

# 108M Wireless Cardbus Adapter



# **User Manual**

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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

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## 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).

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# **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.

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# 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

6

1. Please put installed CD into CD-ROM.

7

2. Please select [English].



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



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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 different folder, click Browse and select another folder.	
Destination Folder	1
C:\Program Files\corega\CG-WLCB54GS\ Browse	
<back next=""> Cancel</back>	

### 6. Click [Next].

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

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]

Hardwai	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. ( <u>Tell me why this testing is important</u> .) 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. 4

1. From the [Start Menu], select [Settings] => select [Control Panel]=>select [Network]=> press right button of the mouse, and select [properties].

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

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

	?
General Sharing	
Connect using:	
CG-WLCB54GS	1
	Configure
Components checked are used by this connection:	
Y NetBEUI Protocol     S Internet Protocol (TCP/IP)     Install	P <u>r</u> operties
Description	4
Description Transmission Control Protocol/Internet Protocol. wide area network protocol that provides commu across diverse interconnected networks.	The default nication
Description Transmission Control Protocol/Internet Protocol. wide area network protocol that provides commu across diverse interconnected networks.	he default nication

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

iternet Protocol (TCP/IP) Proj General	perties	?
You can get IP settings assigned this capability. Otherwise, you ne the appropriate IP settings.	f automatically if your network supports ed to ask your network administrator for	
Obtain an IP address auton	natically	
C Use the following IP addres	\$8:	
[P address:		
Sybnet mask:	4 4 4	
Default gateway:	a second second	
Obtain DNS server address     Obtain DNS server address     Obtain DNS server	s automatically ver addresses:	
Eletened DNS server:	+ + +	
Alternate DNS server.		
	Ad <u>v</u> anced	
	OK Cano	el

4. Return back to [Local Area Connection Properties] screen => click [OK] to close it. 5

# 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.



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).

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nfiguration Status	Option About	1				
Available WLANs: lo connect to availab	le WLAN, click Add	to setup.			Refr	esh A <u>d</u> d
ESSID	MAC(BSSID)	Signal	Security	CH	Freq Mo	Su XR 🔺
🛔 corega-test	00:0D:88:64:AC:4E	<b>a</b> l 4	∞ WPA-PS	. 10 2.4	157Ghz g	
💡 STR-0126	00:0A:79:36:23:18	<b>,</b> 9	Disable	1 2.4	112Ghz g	
🛔 corega	00:0D:88:FA:57:4E	<b>"ק</b> 1	Disable	6 2.4	437Ghz g	
🛔 SunForce Tec	00:07:40:E8:FE:2A	<u>जी</u> 8%	🕬 WEP	11 2.4	162Ghz g	
🛔 allied telesis	00:0A:79:19:17:AF	<b>a</b> 4	Disable	11 2.4	462Ghz g	-
lease select a profile	group to apply :	Automatical	lly connect to av	ailable WL	AN per below	New
	New	ESSII	D	Security		Remove
		-		0.0		
	Rename	8 8	IR-0126	Open sy	sem	Properties
	Rename Delete	8 8	IR-0126	Open sy:	aem	Move to
	Rename Delete Select	9 SI	IR-0126	Open sy	stem.	Properties           Move to           Reconnect

\*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.

reein					2	10
-3310	MAC(BSSID)	Signal	Security	CH	Freq	Mode
» 0095-1	00:87:D6:87:94:1D	<b>3</b> 90%	Disable	11	2.462Ghz	g
0096	00:0A:79:25:AF:70	100%	😂 WEP	2	2.417Ghz	g
CTEST-1	00:0A:79:36:2A:B0	2 82%	🕬 WEP	8	2.447Ghz	g
rofile Group Control	Pre	ferred WLAN	s:	// ANI		
cuse select a prome	Add	ESSID	nect to available vi Securi	itu l	below order:	Bemove
	Bename	🐴 corega	Open S	ystem		Properties
	Delete				1	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.

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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.				Herresh	Add
ESSID	MAC(BSSID)	Signal		Security	CH	Freq	Mode
Ø 0095-1	00:87:D6:87:94:1D	🔊 90%		Disable	11	2.462Ghz	9
1 0096	00:0A:79:25:AF:70	🔊 100%	<b>@</b> \$\$\$	WEP	2	2.417Ghz	g
CTEST-1	00:0A:79:36:2A:B0	🔊 82%	<b>@</b>	WEP	8	2.447Ghz	9
1 0095-1	00:C0:02:77:77:77	<b>a</b> 94%		Disable	11	2.462Ghz	g
'rofile Group Cont ease select a pro	rol	referred WLAI	Ns:	to available \	/L áN per l	below order:	Nau
'rofile Group Cont ease select a pro	rol E	referred WLAI itomatically co	Ns: Innect	to available V	/LAN per l	below order:	New
Profile Group Cont ease select a pro	rol A	referred WLAI itomatically co	Ns:	to available V	/LAN per l	below order:	<u>N</u> ew Bemove
Profile Group Cont lease select a pro	rol Add	referred WLAI itomatically co ESSID © corega	Ns:	to available V Secur Open S	/LAN per l ity	below order:	<u>N</u> ew <u>E</u> emove
Profile Group Cont lease select a pro	file group to apply : A Add Herrome	referred WLAI itomatically co ESSID © corega	Ns:	to available V Secur Open S	/LAN per l ity	below order:	<u>N</u> ew <u>H</u> emove Properties
Profile Group Cont lease select a pro	file group to apply : A Add Henome Dejete	referred WLAI utomatically co ESSID © corega	Ns:	to available V Secur Open S	/LAN per l ity System	below order:	New Eemove Properties Move to

\*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.

ANNU D	MAC/PSSID)	Simol	Security	CH Ema	Ma	C. VD
corega	00:0D:88:FA:57	4D 31 8	Disable	6 2.4370	hz g	SU AK
rofile <u>G</u> roup Cor	ntrol	Preferred W	LANs:			
sase select a pror	ne group to appry .	Automaticall	/ connect to av:	ailable WLAN j	ber below	New
	New	ESSID		Security		<u>Remove</u>
	Rename					Propertie

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.

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Vireless network <u>n</u> ame(ES – Wireless network key (V This network requires a	SID): corega 1 NEP) key for the following:
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	Y
	Authentication Config
This is a computer to access points are used.	computer (ad <u>h</u> oc) network; no
IP & Proxy Setting	OK Cancel

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

corega Wireless LAN Uti	lity						×
Configuration Status	Option About	1					
Available WLANs:							<b></b> _
To connect to availab	de WLAN, click Add b	o setup.				R <u>e</u> fresh	Add
ESSID	MAC(BSSID)	Signal	Security	CH	Freq	Mo St	1 XR
L corega	00:0D:88:FA:57:4D	詞 8	Disable	6	2.437Ghz	g	
Profile Group Contr		Preferred W	LANS:				
Flease select a profile	group to apply : A	utomaticall	y connect to av	ailable	WLAN per	below	New
	New	ESSIE		Secu	urity		Remove
	Rename	💡 coi	rega 1	Open	system.	<u>10</u>	Properties
	Delate					J	Maria la
	mefere						
	Select						Re <u>C</u> onnect
					OK	Cancel	Apply

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 T 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].

6.1.2 Press [New] button.

corega Wireless LAN Util	ity								×
Configuration Status	Option About	1							
Available WLANs: To connect to availab	le WLAN, click Add t	o setup.				Refre	sh	A <u>d</u> d	J
ESSID	MAC(BSSID)	Signal	Security	CH	Freq	Mo	Su	XR 🔺	
i corega-test	00:0D:88:64:AC:4B	🔊 4 🔛	WPA-PS	10	2.457Ghz	g			
💡 STR-0126	00:0A:79:36:23:18	<b>, ק</b> 9	Disable	1	2.412Ghz	g			
i corega	00:0D:88:FA:57:4E	<b>an</b> 1	Disable	6	2.437Ghz	g			
SunForce Tec	00:07:40:E8:FE:2A	J 8% 🗠	WEP	11	2.462Ghz	g			1
allied telesis	00:0A:79:19:17:AF	<b>a</b> l 4	Disable	11	2.462Ghz	g		-	1
	00.01.20.26.06.06		0/1715	7	0.440/01-				
Profile <u>G</u> roup Contro Please select a profile	group to apply :	Preferred WLA utomatically c	.Ns: onnect to avai	ilable	WLAN per l	below		<u>N</u> ew	J
	New	ESSID	1	Secu	urity	_		Remove	1
	Rename	₽ STR (	0126	Open	System		个	Properties	i
	Delete							<u>bf</u> ove to	1
	Select						-14	ReConnect	
					ок	Can	cel	Apply	

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].

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Wireless network key ( <sup>1</sup> This network requires a	NEP) key for the following:
Authentication Mode:	Open System 💌
Data Encryption:	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	T
<b>E</b> nable 802.1 <u>X</u>	Authentication Config
This is a computer to	computer (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].

205. Amile 140 05	Ny 👘		- 4 - 5 L		18.	2
South State	1 184600 Mayo	ji 🛛				
1. Assimilar Windows		a-				`
A2-1911104-154-141	時期的時代的主要的意思	dia (aliante)			和品	Joint .
61810:	CONTRACTOR:	Xunii.	Sections 1 8	H Ref.	11984-J (584-,	21.30
a compa-test	00.0D.88.64 AC 4B	<u>, -</u>	WPA-PS (	0 2.45703a	g	
P 3880(9)	40.08.08.96.96.96		20000	21/2018	<u></u>	
som ga	00.0D.90.PA 57.0E	P 1.	Dutable	6 2.4370hz	4	
1 Starous Lec	000740101248	AT 100 000	Disthle	1 2.403032	-	_t
1 1990 1990	and converses	5 N 🛶	1000	2 0.4000	*	<u> </u>
- Jandale Change Const	the sector	756 BAR 40.4	(f):			
Beer and party	·····································	Opmabollie o	NUME AND	in Thisical	ielow.	(m)
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				Second Second	3.5	. <u></u>
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				UK ,	Lansel	6923

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- 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: G 64 bits - 10 Hexadecimal digits(0-9
Key <u>1</u> : d ******
Key <u>2</u> : ********
Key <u>3</u> : ******
Кеу <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 K C Authentication Config
This is a computer to computer (ad hoc) 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.

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vance Security Settings	
WPA-PSK	
WPA Passphrase	
EAP Type:	<b>Y</b>
Certificate	
Uger Certificate	<b>•</b>
Jser Information	
User Name	Domain Name
Pessyord	
Confirm Pessword	
TLS Identity	
Frust CA List	
	bb <u>å</u>
	Remove

### [WPA-Enterprise]

Nireless network <u>n</u> ame(ES – Wireless network key (V This network requires a	SID): corega NEP) key for the following:
Authentication Mode:	WPA-EAP (Enterprise)
Data Encryption:	ТКІР
Key length: 64	bits - 10 Hexadecimal digits(0-9 💌
Key <u>1</u> :	
Key 2:	
Key <u>3</u> :	
Key <u>3</u> : Key <u>4</u> :	
Key <u>3</u> :           Key <u>4</u> :           Default key:	
Key <u>2</u> : Key <u>4</u> : Default <u>key</u> : Key 1 ☞ Enable 802.1 <u>X</u>	C Authentication Config
Key 2: Key 4: Default key: Key 1 I Enable 802.1⊻ This is a computer to access points are used.	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	Domain Name
Trust CA List	
	Add
<u> </u>	Kemove
	<u>OK</u>

(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.

corega Wireless LAN Util	lity							×
Configuration Status	Option About	1						
-Available WLANs:-		•						
To connect to availab	le WLAN, click Add to	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	🔊 4 👳	• WPA-PS	10	2.457Ghz	g		
💡 STR-0126	00:0A:79:36:23:18	<b>, ק</b> 9	Disable	1	2.412Ghz	g		
🛔 corega	00:0D:88:FA:57:4E	<b>a 1</b>	Disable	6	2.437Ghz	g		
SunForce Tec	00:07:40:E8:FE:2A	ani 8% 🗠	<ul> <li>WEP</li> </ul>	11	2.462Ghz	g		
🛔 allied telesis	00:0A:79:19:17:AF	<b>a</b> l 4	Disable	11	2.462Ghz	g		-
	nnin a 2011 de 21e ine		• 1AT1711	''				
Profile Group Contro	ol <u> </u>	referred WL	ANS:					
Please select a profile	group to apply : A	utomatically o	connect to ava	dilable 1	WLAN per i	below		New
	New	ESSID		Secu	uity			Remove
		<b>Φ</b> STR	0126	Open	System		不上	
	Rename							Properties
	Delete							Move to
						- 1	-m	
	Select							Re <u>C</u> onnect
					OK	Can	cel	Apply

- (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			1
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	Advance State		1
MAC Address : 00.0F.3D:EA:BE:D6	Radio Status:	ON	
		OK Cancel	Apply

# 7.3 Option

This tab is for advanced setting.

andmanoul peans [Aboou] apont [			
General Setting  Auto launch when Windows start up	Advance Setting		
Remember mini status position	Radio Freguency:	80211b/g-24GHz	٠
C Auto hide mini status	Adhoc Channel :	Auto	-
Enable (P. Setting and Provy Setting in Profile	Pogger Save Mode :	Disable	
	Iranimit Power :	100%	٠
	Super G :	[ON(compressed]	*
WLAN type to connect Infrastructure and ad hoc getwork Infrastructure network only 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.

	36
UK Cancer	4564

# 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	IEEE002.119.34/40/30/24/10/12/3/000003		
Power	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	- Power Requirements DC 3.3V±5%		
	- Current Consumption 500mA (transmit mode), 300mA		
	(receive mode)		
	- Power Consumption 1650mW (transmit mode),		
	mode)		
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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7F., No. 10, Lane 345, YangGuang St. Nei-Hu Chiu, Taipei City 114, Taiwan R.O.C. TEL: +886-2-8751-9164 FAX: +886-2-8751-9174

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