(CG-WLUSB2GS)

802.11b/g Wireless USB Adapter





User Manual

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Before you start...

Before you install the driver, please confirm if your OS were Windows 2000 SP4 (service pack 4) or Windows XP SP2 (service pack 2); For product safety and performance concern, please upgrade your OS to above mentioned version, then start your installation.

If you can't make sure your OS version, please click [My computer] and right click the mouse, then select [Properties]. It will appear OS status screen. And you can find the version information on the circle area. (*Empty area means you never upgrade your OS)

<Windows 2000>



<Windows XP>

1. If you use Windows 2000 (Service Pack 1~ Service Pack 3):

Please go to Microsoft website to upgrade to SP4 version: http://www.microsoft.com/windows2000/downloads/servicepacks/default.asp

2. If you use Windows XP (Service Pack 1):

Please go to Microsoft Website to download "hotfix" program and install it:

```
http://support.microsoft.com/?kbid=822603) (http://support.microsoft.com/?kbid=822603)
```

*Note: "hotfix" will fix the USB 2.0 compatible issue.

Preface

corega WLUSB2GS is a Wireless USB Adapter which is suitable for all the laptop or desktop PCs with USB port. It supports Super G mode can peeds up to 108Mbps is faster than widely deployed IEEE 802.11b wireless networks found in homes, businesses, and public wireless hotspots around the world.

1.1 Features

- Compatible with IEEE802.11b, IEEE802.11g
- High speed USB 2.0 interface
- Support Super G mode which speeds up to 108Mbps
- Supports both Infrastructure and Ad-hoc mode
- 64&128&152bit WEP, WPA encryption
- · Shared broadband Internet access and resources
- Power Consumption
- Key Type design is eary for carrying.

1.2 Packing Content

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

- Wireless 108M USB Adapter
- Driver CD
- User Manual

1.3 Hardware description



- 1. Link LED On: device working Off: device disable
- 2. Act LED On (Blink): network connected Off: network disconnected.

1.4 Installation Steps

Please confirm the following steps before installing the product.

Put on the Driver CD ➤ Install the software ➤ Restart the computer ➤ Plug the product into the USB port ➤ Installation the Driver ➤ Confirm the running situation of the product ➤ Set up TCP/IP ➤ Open the Utility Program ➤ Setting the Wireless Network ➤ Enable the security function ➤ Advanced setting ➤ Start to use the product.



- 1. Please put Driver CD into CD-ROM.
- 2. Please select [English].

.e. cg-wluse2gs	×
Corega" Wirele	ss 108Mbps USB Adapter
(WLUSB205	\supset
108Mbps Sup	
超高速1	08M輕巧USB無線網卡
	ect your language :
ALL BELLEVILLE	安裝語言:
	English
~	45
79 68	and the second
00	繁體中文
	Steam 1 22
adreget Wiveless LAN	
	EXIT-O

3. Please select [Install Software].



4. Click [Next].



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

WLUSB2GS - InstallShield Wizard		
Choose Destination Location Select folder where setup will install files.		2X
Setup will install CG-WLUSB2GS in the following	ıg folder.	
To install to this folder, click Next. To install to another folder.	a different folder, click Browse and se	elect
Destination Folder		
Destination Folder C:\Program Files\corega\W/LUSB2GS\	Bre	wse
	Bio	wse

6. Please click [Next].

WLUSB2G5 - InstallShield Wizard elect Program Folder	
Please select a program folder.	
Setup will add program icons to the Program Folder listed be name, or select one from the existing folders list. Click Next 1	
Program Folder:	
CG-WLUSB2GS	
Existing Folders:	
Existing Folders: Accessories	
ATI Multimedia Center	
MWSnap	
Startup WinBAB	
allShield	
. D. d.	Next > . Cancel
< <u>B</u> ack	<u>N</u> ext > Cancel

7. When it appears below screen, please click [Continue Anyway].

Software	Installation
<u>.</u>	The software you are installing has not passed Windows Logo testing to verify its compatibility with Windows XP. (<u>Tell me why</u> 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 software vendor for software that has passed Windows Logo testing.
	Continue Anyway

8. When it appears below screen on second time, please click [Continue Anyway].

Software	Installation
	The software you are installing has not passed Windows Logo testing to verify its compatibility with Windows XP. (<u>Tell me why</u> <u>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 software vendor for software that has passed Windows Logo testing.
-	Continue Anyway

9. Finished, please choose [Yes,]=>computer restart.
(*Note: Restarting computer is a necessory step to ensure the product be installing successful.)



Please plug corega WLUSB2GS into the USB port of the laptop or desktop PC.

《In Windows XP OS》

After restarting the computer, it will show up [Found New Hardware] screen, if not, please re-plug corega WLUSB2GS again.
 Please select [Install the software automatically (Recommended). => Click [Next].



2. When it shows up below screen, please click [Continue Anyway].

1	The software you are installing for this hardware:
<u> </u>	Predator USB Bootloader Download
	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 impai 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.

3. Driver Part I process is completed, please click [Finish] to continue.



 It will start to install the drvier Part II, please select [Install the software automatically (Recommended)]. => Click [Next].



5. When it shows up below screen, please click [Continue Anyway].

Hardwar	e Installation
1	The software you are installing for this hardware: CG-WLUSB2GS 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

6. Driver Installation is completed, please click [Finish] to finish.



$\langle\!\!$ In Windows 2000 OS $\rangle\!\!$

1. When it shows up below screen, please click [Continue Anyway].



2. When it shows up below screen, please click [Yes] to continue.



3. Now driver installation is completed, and you will see icon appears on system tray. **Verify the Hardware Status**

- 1. Oen the Control Panel=>Double click [System].
- 2. Click [Device Manager] from [Hardware tab]. (This screen is captured from Windows XP(SP2).)

System	Restore Automat	ic Updates Remote
General	Computer Name	Hardware Advance
Device M	anager	
Ż	The Device Manager lists all th on your computer. Use the De properties of any device.	
		Device Manager
Drivers		
	Driver Signing lets you make sure that installed drivers are compatible with Windows. Windows Update lets you set up how Windows connects to Windows Update for drivers.	
[Driver Signing	Windows Update
Hardware	Profiles	
Ð	Hardware profiles provide a w different hardware configuratio	
		Hardiware Profiles

3. Select and double click [CG-WLUSB2GS].



4

4. Verify the running status of the product is [This device is wroking properly].=> Click [OK] to close the screen.

	32G5 Properties	<u> </u>
ieneral	Advanced Drive	er Details
	CG-WLUSB2GS	
	Device type:	Network adapters
	Manufacturer:	corega K.K.
	Location:	Location 0 (USB WLAN Device)
	u are having problem the troubleshooter.	ms with this device, click Troubleshoot to
<u>D</u> evice	usage:	
	usage: is device (enable)	Iroubleshoot

5

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

æ	e		
Make New Connection	Local Area Connection	Local Area Connection	Disable Status
			Create Shortcut Delete Rename
			Properties

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

cal Area Connection 2 Properties	?
General Sharing	
Connect using:	
CG-WLCB54GS	Ĩ
	Configure
Components checked are used by this connection:	
Internet Protocol (TCP/IP)	
I Uninstall Uninstall Description Transmission Control Protocol/Internet Protocol. I wide area network protocol that provides commun across diverse interconnected networks.	he default
Description Transmission Control Protocol/Internet Protocol. T wide area network protocol that provides commun	he default

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.

6.1 Connect to AP

6

 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-WLUSB2GS]=> [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 APs in 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 the AP.=> Press [OK].

Wireless network k This network requi		following:	
Authentication Mo	de: Open Sy	stem	•
Data <u>E</u> ncryption:	Disable		•
Key length:	64 bits - 10 H	exadecimal digits(0-	9
Key <u>1</u> :	a:		_
Key <u>2</u> :			-
Key <u>3</u> :			
Key <u>4</u> :			
Default key: Ke	v1 💌		
Enable 802.1X		Authentication Con	

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

	de WLAN, click Add a		2					Rgfu		Add	-
E22ID	MAC(BSSID)		gnal		Security	CH		Mo	Su	XR	-
corege-test	00.0D/88.64 AC:4B			600		. 10	2.4570hz	z			
P STR-0126	00.0A.79.36.23.18				Disable	1	2.4120hz	E.			
corega	00:0D:88:FA:57:4E	P			Disable	6	2.437Ghz	z			
SunForce Tec	00:07:40:E8:FE:2A			(Cor		11	2.462Ghz	ε			
allied televis	00:0A:79:19:17:AF	2			Disable	11	2.462Ghz	z			
ease select a profile	fromb to abby : N	uton.	untica	lly co	marent to en	sidellar	WLAN per	below		New	
	Neg		ESSI	D		Sect	vity	-		Remov	e
	Elenson	1	0 3	TR-0	126	Oper	System		1	Propert	
	- recting to							1	J.		
	DATE										

*Note:

- 1. You will see a \P icon on the left side of the device name when WLUSB2GS 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.

6.2 If no available AP for connecting..

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



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].

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Wireless Network Prope	erties 🛛 🔀
Wireless network <u>n</u> ame (E) Wireless network key (W This network requires a l	JEP)
Authentication Mode:	Open System 💌
Data <u>Encryption</u> :	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	Ŧ
	Authentication Config
This is a computer to c access points are used.	omputer (ad <u>h</u> oc) network; no
IP & Proxy Setting	<u>O</u> K <u>C</u> ancel

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

Available WLAN: 'o connect to avai	lable WLAN, click Ad	d to setup.				R <u>e</u> fresh	n A <u>d</u> d
ESSID	MAC(BSSID)	Signal	Security	CH	Freq	Mo 3	Su XR
		5 4 1 11	• • • •				
	ntrol file group to apply :	Preferred W		railable J	WLAN D	r helow	New
	file group to apply :	Automaticall	LANs: y connect to av			rr below	New
Profile Group Co lease select a prof	file group to apply : <u>New</u>	Automaticall; ESSID	y connect to av	Secu	rity		<u>R</u> emove
	file group to apply :	Automaticall; ESSID		Secu		er below	Remove
	file group to apply : <u>New</u>	Automaticall; ESSID	y connect to av	Secu	rity		<u>R</u> emove

7.1 Setting ESSID and WEP

- 7.1.1 Double click tion on system tray, and it will show up the Utility screen. If you can't see tion on system tray, please press [Start] => [Programs]=>[corega CG-WLUSB2GS]=> [Wireless LAN Utility].
- 7.1.2 Select one of available devices in [Availabe WLANs].

AS. 18 A. A. 40 09			- 4 - 5 L			2.5
Svillag Verbille Braning Sanghilt Wijschr	109850 Maye	<u>) </u>				
20100106-000	的影響。自己的	e i Digge				1010
E1餘的:				SH Ref.	1186-J (Sec.)	20.30
koorge-test	00.0D 88.64 AC 4B	<u></u>	WPA-PS	10 2,45703a	<u>z</u>	. — N
\$ 35990(50)	00:0D 90:PA 57:4E		Ditable	6 2.4370hz	ur L	' U I
SurFour Inc	00:07:40:E8 FE:2A	al 8% 🚧	WEP	11 2.4630hz	ā.	_
a silied to know	00.0A 79:19:17 AF	8t- 👡	Distile	11 2,46303a	8	X
		training and the second			· ·	
preside Charapt Control November Charapter	0 			an Tailor	iathar [ettin 1
1] ***	LENGTO	li li	STAR STRATE	i	Stearst.
<u> </u>	1 <u></u>	- (Conjana) •	1	Second in a	- 18 C	TORONYT:
	1822228					Papertei
	1226					Merita
	- 400 g 🖬				13 j	ergenerij
	<u> </u>		_			
				OK 1	Cancel	6577

- 7.1.3 Once shows up [Wireless Network Properties] screen, => filling with below items:
- (a) [Authentication Mode]: Please select [Open System] (Recommended) or [Shared Key].
- (b) [Data Encryption]: select [WEP].
- (c) [Key length]: select [64/128/152 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 64bits, 26 characters for 128bits, or 32 character for 152bits. (number 0~9, and letters a~f).

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Wireless Netw	ork Prope	erties			X
Wireless networ	k <u>n</u> ame (E:	SSID):	corega		_
Wireless network			e followin	g:	
Authentication	n Mode:	Open S	ystem	-	-
Data <u>E</u> ncrypti	on:	WEP		•	-
Key length:	64 1	bits - 10 I	Hexadecim	al digits(0-9	-
Key <u>1</u> :	*****	***			-
Key <u>2</u> :	*****	***			-
Key <u>3</u> :	*****	***			-
Key <u>4</u> :	******	***			-
Default key:	Key 1		-		
T Enable 80	2.1 <u>X</u>		Authenti	cation Config	
This is a cor access point		omputer	(ad <u>h</u> oc) ne	etwork; no	
IP & Proxy S	etting		<u>o</u> k	Cancel	

7.2 Setting WPA

- 7.2.1 Repeat 6.1.1~6.1.2
- 7.2.2 Shows up [Wireless Network Properties] screen.

Wireless Network Properties
Wireless network <u>n</u> ame (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 <u>X</u> 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.

Advance Security Settings	×
WPA-PSK	
WPA Passphrase	
EAP Type <u>E</u> AP Type:	X X
Certificate	
Uger Certificate	7
User Information	
Leer Name	Domain Name
Password	
Confirm Password	
TLS Identity	
– Trust Cá List–	
	<u>A</u> dd. <u>R</u> emove
Ōĸ	Cancel

[WPA-Enterprise]

- (a) Authentication Mode: select [WPA-EAP(Enterprise)].
- (b) Data Encryption: select [TKIP] or [AES].

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:
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 C Authentication Config
This is a computer to computer (ad hoc) network; no access points are used.
IP & Proxy Setting OK Cancel

(c) Press [Authentication Config] button, it will show up following screen, => select [EAP-TLS], => press [OK].

WEA-FIR	
WPA graphware	
EAP Type EAP Type: DAPATLS	
Certificate	
Uger Certificate	1
🖵 Yalidate Server Certificate	
Jeer Information	
User Name	Domain Riene
kangod	
Confirm Francont	
TTLE Identity	
TTLS Identity	
Frost CA List	
	<u>A</u> dd
	Remove

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

8.1 Configuration

8

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

o connect to availab	le WLAN, click Add t	o setur).					Refr	rsh	Add	2
ESSID	MAC(BSSID)	Sig	nal		Security	CH	Freq	Mo	Su	XR	-
🕻 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				@		11	2.462Ghz	g			
allied telesis	00:0A:79:19:17:AF				Disable	11	2.462Ghz	g			•
lease select a profile	group to apply : A	utoma	atical	ly co	onnect to ava	ilable	WLAN per	pelow		New	81
	New	E	SSII)		Secu	urity			Remo	ve
	Rename	Ŷ	SI	R-0	126		n System		否	 Pr <u>o</u> per	ties
	Delete								V	Move	to
	1000								-12		

- (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 set available APs in different groups.
- (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 the preference.

8.2 Status

Display all connection status and device information.

onfiguration Status Option About				
Connection Status -			Connected	
SSID:			STR-0126	
BSSID:		00:0A:7	9:36:23:18	
Network Type :		Int	rastructure	
Frequency :		802.11g-2.4GHz		
Channel :			1	
Data Encryption :			Disable	
Speed :		54.0 Mbps		
Authentication State :			Connected	
Signal Strength :		94 %		
Hardware Information	Advance State			
MAC Address : 00:0F:3D:EA:BE:D6	Radio Status:		ON	
		ок (Cancel	Apply

8.3 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 Second and Powy Second 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			

8.4 About

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



FAQ

9

There are 2 ways for solving your problems if WLUSB2GS 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 WLUSB2GS.

Q2.I can't get on the internet with WLUSB2GS.

- Check the LED indicators on the modem/router/ap are indicating normal activity. If not, please check the power adapter and Ethernet cables are firmly connected, else, see the modem/router/ap's manual to solve the problem.
- Check the IP address, subnet mask, gateway, and DNS settings are correctly entered for the network.
- In Infrastructure mode, please make sure WLUSB2GS 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 WLUSB2GS.

Ans:

Please make sure that WLUSB2GS is inserted into the USB prot of your notebook or PC properly.

Compliance StandardIEEE802.11/IEEE802.11b/IEEE802.11gLAN InterfaceUSB1.1/2.0ProtocolCSMA/CATransmission MethodDS-SS, OFDMNetwork TypeInfrastructure/802.11 Ad-HocFrequency Band2400 ~ 2483.5MHz ISM bandChannel1~11 channelsTransmission RateIEEE802.11b: 11/5.5/2/1MbpsIEEE802.11g: 54/48/36/24/18/12/9/6MbpsTransmitter OutputIEEE802.11g: 54/48/36/24/18/12/9/6MbpsPowerIEEE802.11g: Typical 16dBmPowerIEEE802.11g: Typical 17dBmCoverage Area- IEEE802.11g: Typical 17dBmCoverage Area- IEEE802.11g(@54Mbps): Indoors 30M, Out- doors 40M* Environmental factors may adversely affect wireless signal rangeRoamingIEEE802.11, Support Automatic/Manual Rescan APSecurityWEP(64/128/152bit), WPA-EAP, WPA-PSKAntenna TypeChip AntennaSupport OSWindows 2000/XP(SP1, SP2)OperatingTemperature: 0°C~40°C Humidity: <90% (non- condensing)StorageTemperature: -20°C~60°C Humidity: <95% (non-condensing)Physical Specifications28 (W) × 12.5(D) × 85(H) mmWeight40.3 g (main unit)CertificationFCC, DGT				
ProtocolCSMA/CATransmission MethodDS-SS, OFDMNetwork TypeInfrastructure/802.11 Ad-HocFrequency Band2400 ~ 2483.5MHz ISM bandChannel1~11 channelsTransmission RateIEEE802.11b: 11/5.5/2/1Mbps IEEE802.11g: 54/48/36/24/18/12/9/6MbpsTransmitter OutputIEEE802.11g: 54/48/36/24/18/12/9/6MbpsPowerIEEE802.11g: Typical 16dBmPowerIEEE802.11g: Typical 17dBmCoverage Area- IEEE802.11g: Typical 17dBmCoverage Area- IEEE802.11g: Ge54Mbps): Indoors 30M, Out- doors 40M* Environmental factors may adversely affect wireless signal rangeRoamingIEEE802.11, Support Automatic/Manual Rescan APSecurityWEP(64/128/152bit), WPA-EAP, WPA-PSKAntenna TypeChip AntennaSupport OSWindows 2000/XP(SP1, SP2)DeratingTemperature: 0° C~40° C Humidity: <90% (non- condensing)StorageTemperature: -20° C~60° C Humidity: <95% (non-condensing)Physical Specifications28 (W) × 12.5(D) × 85(H) mmWeight40.3 g (main unit)	Compliance Standard	IEEE802.11/IEEE802.11b/IEEE802.11g		
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Network TypeInfrastructure/802.11 Ad-HocFrequency Band2400 ~ 2483.5MHz ISM bandChannel1~11 channelsTransmission RateIEEE802.11b: 11/5.5/2/1Mbps IEEE802.11g: 54/48/36/24/18/12/9/6MbpsTransmitter OutputIEEE802.11g: Typical 16dBm IEEE802.11g: Typical 17dBmPowerIEEE802.11g: Typical 17dBmCoverage Area- IEEE802.11g: Ge54Mbps): Indoors 30M, Out- doors 40M * Environmental factors may adversely affect wireless signal rangeRoamingIEEE802.11, Support Automatic/Manual Rescan APSecurityWEP(64/128/152bit), WPA-EAP, WPA-PSKAntenna TypeChip AntennaSupport OSWindows 2000/XP(SP1, SP2)Derivironmental RequirementsOperatingTemperature: 0°C~40°C Humidity: <90% (non- condensing)StorageTemperature: -20°C~60°C Humidity: <95% (non-condensing)Physical Specifications28 (W) × 12.5(D) × 85(H) mmWeight40.3 g (main unit)	Protocol	CSMA/CA		
Frequency Band2400 ~ 2483.5MHz ISM bandChannel1~11 channelsTransmission RateIEEE802.11b: 11/5.5/2/1Mbps IEEE802.11g: 54/48/36/24/18/12/9/6MbpsTransmitter OutputIEEE802.11g: 54/48/36/24/18/12/9/6MbpsPowerIEEE802.11b: Typical 16dBm IEEE802.11g: Typical 17dBmCoverage Area- IEEE802.11g: Typical 17dBmCoverage Area- IEEE802.11b: Indoors 100M, Outdoors 250M - IEEE802.11g: Ge54Mbps): Indoors 30M, Out- doors 40M * Environmental factors may adversely affect wireless signal rangeRoamingIEEE802.11, Support Automatic/Manual Rescan APSecurityWEP(64/128/152bit), WPA-EAP, WPA-PSKAntenna TypeChip AntennaSupport OSWindows 2000/XP(SP1, SP2)Environmental RequirementsOperatingTemperature: 0°C~40°C Humidity: <90% (non- condensing)StorageTemperature: -20°C~60°C Humidity: <95% (non-condensing)Physical Specifications28 (W) × 12.5(D) × 85(H) mmWeight40.3 g (main unit)	Transmission Method	DS-SS, OFDM		
Channel1~11 channelsTransmission RateIEEE802.11b: 11/5.5/2/1Mbps IEEE802.11g: 54/48/36/24/18/12/9/6MbpsTransmitter OutputIEEE802.11g: 54/48/36/24/18/12/9/6MbpsPowerIEEE802.11g: Typical 16dBm IEEE802.11g: Typical 17dBmCoverage Area- IEEE802.11g: Typical 17dBmCoverage Area- IEEE802.11b: Indoors 100M, Outdoors 250M - IEEE802.11g(@54Mbps): Indoors 30M, Out- doors 40M * Environmental factors may adversely affect wireless signal rangeRoamingIEEE802.11, Support Automatic/Manual Rescan APSecurityWEP(64/128/152bit), WPA-EAP, WPA-PSKAntenna TypeChip AntennaSupport OSWindows 2000/XP(SP1, SP2)Environmental RequirementsOperatingTemperature: 0°C~40°C Humidity: <90% (non- condensing)StorageTemperature: -20°C~60°C Humidity: <95% (non-condensing)Physical Specifications28 (W) × 12.5(D) × 85(H) mmWeight40.3 g (main unit)	Network Type	Infrastructure/802.11 Ad-Hoc		
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IEEE802.11g: 54/48/36/24/18/12/9/6MbpsTransmitter Output PowerIEEE802.11b: Typical 16dBm IEEE802.11g: Typical 17dBmCoverage Area- IEEE802.11g: Typical 17dBmCoverage Area- IEEE802.11g: G54Mbps): Indoors 30M, Out- doors 40M * Environmental factors may adversely affect wireless signal rangeRoamingIEEE802.11, Support Automatic/Manual Rescan APSecurityWEP(64/128/152bit), WPA-EAP, WPA-PSKAntenna TypeChip AntennaSupport OSWindows 2000/XP(SP1, SP2)CoveratingTemperature: 0°C~40°C Humidity: <90% (non- condensing)StorageTemperature: -20°C~60°C Humidity: <95% (non-condensing)Physical Specifications28 (W) × 12.5(D) × 85(H) mmWeight40.3 g (main unit)	Channel	1~11 channels		
Transmitter Output PowerIEEE802.11b: Typical 16dBm IEEE802.11g: Typical 17dBmCoverage Area-IEEE802.11g: Typical 17dBmCoverage Area-IEEE802.11b: Indoors 100M, Outdoors 250M - IEEE802.11g(@54Mbps): Indoors 30M, Out- doors 40M * Environmental factors may adversely affect wireless signal rangeRoamingIEEE802.11, Support Automatic/Manual Rescan APSecurityWEP(64/128/152bit), WPA-EAP, WPA-PSKAntenna TypeChip AntennaSupport OSWindows 2000/XP(SP1, SP2)Environmental RequirementsOperatingTemperature: 0°C~40°C Humidity: <90% (non- condensing)StorageTemperature: -20°C~60°C Humidity: <95% (non-condensing)Physical Specifications28 (W) × 12.5(D) × 85(H) mmWeight40.3 g (main unit)	Transmission Rate	IEEE802.11b: 11/5.5/2/1Mbps		
PowerIEEE802.11g: Typical 17dBmCoverage Area-IEEE802.11g: Typical 17dBmCoverage Area-IEEE802.11b: Indoors 100M, Outdoors 250M - IEEE802.11g(@54Mbps): Indoors 30M, Out- doors 40M * Environmental factors may adversely affect wireless signal rangeRoamingIEEE802.11, Support Automatic/Manual Rescan APSecurityWEP(64/128/152bit), WPA-EAP, WPA-PSKAntenna TypeChip AntennaSupport OSWindows 2000/XP(SP1, SP2)CorreatingTemperature: 0°C~40°C Humidity: <90% (non- condensing)StorageTemperature: -20°C~60°C Humidity: <95% (non-condensing)Physical Specifications28 (W) × 12.5(D) × 85(H) mmWeight40.3 g (main unit)		IEEE802.11g: 54/48/36/24/18/12/9/6Mbps		
Coverage Area- IEEE802.11b: Indoors 100M, Outdoors 250M - IEEE802.11g(@54Mbps): Indoors 30M, Out- doors 40M * Environmental factors may adversely affect wireless signal rangeRoamingIEEE802.11, Support Automatic/Manual Rescan APSecurityWEP(64/128/152bit), WPA-EAP, WPA-PSKAntenna TypeChip AntennaSupport OSWindows 2000/XP(SP1, SP2)Environmental RequirementsOperatingTemperature: 0°C~40°C Humidity: <90% (non- condensing)StorageTemperature: -20°C~60°C Humidity: <95% (non-condensing)Physical Specifications28 (W) × 12.5(D) × 85(H) mmWeight40.3 g (main unit)	Transmitter Output	IEEE802.11b:Typical 16dBm		
- IEEE802.11g(@54Mbps): Indoors 30M, Out- doors 40M* Environmental factors may adversely affect wireless signal rangeRoamingIEEE802.11, Support Automatic/Manual Rescan APSecurityWEP(64/128/152bit), WPA-EAP, WPA-PSKAntenna TypeChip AntennaSupport OSWindows 2000/XP(SP1, SP2)Environmental RequirementsOperatingTemperature: 0°C~40°C Humidity: <90% (non- condensing)StorageTemperature: -20°C~60°C Humidity: <95% (non-condensing)Physical Specifications28 (W) × 12.5(D) × 85(H) mmWeight40.3 g (main unit)	Power	IEEE802.11g:Typical 17dBm		
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* Environmental factors may adversely affect wireless signal range Roaming IEEE802.11, Support Automatic/Manual Rescan AP Security WEP(64/128/152bit), WPA-EAP, WPA-PSK Antenna Type Chip Antenna Support OS Windows 2000/XP(SP1, SP2) Environmental Requirements Operating Temperature: 0°C~40°C Humidity: <90% (non-condensing)		- IEEE802.11g(@54Mbps): Indoors 30M, Out-		
wireless signal rangeRoamingIEEE802.11, Support Automatic/Manual Rescan APSecurityWEP(64/128/152bit), WPA-EAP, WPA-PSKAntenna TypeChip AntennaSupport OSWindows 2000/XP(SP1, SP2)Environmental RequirementsOperatingTemperature: 0°C~40°C Humidity: <90% (non-condensing)		doors 40M		
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Antenna Type Chip Antenna Support OS Windows 2000/XP(SP1, SP2) Environmental Requirements Operating Temperature: 0°C~40°C Humidity: <90% (non-condensing)				
Support OS Windows 2000/XP(SP1, SP2) Environmental Requirements Operating Temperature: 0°C~40°C Humidity: <90% (non-condensing)				
Environmental Requirements Operating Temperature: 0°C~40°C Humidity: <90% (non-condensing) Storage Temperature: -20°C~60°C Humidity: <95% (non-condensing)		•		
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Image: constraint of the sector of the sec		condensing)		
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Dimension 28 (W) × 12.5(D) × 85(H) mm Weight 40.3 g (main unit)		(non-condensing)		
Weight 40.3 g (main unit)	Physical Specifications			
5	Dimension	28 (W) × 12.5(D) × 85(H) mm		
Certification FCC, DGT	Weight			
	Certification	FCC, DGT		

Federal Communication Commission Interference Statement

This equipment 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 equipment 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 equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

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

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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IEEE 802.11b or 802.11g operation of this product in the U.S.A. is firmware-limited to channels 1 through 11.

This equipment has been SAR-evaluated for use in laptops (notebooks) with side slot configuration.



www.corega.com.tw www.corega-asia.com

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PN: T30-CM8012-00 Rev.A