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
Hungarian	Alulírott, 3Com Corporation nyilatkozom, hogy a RLAN device megfelel a vonatkozó alapvetõ követelményeknek és az 1999/5/EC irányelv egyéb elõírásainak.
Slovak	3Com Corporation týmto vyhlasuje, ze RLAN device spåňa základné po_iadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
Czech	3Com Corporation tímto prohlašuje, ze tento RLAN device je ve shodě se základními pozadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
Slovene	Šiuo 3Com Corporation deklaruoja, kad šis RLAN device atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Lithuanian	Šiuo 3Com Corporation deklaruoja, kad šis RLAN device atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
Latvian	Ar šo 3Com Corporation deklarē, ka RLAN device atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistîtajiem noteikumiem.

A copy of the signed Declaration of Conformity can be downloaded from the Product Support web page for the 3CRUSBN175 at http://www.3com.com.

Also available at http://support.3com.com/doc/WL-600_EU_DOC.pdf

Europe – Restrictions for Use of 2.4GHz Frequencies in European Community Countries

- This device may be operated indoors or outdoors in all countries of the European Community using the 2.4GHz band: Channels 1 - 13, except where noted below.
- In Italy, the end-user must apply for a license from the national spectrum authority to operate this device outdoors.
- In Belgium, outdoor operation is only permitted using the 2.46 - 2.4835 GHz band: Channel 13.
- In France, outdoor operation is only permitted using the 2.4 - 2.454 GHz band: Channels 1 - 7.

Korea RF Compliance

This device may cause radio interference during its operation. Therefore service in relation to human life security is not available.

Cumprimento de RF no Brasil

Este produto está homologado pela ANATEL, de acordo com os procedimentos regulamentados pela Resolução 242/2000 e atende aos requisitos técnicos aplicados.

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

Para maiores informações, consulte o site da ANATEL – www.anatel.gov.br

TAIWAN

經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。