

# 108M Wireless Cardbus Adapter



# **User Manual**



1. Preface 1
1.1 Features2
1.2 Packing Content2
1.3 Hardware description3
1.4 System Requirements3
1.5 Wireless LAN Modes4
A. Infrastructure mode4
B. Ad-Hoc mode5
2. Software Installation
2.1 Before You Start6
2.2 Install Software6
3. Driver Installation10
4. Setting Network Protocol12
5. Wireless configuration14
5.1 Connect to AP (Infrastructure Mode)14
5.2 Connect to network adapter (Ad-Hoc Mode)
5.3 lf no available AP for connecting
6. Security Configuration
6.1 Setting ESSID22
6.2 Setting WEP23
6.3 Setting WPA25
[WPA-PSK]25
[WPA-Enterprise]26
7. Utility Introduction
7.1 Configuration28
7.2 Status
7.3 Option
7.4 About
8. FAQ
9. Specification
10. About corega

corega WLCB54GS gives you both freedom of movement and flexibility of access! Designed to the IEEE802.11g specification, this versatile PC card offers speeds up to nearly five times faster than widely deployed IEEE 802.11b wireless networks found in homes, businesses, and public wireless hotspots around the world. With Atheron Super G mode, the transmission rate can even speed up to 108Mbps!

# 1.1 Features

- Works with both IEEE802.11b & IEEE802.11g
- Speeds up to 108Mbps
- Office roaming for notebook PC users
- 64&128&152bit WEP, WPA encryption
- · Shared broadband Internet access and resources

# **1.2 Packing Content**

Before installation, please make sure the packing content is completed. If something loss please contact your local vender.

- Wireless 108 Mbps Access Point
- Power Adapter
- Ethernet Cable
- Product Stand
- Detachable antenna
- Quick Installation Guide
- Manual

## 1.3 Hardware description



- 1. Power LED Indicate power status.
- 2. Link LED Blink: searching for wireless signal On: connected Off: disconnected

### **1.4 System Requirements**

- A laptop or notebook computer with an available 32-bit cardbus slot
- Windows XP/2000/Me/98SE
- At least 32 MB of memory and a 300 MHz processor
- An 802.11g or 802.11b access point (for Infrastructure mode), or another 802.11g or 802.11b wireless adapter (for Ad-Hoc, Peer-to-Peer networking mode).

# **1.5 Wireless LAN Modes**

There are two basically modes of networking for setting:

# A. Infrastucture mode

Infrastructure networking differs from ad-hoc networking in that it includes an access point. Unlike the ad-hoc structure where users on the LAN contend the shared bandwidth, on an infrastructure network the access point can manage the bandwidth to maximize bandwidth utilization. Additionally, the access point enables users on a wireless LAN to access an existing wired network, allowing wireless users to take advantage of the wired networks resources, such as Internet, email, file transfer, and printer sharing. Infrastructure networking has the following advantages over ad-hoc networking:

- Extended range: each wireless LAN computer within the range of the access point can communicate with other wireless LAN computers within range of the access point.
- Roaming: the access point enables a wireless LAN computer to move through a building and still be connected to the LAN.
- Wired to wireless LAN connectivity: the access point bridges the gap between wireless LANs and their wired counterparts.



# B. Ad-Hoc mode

Also known as a peer-to-peer network, an ad-hoc network is one that allows all workstations and computers in the network to act as servers to all other users on the network. Users on the network can share files, print to a shared printer, and access the Internet with a shared modem. However, with ad-hoc networking, users can only communicate with other wireless LAN computers that are in the wireless LAN workgroup, and are within range.



# 2.1 Before You Start..

1. **Hardware Installation:** please insert corega WLCB54GS into the carbus slot in your notebook first, and when it appears following screen please click [Cancel] to ignore it.



- 2. Please prepare OS installation driver CD (Windows 98/Me) before the installation.
- 3. Please notice next section is taken Windows XP OS for instance, and some screens will differ from others.

# 2.2 Software Installation

1. Please put installed CD into CD-ROM.

2. Please select [English].



### 3. Please select [Install Software].



4. Click [Next].



5. Please confirm the path, if no changes please click [Next].

CG-WL54GS - InstallShield Wizard		×
Choose Destination Location Select folder where setup will install files.		
Setup will install CG-WLCB54GS in the following	folder.	
To install to this folder, click Next. To install to a another folder.	different folder, click Brows	e and select
Destination Folder C:\Program Files\corega\CG-WLC854GS\ InstallSmeld		Browse
	< Back	Cancel

### 6. Click [Next].

CG-WLCB54G5 - InstallShield Wizard	×
Select Program Folder Please select a program folder.	X
Setup will add program icons to the Program Folder listed below. You may type a name, or select one from the existing folders list. Click Next to continue.	new folder
Program Folder:	
corega CG-WLCB54GS	
Existing Folders:	
Accessofies MWSnap Startup	
InstallShield	Cancel

7. Finished, please choose [Yes]=>computer restart.



1. After restarting the computer, it will show up [Found New Hardware] screen, if not, please re-insert corega WLCB54GS again.

Found Ne	w Hardware
<b>H</b>	CG-WLCB54GS
Installing	J

2. When it shows up below screen, please click [Continue Anyway] (or [Yes] in Windows 2000 OS) directly without worries.

[In Windows XP]

Hardwa	re Installation
1	The software you are installing for this hardware: CG-WLCB54G3 has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.
	Continue Anyway

### [In Windows 2000]



3. Now driver installation is completed, and you will see icon appears on system tray. 1. From the [Start Menu], select [Settings] => select [Control Panel]=>select [Network]=> press right button of the mouse, and select [properties].

F	<b></b>		
Make New Connection	Local Area Connection	Local Area Connection	Disable <b>Status</b>
			Create Shortcut Delete Rename
			Properties

2. In [General] tab, Please select [Internet Protocol (TCP/IP)]=> click [Properties].

al Area Connection 2	Properties	
eneral Sharing		
Connect using:		
CG-WLCB54GS		
		Configure
Components checked a	re used by this conne	ection:
🗹 📇 Client for Micros	oft Networks	
🗹 📮 File and Printer S	Sharing for Microsoft	Networks
NetBEUI Protoc	ol	
Internet Protoco	I (TCP/IP)	
Internet Protoco	I (TCP/IP)	
Internet Protoco	I (TCP/IP)	Properties N
		P <u>r</u> operties
Install	Uninstall Protocol/Internet Pro otocol that provides (	otocol. The default
Install Description Transmission Control wide area network pr across diverse interco	Uninstall Protocol/Internet Pro otocol that provides o onnected networks.	otocol. The default
Install Description Transmission Control wide area network pr	Uninstall Protocol/Internet Pro otocol that provides o onnected networks.	otocol. The default
Install Description Transmission Control wide area network pr across diverse interco	Uninstall Protocol/Internet Pro otocol that provides o onnected networks.	otocol. The default
Install Description Transmission Control wide area network pr across diverse interco	Uninstall Protocol/Internet Pro tocol that provides i onnected networks. Ir when connected	otocol. The default

4

3. Please select [General] tab => select both [Obtain an IP address automatically] and [Obtain DNS server address automatically] (Recommended) => click [OK].

nternet Protocol (TCP/IP) Proj	perties	?>
General		
this capability. Otherwise, you ne the appropriate IP settings.	l automatically if your network supp ed to ask your network administrat	
Obtain an IP address auton		
C Use the following IP addres	38:	
[P address:	+ + +	
Sybnet mask:	+ + +	
Default gateway:	4 4 4	
Obtain DNS server address     O Use the following DNS server		
Preferred DNS server:	+ + +	
Alternate DNS server:	+ + +	
	Ad <u>v</u> an	ced
	ОК	Cancel

4. Return back to [Local Area Connection Properties] screen => click [OK] to close it.

# 5.1 Connect to AP (Infrastructure Mode)

 Double click icon on system tray, and it will show up the utility screen. If there's no icon appears on system tray, please press [Start] => [Programs]=>[corega CG-WLCB54GS]=> [Wireless LAN Utility].



2. You will see available AP listing in [Availabe WLANs] from Configuration tab. If it displays nothing, please press [Refresh], else, please verify the AP setting.



5

3. Please select one of available AP listing => then press [Add] button, or double click the selection, => it will show up [Wirless Newtork Properties] screen, if the selection has configured with WEP/WPA encryption, please make the same setting as its. (Regarding encryption configuration please refer Chapter 6) => Press [OK] button.

Wireless Network Properties
Wireless network <u>n</u> ame (ESSID):
Wireless network key (WEP) This network requires a key for the following:
Authentication Mode: Open System 💌
Data Encryption:
Key length: 64 bits - 10 Hexadecimal digits(0-9.
Key <u>1</u> :
Key <u>2</u> :
Key <u>3</u> :
Key <u>4</u> :
Default key: Key 1
Enable 802.1X Authentication Config
This is a computer to computer (ad hoc) network; no access points are used.
IP & Proxy Setting OK Cancel

4. Please press [Apply] to get ready to connect with the device(AP).

		o setup.					Refre	sh	A <u>d</u> d	_
ESSID	MAC(BSSID)	Signal		Security	CH	Freq	Mo	Su	XR	
🕻 corega-test	00:0D:88:64:AC:4B		<del>@</del> >>>		10	2.457Ghz	g			
💡 STR-0126	00:0A:79:36:23:18			Disable	1	2.412Ghz	g			
🛔 corega	00:0D:88:FA:57:4E			Disable	6	2.437Ghz	g			
🛔 SunForce Tec			<u>@</u> >>>		11	2.462Ghz	g			
allied telesis		<b>a</b> 4		Disable	11	2.462Ghz	g			
Profile Group Contr	ol – B	Preferred W	₩LA	.Ns:						
Profile <u>G</u> roup Contr lease select a profile		-		.Ns: onnect to ave	ilable	WLAN per l	below		<u>N</u> ew	
		utomatical	lly co	onnect to ava	Sect	urity			<u>N</u> ew <u>R</u> emo	_
	group to apply : A	utomatical	lly co	onnect to ava	Sect		٦			ve
		-			ilable	WLAN per l	below		<u>N</u> ew	

\*Note:

- 1. You will see a  $\mathfrak{P}$  icon on the left side of the device name when WLCB54G5\_has connected with the device.
- 2. You may press icons to change the ranking of [Preferred WLANs], and you may click 🖼 icon to fix one of them, =>then press [Apply] to save the changes.
- 3. Please verify it can connect to internet successful or not.

## 5.2 Connect to network adapter (Ad-Hoc Mode)

- 1. Double click icon on system tray, and it will show up the Utility screen. If you can't see icon on system tray, please press [Start] => [Programs] =>[corega CG-WLCB54GS] => [Wireless LAN Utility].
- 2. Please select the ESSID with 🛹 icon (which set as [Ad-Hoc

mode]) on the left side in [Available WLANs] of [Configuration] tab, => and press [Add] button or double click the selection.

ESSID	MAC(BSSID)				and the second	1.5
		Signal	Security	CH	Freq	Mode
> 0095-1		<b>3</b> 90%	Disable	11	2.462Ghz	g
0096	00:0A:79:25:AF:70	100%		2	2.417Ghz	g
CTEST-1 0095-1	00:0A:79:36:2A:B0 00:C0:02:77:77:77	<b>3</b> 82% <b>3</b> 94%	WEP Disable	8 11	2.447Ghz 2.462Ghz	g
rofile Group Control – ease select a profile (		ferred WLAN	s: mect to available W		a laur au laur	New
outo contor a promo		ESSID	Securi			Bemove
	Bename	🔏 corega	Open S	ystem		Properties
	Dejete				J.	Maye to

3. Please select one of the listing, =>then press [Add] button, or double click the selection, => it will show up [Wireless Network Properties] screen, if the selection had configured with WEP/WPA encryption, please make the same setting as its. (Regarding encryption configuration please refer Chapter 6) => Press [OK] button.

Wireless Network Properties 🔀
Wireless network name (ESSID):
Wireless network key (WEP) This network requires a key for the following:
Authentication Mode: Open System
Data Encryption:
Key length: 64 bits - 10 Hexadecimal digits(0-9.
Key <u>1</u> :
Key <u>2</u> :
Key <u>3</u> :
Key <u>4</u> :
Default key: Key 1
Enable 802.1X Authentication Config
This is a computer to computer (ad hoc) network; no access points are used.
IP & Proxy Setting OK Cancel

4. Please Press [Apply] to get ready to connect with the device (AP).

		setup.				R <u>e</u> fresh	Add	
ESSID	MAC(BSSID)	Signal		Security	СН	Freq	Mode	
Ø 0095-1	00:87:D6:87:94:1D	<b>J</b> 90%		Disable	11	2.462Ghz	9	
1 0096	00:0A:79:25:AF:70	<b>a</b> 100%	000	WEP	2	2.417Ghz	g	
L CTEST-1	00:0A:79:36:2A:B0	<b>B</b> 82%	<b>@</b> \$\$\$	WEP	8	2.447Ghz	9	
1 0095-1	00:C0:02:77:77:77	<b>J</b> 94%		Disable	11	2.462Ghz	g	
Profile Group Cont lease select a pro		referred WLAN		to available V	/LAN per l	helow order	New	
	ofile group to apply : AL			: to available V	/LAN per l	below order:	New	
				to available V			<u>N</u> ew Bemove	
	file group to apply : Au	tomatically co	onnect		ity	below order:	Eemove	
	ofile group to apply : AL	itomatically co	onnect	Secur	ity	- -		
	file group to apply : Au	itomatically co	onnect	Secur	ity		Eemove	

\*Note:

- 1. You will see a licon on the left side of ESSID when WLCB54GS has connected with the device.
- 2. You may press icons to change the ranking of [Preferred WLANs], and you may click icon to fix one of them, =>then press [Apply] to save the changes.
- 3. Please verify it can connect to internet successful or not.

## 5.3 If no available AP for connecting..

1. Click [Configuration] tab, => then press [New] button.

connect to ava				low	-	Refr		Add
ESSID corega	MAC(BSSID) 00.0D.88 FA 57	Signal	Security Disable	CH	Freq 2.437Ghz	Mo	. Su	XR
ofile Group Co	ntrol	-Preferred W	LANS					
ofile <u>G</u> roup Co ase select a pro	ntrol	-	ILANs:	ailable	WLAN per	below		New
	file group to apply :	-	ly connect to av	ailable Secu		below		
	file group to apply : <u>New</u>	Automaticall	ly connect to av			below		Remove
	file group to apply :	Automaticall	ly connect to av			below		
	file group to apply : <u>New</u>	Automaticall	ly connect to av			below	k J	Remove

2. It will show up [Wireless Network Properties] screen, please make the same setting as the device (AP) which you will connect to => press [OK] button.

Wireless Network Prop Wireless network name (ES Wireless network key () This network requires a	SID): corega 1 WEP)
A <u>u</u> thentication Mode:	Open System 💌
Data <u>E</u> ncryption:	Disable
Key length: 64	bits - 10 Hexadecimal digits(0-9 💌
Key <u>1</u> :	
Key <u>2</u> :	
Key <u>3</u> :	
Key <u>4</u> :	
Default key: Key 1	V
	Authentication Config
This is a computer to a access points are used.	computer (ad <u>h</u> oc) network; no
IP & Proxy Setting	<u>OK</u> <u>Cancel</u>

3. The device (AP) had added in the listing of [Preferred WLANs], =>press [Apply].

orega Wireless LAN Uti	lity							
Configuration Status	Option About	1						
Available WLANs:								
To connect to availab	ole WLAN, click Add t	o setup.				Refre	sh	A <u>d</u> d
ESSID	MAC(BSSID)	Signal	Security	CH	Freq	Мо	Su	XR
i corega	00:0D:88:FA:57:4D	扇 8	Disable	6	2.437Ghz	g		
1								
Profile <u>G</u> roup Contro Please select a profile		Preferred W						New
Tiease seneer a prome			ly connect to av			Delow		
	New	ESSIE CO:		Sect		-		Remove
	Rename	¥ co:	rega 1	Open	System		个	Properties
								11gpointo
	Delete						ſ	Move to
	Delete						Ţ	Move to
							↓ -¤	
	Delete				ок 1		↓ ₩	Move to

6

There are 4 security setting ways for preventing intruders from Wireless LAN.

### • ESSID (Extended Service Set IDentifier)

ESSID (or SSID) is the name of a wireless local area network (WLAN). All wireless devices on a WLAN must employ the same ESSID in order to communicate with each other. You may set either manually, by entering the SSID into the client network settings, or automatically, by leaving the SSID unspecified or blank. Some newer wireless access points disable the automatic SSID broadcast feature in an attempt to improve network security.

### • WEP (Wireless Encryption Protocol)

WEP is available in 64-bit, or in 128-bit encryption modes. As 128-bit encryption provides a longer algorithm that takes longer to decode, it can provide better security than basic 64-bit encryption. Recommended enable this function to protect the data stream.

### • WPA (Wi-Fi Protected Access)

Wi-Fi Protected Access which authorizes and identifies users based on a secret key that changes automatically at regular intervals. WPA uses TKIP (Temporal Key Integrity Protocol) to change the temporal key every 10,000 packets (a packet is a kind of message transmitted over a network.) This ensures much greater security than the standard WEP security. (By contrast, the previous WEP encryption implementations required the keys to be changed manually.)

### 802.1X Authentication

It's a first line of defense against intrusion. In the authentication process, the Authentication Server\* verifies the identity of the client attempting to connect to the network. Unfamiliar clients would be denied access.

# 6.1 Setting ESSID

6.1.1 Double click 1 icon on system tray, and it will show up the Utility screen. If you can't see 1 icon on system tray, please press [Start] => [Programs]=>[corega CG-WLCB54GS]=> [Wireless LAN Utility].

6.1.2 Press [New] button.



3. It will show up [Wireless Network Properties] screen, key in the same ESSID name as the AP which will be connected to, => then press [OK].

Open System 🔻
Disable
oits - 10 Hexadecimal digits(0-9 💌
T.
Authentication Config
omputer (ad <u>h</u> oc) network; no

### 6.2 Setting WEP

- 6.2.1 Double click <sup>™</sup> icon on system trav, and it will show up the Utility screen. If you can't see <sup>™</sup> icon on system tray, please press [Start] => [Programs]=>[corega CG-WLCB54GS]=> [Wireless LAN Utility].
- 6.2.2 Select one of available ESSIDs in [Availabe WLANs].

ng, kinda hati bi	Nay (* 1	4.30		
stadille anie	1 164650 18690 1			
And the second	n vennen ander an		1.00	www.dl <u>town</u> dd
	1 (1966) (1960) (1960)			<u>zi sci , eqt.</u>
corege-test	00.0D.88.64 AC 4B 🔊 4			<u> </u>
Q 3880(s)	<u> </u>			
1 comga 1 SunFours Inc	00.0D.00.FL57.0E 57 1 00.07.40.E0.FE.2A 57 8	Disable	6 2.4370ha 11 2.4630ha	- J
a starour re	00.0A 79:19:17 AF 4		(1 2.4630hz	: 1
1 10000 00000	anounterates (3)	- 100000	2 0.000	: 꾀
Baskley Impan <sup>2</sup> and	44	3.90.98%		
andre Generation Newspace of the second	Sectional Sectional		an Talana an	ः विद्यो
1	- 1 ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (			
<u> </u>		SED .	3364¥	- <u>200</u>
	1822239	1.5.52	Sec. Sec. 1	Properties
	76002			
	- 16 A F			100,000
	AST 1			Section 1
	<u> </u>			<u> </u>
			ок []	Cancel 899

- 6.2.3 Shows up [Wireless Network Properties] screen, => fill in below items:
- (a) [Authentication Mode]: Please select [Open System] (Recommended) or [Shared Key].
- (b) [Data Encryption]: select [WEP].
- (c) [Key length]: select [64 bits or 128 bits]
- (d) [Key1]~[Key 4]: enter the same passwords as AP
- (e) [Default Key]: select the default key. All devices in the same group should select the same key.
- \* Note: please enter 10 characters for 64Bit or 26 characters for 128Bit (number 0~9, and letters a~f).

Wireless Network Properties
Wireless network name (ESSID): STR-0126
Wireless network key (WEP) This network requires a key for the following:
Authentication Mode: Open System
Data Encryption: WEP
Key length: C 64 bits - 10 Hexadecimal digits(0-9,
Key <u>1</u> : <b>d</b> *******
Key <u>2</u> : *********
Key <u>3</u> : *******
Key <u>4</u> : *******
Default key: Key 1
Enable 802.1X Authentication Config
This is a computer to computer (ad hoc) network; no access points are used.
IP & Proxy Setting OK Cancel

### 6.3 Setting WPA

6.3.1 Repeat 6.2.1~6.2.2

6.3.2 Shows up [Wireless Network Properties] screen.

Wireless Network Properties
Wireless network name (ESSID): corega
Wireless network key (WEP) This network requires a key for the following:
Authentication Mode: WPA-PSK (Personal)
Data Encryption: TKIP
Key length: 64 bits - 10 Hexadecimal digits(0-9,
Key <u>1</u> :
Key <u>2</u> :
Key <u>3</u> :
Key <u>4</u> :
Default key: Key 1
Enable 802.1
This is a computer to computer (ad <u>h</u> oc) network; no access points are used.
IP & Proxy Setting OK Cancel

### [WPA-PSK]

- (a) [Authentication Mode]- select [WPA-PSK(Personal)].
- (b) [Data Encryption]-select [TKIP] or [AES].
- (c) Press [Authentication Config], it will shows following screen, please enter the password which you first get connected in [WPA Passphrase], and then press [OK] button.
- (d) When return back to [corega Wireless LAN Utility] screen, press [Apply] to save the changes.

	Ivance Security Settings
	WPA-PSK
	WPA Passphrase
<b>Y</b>	EAP Type:
	Certificate
<u>~</u>	Uger Certificate
	🔲 Malidate Server Certificate
	User Information
Domain Name	User Name
	Pessyord
	Confirm Pessword
	TLS Identity
	- Trust CA List
hbà	
Remove	
<u>A</u> dd <u>R</u> emove	,

### [WPA-Enterprise]

Vireless network <u>n</u> ame(ES - Wireless network key (V This network requires a	NEP)
Authentication Mode:	WPA-EAP (Enterprise)
Data <u>E</u> ncryption:	TKIP
Key length: 64	bits - 10 Hexadecimal digits(0-9 💌
Key <u>1</u> :	
Key <u>2</u> :	
Key <u>3</u> :	
Van A.	
Key <u>4</u> :	*
Default key: Key 1	
	C Authentication Config

- (a) Authentication Mode: select [WPA-EAP(Enterprise)].
- (b) Data Encryption: select [TKIP] or [AES].
- (c) Press [Authentication Config] button, it will show up following screen, => select [EAP Type], => press [OK].

Advance Security Settings	×
WPA <u>P</u> assphrase	
ЕАР Туре	
<u>E</u> AP Type:	EAP-TLS
Certificate	
Uger Certificate	
🔲 <u>V</u> alidate Server	Certificate
User Information	
<u>U</u> ser Name	Lomain Name
Trust CA List	
	Add
	Remove
	<u>Keunove</u>
	<u>OK</u> <u>C</u> ancel

(d) When return back to [corega Wireless LAN Utility] screen, press [Apply] to save the changes.

# 7.1 Configuration

This tab is for setting communication mode, ESSID, channel, and WEP encryption function.

o connect to availab	le WLAN, click Add	io setup.					Refre	ish	A <u>d</u> d
ESSID	MAC(BSSID)	Signal		Security	CH	Freq	Mo	Su	XR 4
🕻 corega-test	00:0D:88:64:AC:4B			WPA-PS	10	2.457Ghz	g		
💡 STR-0126	00:0A:79:36:23:18			Disable	1	2.412Ghz	g		
🕻 corega	00:0D:88:FA:57:4E			Disable	6	2.437Ghz	g		
SunForce Tec			<u>@</u> \$\$		11	2.462Ghz	g		
allied telesis	00:0A:79:19:17:AF	<b>a</b> l 4	<u></u>	Disable	11	2.462Ghz	g		
Profile <u>G</u> roup Contro lease select a profile		Preferred 1 Automatical			ailable	WLAN peri	elow		New
	New	ESSI	D		Sect	uity			<u>R</u> emove
	Rename	P 51	IR-0	126	Open	i System			Propertie
	Delete								Move to
								-124	

- (1) Refresh: rescan available wireless devices.
- (2) Add:press this button will add the device which has been selected from [Available WLANs] to [Preferred WLANs], and in the meanwhile it will show up the properties setting screen. After the setting, click [OK] will return to this screen.
- (3) Available WLANs: displays all available wireless devices.
- (4) Profile Group Control: this function is to set a group from [preferred WLANs].
- (5) Preferred WLANs: it displays all devices have been added for preference.

- (6) New: add a new available device in [Preferred WLANs].
- (7) Remove: select one of devices from [Preferred WLANs],=> then press [remove], it will be removed.
- (8) Properties: select one of devices from [Preferred WLANs], => press this button, then it will show up a [Wireless Network Properties] screen for you to modify.
- (9) Move to: press this button will change the ranking of the preference.
- (10) ReConnect: press this button will re-connect the selection of preference.

## 7.2 Status

Display all connection status and device information.

corega Wireless LAN Utility	×
Configuration Status Option About	
Connection State	
Connection Status :	Connected
SSID:	STR-0126
BSSID:	00:0A:79:36:23:18
Network Type :	Infrastructure
Frequency :	802.11g-2.4GHz
Channel :	1
Data Encryption :	Disable
Speed :	54.0 Mbps
Authentication State :	Connected
Signal Strength :	94 %
Hardware Information Ad	vance State
MAC Address : 00:0F:3D:EA:BE:D6 F	adio Status: ON
	OK Cancel Apply

# 7.3 Option

This tab is for advanced setting.

Infiguration Status Option About			
General Setting  Auto launch when Windows start up	Advance Setting		
Remember mini status position     Auto bide mini status	Radio Freguency : Start ad hoc network :	802 11b/g-2 4GHz	•
Set mini status always on top	Adhoc Channel :	Auto	٠
Enable IP Setting and Provy Setting in Profile	Pogger Save Mode :	Disable	2
	Iransmit Power : Super G :	100% ON(compressed)	*
WLAN type to connect for Infeatructure and ad hoc petwork for Infeatructurg network only for ad hoc network only	egtend Range :	Disable	•
Automatically connect to non preferred networks			

# 7.4 About

"About" tab shows you copyright, and utility and driver version information.



# FAQ

8

There are 2 ways for solving your problems if WLCB54GS can't connect to internet as below:

- (1) First, please see following "FAQ" to check your problem.
- (2) Please go to http://www.corega-asia.com, then click "Supports"=>select "Online Customer Support", => fill in the form, =>click "submit". We'll reply you as soon as possible.

Q1.It can't connect to AP/router.

Ans: Please make sure and follow the process as below:

- Verify the install process is correct.
- Verify the driver is installed.
- Verify the networking setting is completed.
- Verify the security setting and ESSID are the same as AP/router.
- Verify AP device is compatible with WLCB54GS.

Q2.I can't get on the internet with WLCB54GS.

- Check that the LED indicators on the modem/router/ap are indicating normal activity. If not, please check that the AC power and Ethernet cables are firmly connected, else, see the modem/router/ap's manual to solve the problem.
- Check that the IP address, subnet mask, gateway, and DNS settings are correctly entered for the network.
- In Infrastructure mode, please make sure WLCB54GS set the same ESSID and security setting as the ap/routers.
- In Ad-Hoc mode, both wireless clients will need to have the same SSID.

Q3. How to get latest driver?

A: Please go to http://www.corega-asia.com, then click

supports=>download =>select "driver", =>select and click the model which you want to upgrade.

Q4. Windows can't recognize WLCB54GS. A:

- (1) Please make sure that WLCB54GS is inserted into the Cardbus slot of your notebook properly (check this when the notebook is powered off).
- (2) Please check if PC Card support is installed. Double-click the PC Card icon on Control Panel. If PC Card support is not activated, you should activate it now.

9

Compliance Standard	IEEE802.11/IEEE802.11b/IEEE802.11g	
LAN Interface	32 bit CardBus (Type II PC Card)	
Protocol	CSMA/CA	
Transmission Method	DS-SS, OFDM	
Network Type	Infrastructure/802.11 Ad-Hoc	
Frequency Band	2.412~2.472 GHz	
Transmission Rate	IEEE802.11b: 11/5.5/2/1Mbps IEEE802.11g: 54/48/36/24/18/12/9/6Mbps	
Transmitter Output Power	IEEE802.11b:Typical 18dBm IEEE802.11g:Typical 12~19dBm	
Coverage Area	<ul> <li>IEEE802.11b: Indoors 100M, Outdoors 300M</li> <li>IEEE802.11g(@54Mbps): Indoors 30M, Outdoors 40M</li> <li>* Environmental factors may adversely affect wireless signal range</li> </ul>	
Roaming	IEEE802.11, Support Automatic/Manual Rescan AP	
Security	ESSID, WEP64&128&152bit, WPA-PSK, 802.1x	
Antenna Type	Printed Antenna	
Power Specifications	<ul> <li>Power Requirements DC 3.3V±5%</li> <li>Current Consumption 500mA (transmit mode), 300mA (receive mode)</li> <li>Power Consumption 1650mW (transmit mode), 1500mW (receive mode), 99mW (power saving mode)</li> </ul>	
Support OS	Windows 98(SE)/2000/ME/XP	
Environmental Requirements		
Operating	Temperature: 0°C~40°C Humidity: <90% (non-condens- ing)	
Storage	Temperature: -20°C~60°C Humidity: <95% (non-con- densing)	
Physical Specifications		
Dimension	54 (W) × 5(D) × 120.5(H) mm	
Weight	40.3 g (main unit)	
Certification	Telec, CE, FCC, VCCI Class B, WiFi, DGT	

corega K.K. designs, develops and markets professional networking products that address the specific needs of small and medium enterprises and home user's easy-to-use, quality and reliable services of networking solutions requirements.

Established in 1986, corega 100% founded by Allied Telesis Group in Yokohama, Japan. corega's core products consists of 10/100/1000 Ethernet products, Wireless Networking Products(802.11 a/b/g series), broadband access routers and other networking peripheral, such as IP camera and PoE Adapter.

Thank you again for purchasing corega WLCB54GS 108Mbps Wireless CardBus Adapter, Wish you would enjoy the powerful and friendly corega connecting experience!!



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