Quick Install Guide

i Wave **Port**

Compex Wireless-G Network PCI Adapter

WLP54G

Ordering Information: WLP54G 2a

Version 1.2

COMPEX
networks@work

1. Introduction

Figure 1   Compex iWavePort WLP54G

Compex *iWave***Port** WLP54G is a 54Mbps PCI Wireless LAN adapter. Utilizing 2.4GHz radio frequency band, Compex *iWave***Port** WLP54G provides 54Mbps network connectivity via open air. Data security is facilitated with either 64-bit or 128-bit WEP (Wired Equivalent Privacy). Compex *iWave***Port** WLP54G supports easy Plug and Play installation. Compex *iWave***Port** WLP54G combines simplicity, data privacy and reliability for your wireless network.

2. Hardware Installation

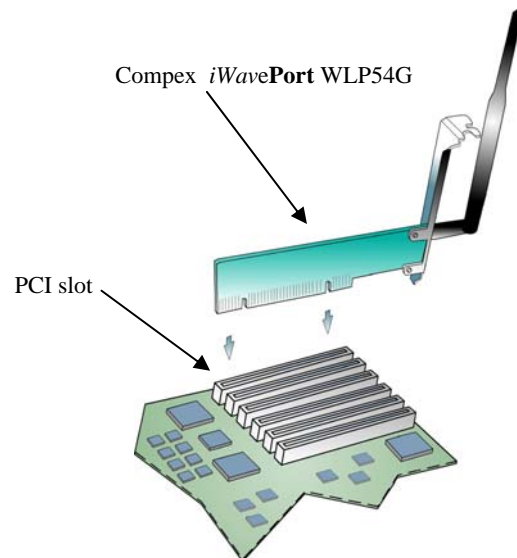Actual product appearance may slightly differ depending on the hardware version.

Figure 2   Inserting Compex iWavePort WLP54G into PCI slot

The following installation process is operated under Windows XP. For installation process operating under 98SE//ME/2000, kindly refer to the Drivers & Utilities Installation Guide in the Product CD. **If you have installed the Wireless PC Card driver & utility before, please uninstall the old version first.**

1. Turn off your PC and switch off the power from the power point.

2. Insert Compex *iWave***Port** WLP54G into your PCI slot as shown above.
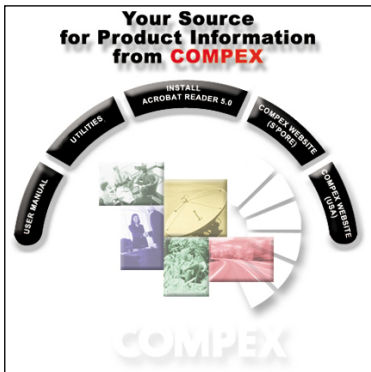
3. Power up your PC.

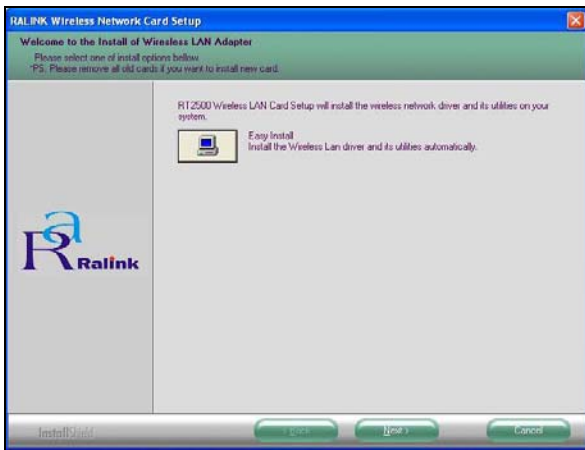## 3. Utility and Driver Installation

1. Power on your PC and your system will detect new hardware automatically. Click **Cancel** to terminate the driver installation.

2. Insert the Product CD into your computer CD-ROM drive. The CD will auto-run, displaying the Compex page. Then go to **UTILITIES** to select the setup.exe

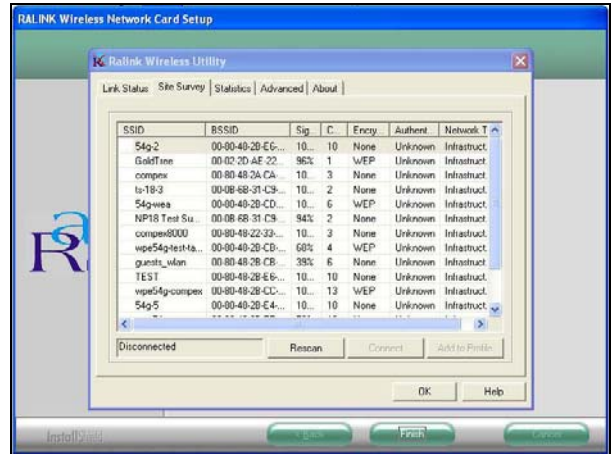3. The system will then run the *RaLink2_RT2500 setup.exe* automatically. Click **Next>** to proceed.

4. Follow the instructions stated on the screen. The system will prompt you if you need to select your location country. For example, if you are in Singapore, just select Singapore. Click **OK** to proceed.

5. Click **Finish** to complete the utility installation. At the same time, your system has installed the driver to your computer.

However, you will notice that the RALINK Wireless Utility screen appears automatically, together with the RALINK Wireless Network Card Setup. Before you can configure the Utility program, first exit the latter by clicking **Finish**.
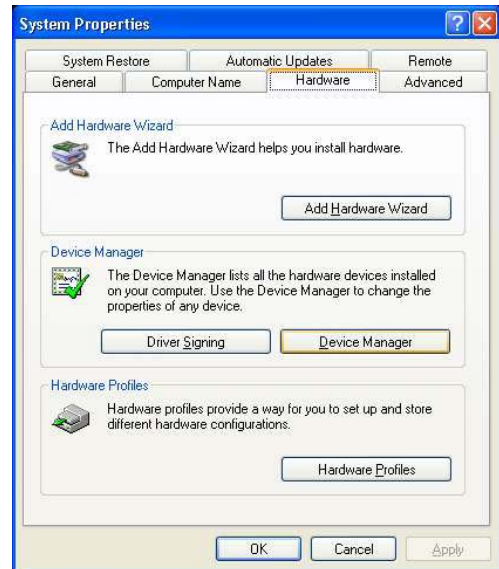

If you wish to exit the utility program, simply go to the taskbar and place your cursor on the icon (as circled in red). Then click on the right button of your mouse to select Exit from the main menu.
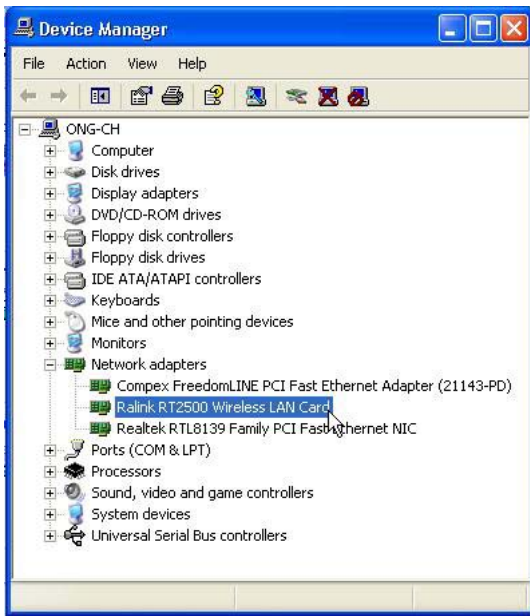

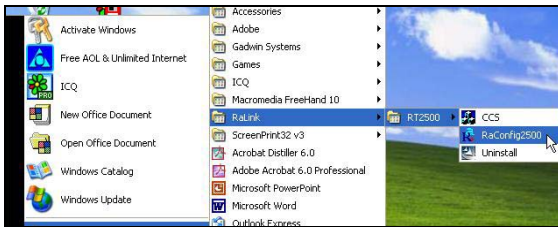To check if the driver has been successfully installed to your system,

6. Proceed to your desktop, right click on **My Computer** and select **Properties**.

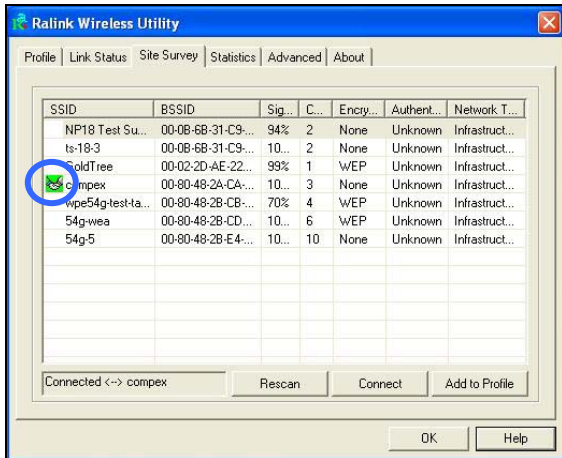7. Select **Hardware** tab and click on **Device Manager**.

8. *Ralink RT2500 Wireless LAN Card* will appear in the **Network Adapters** section. This indicates that the drivers for Compex *iWave***Port** WLP54G has been successfully installed to your system.

9. To activate the utility program if you have already exited it, simply proceed to **Start Menu**, **Programs**, **RaLink** and select **RT2500**. From **RT2500**, select **RaConfig2500**.
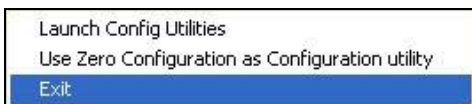

Once you click on the utility option, the following screen shot will appear. You may start to configure your Compex *iWave***Port** WLP54G. The icon (as circled in blue) indicates that the connection is successful.

For details in using the Utility, refer to the User's Manual stored in the Product CD.

You may also use Wireless Zero Configuration utility that is only available in Windows XP to configure your Compex *iWave***Port** WLP54G. However you need to exit from the Compex utility before accessing to Windows XP Wireless Zero Configuration utility.

Refer to User's Manual **Appendix III "Windows XP Wireless Zero Configuration Utility"** for details.

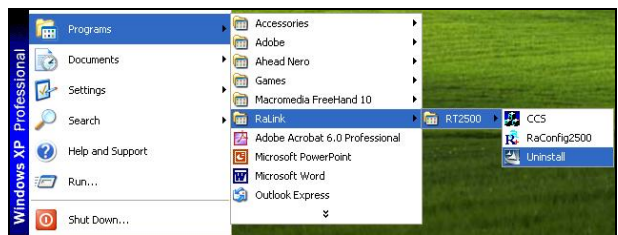To change the location that you have placed your Compex *iWave***Port** WLP54G,

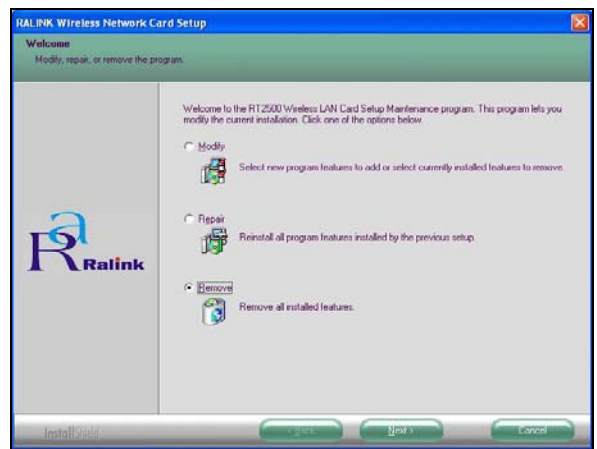1. Go to **Start** Menu, **Programs**, **Ralink**, **RT2500** and select **CCS**.

4. Un-install Compex *iWave*Port **WLP54G**

Please note that you need to close all programs before uninstalling your Compex *iWave***Port** WLP54G.

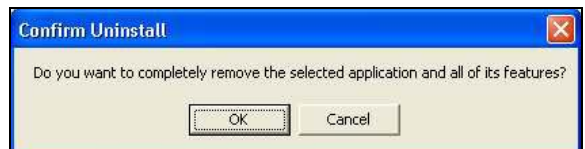1. From your **Start** menu, go to **Programs**, **Ralink**, **RT2500** and select **UnInstall**.

2. Select the **Remove** radio button and click on the **Next>** button.

3. Your system will prompt you if you want to remove the application completely. Click **OK** button to proceed.

4. Unplug your Compex *iWave***Port** WLP54G from your PCI slot and click **OK** button to complete the un-installation process.

Technical Specification

Network Protocol, Standards and Electrical Emissions

Industry Standards	Interoperable with • IEEE 802.11g (OFDM) • IEEE 802.11b (DSSS)
Safety Certifications	• CE Mark • FCC

Perfomance

Frequency Band	2.4 GHz
Data Rate	Up to 54Mbps (with Automatic Scale Back)
Host Interface	32-bit PCI
Operating Voltage	5VDC+/-5%
Media Access Protocol	CSMA/CA (Collision Avoidance) with ACK
Modulation	DQPSK, DBPSK, CCK
Signal Type	OFDM/DSSS
Receive Sensitivity	• -83 dBm@11Mbps • -70 dBm@54Mbps
Average Output Power	• 19 dBm@11Mbps • 15 dBm@54Mbps
Power Consumpption	• 3.3V dC • 350mA Tx • 250mA Rx • 18mA Standby Mode
Data Encryption	• 64/128-bit WEP • TKIP • WPA
Frequency Accuracy	-25~25 ppm
Antenna Connector	SMA, detachable antenna
Operating Channels	• 1 to 11 channels (US, Canada) • 1 to 13 channels (Europe) • 1 to 14 channels (Japan)
Drivers/Operating System Supported	Windows XP/2000/ME/98SE
Wireless Operation Modes	• Infrastructure mode (Access Point mode) • Ad-Hoc mode (Peer-to-Peer mode)
Management	Client Manager (Ralink Wireless Utility)

Physical and Environment

Environmental Requirements Operating temperature : Storage temperature : Operating humidity : Non-operating humidity :	 0°C to 55°C -20°C to 65°C 10% to 90% 5% to 95% relatively humidity non-condensing
Physical Dimension (For PCB)	120mm x 40mm x 1.6mm (L x W x H)
Weight	62g

This document may become superseded, in which case you may find its latest version at:

http://www.compex.com.sg/prodspec.asp?f=Manual&s=1

FCC NOTICE: This device has been tested and found to comply with the limits for a **Class B** digital device, pursuant to **Part 15 of the FCC Rules**. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device 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 device does cause harmful interference to radio or television reception, the user is encouraged to try to correct the interference by one or more of the following measures:

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

Caution: Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

FCC Compliance Statement: 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.

Products that contain a radio transmitter are labeled with FCC ID and may also carry the FCC logo.

Caution: Exposure to Radio Frequency Radiation.

To comply with the FCC RF exposure compliance requirements, the following antenna installation and device operating configurations must be satisfied:

a. For configurations using the integral antenna, the separation distance between the antenna(s) and any person's body (including hands, wrists, feet and ankles) must be at least 2.5cm (1 inch).
b. For configurations using an approved external antenna, the separation distance between the antenna and any person's body (including hands, wrists, feet and ankles) must be at least 20cm (8 inch).

The transmitter shall not be collocated with other transmitters or antennas.

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

DECLARATION OF CONFORMITY: *Compex, Inc. declares that the product:*
Product Name: Compex Wireless-G Network PCI Adapter
Model No.: WLP54G *conforms to the following Product Standards:*
Radiated Emission Standards: ETSI EN 300 328-2: July 2000; FCC: 47 CFR Part 15, Subpart B, ANSI C63.4-1992; 47 CFR Part 15, Subpart C (Section 15.247), ANSI C63.4-1992.
Conducted Emission Standards: ETS 300 826: Nov. 1997.
Immunity Standards: IEC 801-2; IEC 801-3; IEC 801-4
Low Voltage Directive: EN 60 950:1992+A1: 1993+A2: 1993+A3; 1995+A4; 1996+A11: 1997
Therefore, this product is in conformity with the following regional standards: FCC Class B – following the provisions of FCC Part 15 directive; **CE Mark** – following the provisions of the EC directive.

Manufacturer's Name: Compex, Inc. **Address:** 4051 E. La Palma, Unit A, Anaheim, CA 92807, USA	**European Contact & Technical Support** ReadyLINK Networktechnology GmbH, Albert Einstein Straβe 34/M21, 63322 Rödermark, Germany **Fax:** ++49 (60) 749-0668

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WARRANTY REGISTRATION CARD

[M-0088-V2.3C]

COMPEX
networks@work

You can register via Internet at:	**http://www.cpx.com** *or* **http://www.compex.com.sg**

Or E-mail: **support@compex.com.sg** with the following information:

To activate the warranty, please complete this card and return to Compex within ninety (90) days of purchase date.

Product:		Purchase Date:		Revision:		Serial No:	
Name:			Title:			E-mail:	
Company:					Dept:		
Address:						City:	
Postal/Zip Code:				State:		Country:	
Phone: ( )				Extn:		Fax: ( )	
Computer in which this product is installed?			Model:			Serial No:	

Network protocol (Check all that apply):	❑ TCP/IP	❑ IPX/ODI	❑ XNS	❑ OST	❑ DLC	❑ DECnet
	❑ NDIS	❑ SNA	❑ NBP	❑ Other:		

Network Operating System (Check all that apply):	**Novell NetWare**: ❑ 3.X ❑ 4.X ❑ 5.X		SCO Unix: ❑ Openserver Ver:
	Microsoft Windows: ❑ NT4.0 ❑ 95 ❑ 98 ❑ Win 2000		
	Linux: ❑ Red Hat Ver: ____ ❑ SUSe Ver:____ ❑ Others: ____ Ver: __		
	Others NOS:		Ver: .

Applications used on network processing (Check all that apply):	❑ Desktop Publishing	❑ Word Processing	❑ Accounting
	❑ CAD/CAM	❑ Spreadsheet	❑ Database Management
	❑ E-mail ❑ Other:		

How did you learn about Compex?	❑ Work ❑ Friend	❑ Internet	❑ Dealer	❑ Magazine	❑ Exhibition
	❑ Other:				

Note:
For purchases within U.S.A and Canada, please fax to Compex, Inc. at (714) 630-6521

For purchases outside U.S.A and Canada, please fax to Compex Systems Pte Ltd at (65) 6280-9947