Quick Install Guide

Compex Wireless-G Network PCI Adapter

WLP54G Ordering Information: WLP54G 2a

Version 1.2





Compex iWavePort WLP54G Figure 1

Compex iWavePort WLP54G is a 54Mbps PCI Wireless LAN adapter. Utilizing 2.4GHz radio frequency band, Compex iWavePort WLP54G provides 54Mbps network connectivity via open air. Data security is facilitated with either 64-bit or 128-bit WEP (Wired Equivalent Privacy). Compex iWavePort WLP54G supports easy Plug and Play installation. Compex iWavePort 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 iWavePort WLP54G into your PCI slot as shown above.
- 3. Power up your PC.





October 2004 2.1 noisreV M-0413-V1.2C Manual Number: 1. Introduction

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.

ALINK Wireless Network Co	ard Setup	×
Welcome to the Install of W Please select one of install op 'PS, Please remove all old card	iresless LAN Adopter ions beliew if you want to install new card.	
Ralink	RT2500 Wireless LAN Card Setup will install the wireless network driver and its utilities on your system. Easy Install Install the Wireless Lan driver and its utilities automatically.	
diristall Skild	Cancel	

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.

elect Country		
Select your loca	ation country now:	
United States o	f America - (1-11)	•
United States o	f America - (1-11)	•

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**.

P	🕻 Ralink Wireless Ut	ility						×
	Link Status Site Survey	Statistics Advan	ced A	bout				
	SSID	BSSID	Sig	C	Encry	Authent.	Network T 🔦	
	549-2	00-80-48-28-E6	10	10	None	Unknown	Infrastruct.	
	GoldTice	00-02-2D-AE-22	96%	1	WEP	Unknown	Infrastruct	
	compex	00-80-48-2A-CA	10.	3	None	Unknown	Infrastruct.	
	ts-18-3	00-0B-68-31-C9	10	2	None	Unknown	Inhastruct.	
	54g-wea	00-80-48-28-CD	10	6	WEP	Unknown	Infrastruct.	
	NP18 Test Su	00-08-68-31-C9_	94%	2	None	Unknown	Infrastruct.	
	compex8000	00-80-48-22-33	10	3	None	Unknown	Inhastruct.	
~	wpe54g-test-ta	00-80-48-28-CB	68%	4	WEP	Unknown	Infrastruct	
	guests_wlan	00-80-48-28-CB	39%	6	None	Unknown	Infrastruct	
	TEST	00-80-48-28-E6	10	10	None	Unknown	Inhastruct.	
	wpe54g-compex	00-80-48-28-CC	10	13	WEP	Unknown	Infrastruct.	
	5495	00-80-48-28-E4	10	10	None	Unknown	Infrastruct 🗸	
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	Disconnected		Resca	n	Cor	nect I	Add to Pmble	
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						0K	Help	

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.

System F	lestore	Automa	atic Updates	Remote
General Comp		uter Name Hardware		Advance
Add Hardw	are Wizard	n seens on	n. 189 xo2320 a	
S	he Add Harc	lware Wizard h	elps you install hard	ware.
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			Add Hardwa	re Wizard
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 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.



 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.

10	위브	(H)	Accessories	•		-		
Er	Activate Windows	1	Adobe	۲	1		10.	
		1	Gadwin Systems	۲			1000	.
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AL		2	Microsoft PowerPoint		and the second			
	Windows Update	W	Microsoft Word					
-			Outlook Express		State State State	-	Contraction of the	

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

SSID	BSSID	Sig	C	Encry	Authent	Network T
NP18 Test Su	00-0B-6B-31-C9	94%	2	None	Unknown	Infrastruct
ts-18-3	00-0B-6B-31-C9	10	2	None	Unknown	Infrastruct
SoldTree	00-02-2D-AE-22	99%	1	WEP	Unknown	Infrastruct
😹 c mpex	00-80-48-2A-CA	10	3	None	Unknown	Infrastruct
wpe54g-test-ta	00-80-48-2B-CB	70%	4	WEP	Unknown	Infrastruct
54g-wea	00-80-48-2B-CD	10	6	WEP	Unknown	Infrastruct
54g-5	00-80-48-2B-E4	10	10	None	Unknown	Infrastruct
Connected <> comp	ex	Rescar	1	Conr	iect .	Add to Profile

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.

Launch Config Utilities	
Use Zero Configuration as Configuration utility	
Exit	

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.

Programs	Accessories	
📴 👩 Documents	Ahead Nero	and the second se
Settings	Games Macromedia FreeHand 10	
2 🔎 Search	🕨 🛗 RaLink	▶ 🚔 RT2500 → 🌉 CC5
Help and Support	Adobe Acrobat 6.0 Professional Microsoft PowerPoint	RaConfig2500
80 Run	Microsoft Word	
💈 🔟 Shut Down	×	

4. Un-install Compex iWavePort 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**.

1	Programs	Accessories	: 6			
Da la	Documents	Ahead Nero	•			
fessio	Settings	 Games Macromedia FreeHand 10 	:			
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* ?	Help and Support	Adobe Acrobat 6.0 Professional			र	RaConfig2500 Uninstall
mopular and a second	Run	Microsoft Word 3 Outlook Express				
N I	Shut Down	×				

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

RALINK WIreless Network Ca	ard Setup	
Welcome Modily, repair, or remove the pro	og an.	
Ralink	Welcome to the RT2500 Wreless LAN Lad Selup Mantenance program. This program lefts your modify the current installation. Click one of the options below. Modify Select new program features to add to select currently installed features to remove • Reset Resetal all program features installed by the previous setup. • Reset Reserver • Reserver Remove all installed features.	
InstallShield	Cancel	

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

Confirm Uninsta	U		
Do you want to cor	mpletely remove the se	lected application and Cancel	all of its features?

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

RALINK	Wireless Network Card Setup
(į)	You can unplug the RT2500 Wireless LAN Card from your computer.
	ОК

Tech	nical Specification								
Network Protocol, Standards and Electrical Emissions									
Industry Standards	Interoperable with • IEEE 802.11g (OFDM) • IEEE 802.11b (DSSS)								
Safety Certifications	CE MarkFCC								
	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	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

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