WF-2110

150Mbps Wireless-N Mini USB Adapter User Manual

V1.1 2011-05-25

Certification

FCC CE

FCC 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 or more 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.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices)

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment 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.

Caution!

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment

Package Contents

The following items should be found in your package:

- > 150Mbps Wireless-N Mini USB Adapter
- Quick Installation Guide
- > CD-Rom

Make sure that the package contains above items. If any of the above items is missing or damaged, please contact the store you bought this product from.

Content

1	IN	TRODUCTION		
	1.1 1.2 1.3 1.4 1.5	Main Stand Work	JCT OVERVIEW	5 - 5 - 5 -
2	DI	RIVER	AND HARDWARE INSTALLATION	7 -
	2.1 2.2		r and Software Installation	
3	SY	STEM	CONFIGURATION 1	1 -
	3 3 3 3.3 3.4 3.5 3.6	Profil 2.1 2.2 2.3 2.4 2.5 Avail4 Statu Statu Statis Wi-Fi	RAL - 1 LE - 1 Add. - 1 Remove - 1 Edit - 1 Duplicate - 1 Set default - 1 ABLE NETWORK - 1 S - 2 TICS - 2 PROTECT SETUP - 2	3 - 3 - 5 - 6 - 7 - 8 - 8 - 8 - 8 - 0 - 1 -
4	TH		ESS POINT MODE 2	4 -
	4.1 4.2 4.3 4.4	Advan Statis	AL	6 - 7 -
5	TF	ROUBL	ESHOOTING 2	9 -

1 Introduction

1.1 Product Overview

This 150Mbps Wireless-N Mini Adapter is a powerful USB 2.0 Adapter that installs quickly and easily with PCs. The Adapter can be used in ad hoc mode to connect directly with other wireless adapters for peer-to-peer file sharing, or in infrastructure mode to connect with a wireless access point or router. The adapter connects with 802.11n networks at up to 150Mbps, and is backwards compatible with 54Mbps 802.11g or 11Mbps 802.11b devices. In every mode, your wireless connection can be protected so your data stays secure.

1.2 Main Features

- Supports 150Mbps transmission rates
- Complies with IEEE 802.11b, 802.11g and 802.11n standards for 2.4GHz Wireless LAN
- ▶ USB 2.0
- Meets 64/128-bit WEP, WPA, and WPA2 security standards
- ➤ Compatible with Windows 2000/XP/Vista/7
- Low power consumption
- ➢ Easy to install and configure
- ➢ WPS enabled

1.3 Standards

- ▶ 802.11b/g/n
- ➢ 802.11i

1.4 Working Environment

Temperature

- \succ 0° to 40° C (operating)
- → -40° to 70° C (storage)

Humidity

- ▶ 10% to 90 % non-condensing (operating)
- ➢ 5% to 90% non-condensing (storage)

1.5 System Requirements

- ➢ Available USB 1.1 or USB 2.0 slot
- ➢ 300 MHz processor and 32 MB of memory
- CD-ROM drive
- An 802.11b/g/n access point (for Infrastructure Mode) or another 802.11b/g/n wireless adapter (for Ad Hoc; Peer-to-Peer networking mode.)
- ➢ Microsoft® Windows® 7, Vista™, XP, 2000 SP4

2 Driver and Hardware Installation

2.1 Driver and Software Installation

- > Insert the Driver and Utility CD-ROM into the CD-ROM driver.
- The Wizard should run automatically. If not, click the Start button and choose Run. In the field that appears, enter D:\autorun.exe (if "D" is the letter of your CD-ROM drive).
- Click Install Driver & Utility for USB Wireless Adapter on the Wireless Client Configuration Utility dialogue box, and then select the installing language from the next screen and click Next button.

Wireless LAN - InstallShield Wizard	
Choose Setup Language Select the language for the installation from the choices below.	A.
Basque Bulgarian Catalan Chinese (Simplified) Chinese (Traditional) Croatian Czech Danish Dutch English Finnish French (Canadian) French (Canadian) French (Standard) German Greek	
< <u>B</u> ack <u>N</u> ext	> Cancel

Figure 2-1

Click Next



Figure 2-2

Click Install to start installing

11n USB Wireless LAN Driver and Utility	\mathbf{X}
11n USB Wireless LAN Driver and Utility	
Click Install to begin the installation.	
If you want to review or change any of your installation settings, click Back. the wizard.	Click Cancel to exit
InstallShield	
< <u>B</u> ack Install	Cancel



> Follow the InstallShield Wizard steps, and click **Finish** when done.

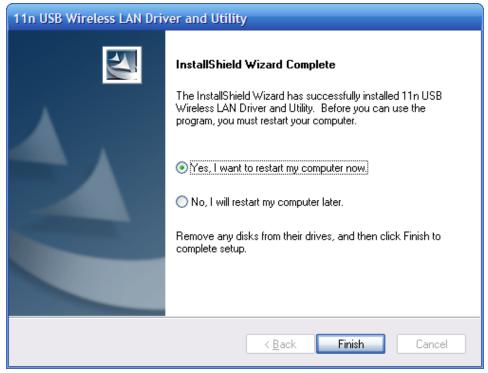


Figure 2-4

> Now your PC or notebook will restart automatically.

2.2 Insert the Adapter

The 150Mbps Wireless-N Mini USB Adapter supports up to 150 Mbps transfer rate. This card is fully compliant with the specifications defined in IEEE802.11n standard. It is designed to complement USB2.0 computers and supports Windows2000/XP/2003/Vista/7.

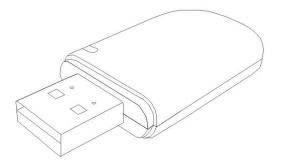


Figure 2-5

Install Wireless USB Adapter

- > Power on your PC, let the operating system boot up completely, and log in succeed.
- ▶ Hold the adapter and insert it into a USB slot.



Figure 2-6

If the Welcome to Found New Hardware Wizard displays, choose install the software automatically (Recommended), and click Next button. The driver will be installed automatically.



Figure 2-7

Now you have completed the driver and hardware installation for the adapter.

3 System configuration

This Wireless USB Adapter provides two modes: Station mode and Access Point mode, the default is Station mode. You can select remote wireless AP to connect to Internet in station mode. But in the AP mode, the Wireless USB Adapter act as a wireless access point which wireless client can connect to share an Internet connection with others

Use the Wireless LAN Utility to check the link information, search for available wireless networks, or create profiles that hold different configuration settings. You can double-click the icon (the following picture) on your desktop to run it. Another way to start the Configuration Utility is to click Start>Programs> 11n USB Wireless LAN Utility> 11n USB Wireless LAN Utility.

If you are using Windows XP, you can use either the Zero Configuration Utility or the Wireless Client Configuration.



3.1 General

The General tab (the following picture) displays current basic wireless connection information.

🏴 11n USB Wireless LA	N Utility	🛛 🔀
Refresh(<u>R</u>) Mode(<u>M</u>) View	(V) About(A)	
🖃 💡 MyComputer	General Profile Available Network Status Statistics Wi-Fi Protect Setup	
Wireless LAN 80		
	Status: Associated	
	Speed: Tx:150 Mbps Rx:300 Mbps	
	Type: Infrastructure	
	Encryption: None	
	SSID: 802.11bgn-SSID	
	Signal Strength: 100%	
	Link Quality: 100%	
	Network Address:	
	MAC Address: 00:E0:4C:72:11:12	
	IP Address: 192.168.1.100	
	Subnet Mask: 255.255.255.0	
	Gateway: 192.168.1.254	
	ReNew IP	
<		
Show Tray Icon	Disable Adapter	Close
Radio Off		
Ready		NUM

Figure 3-2

General Information

- Status: Wireless network Associated, Ad-hoc Mode or Not Associated.
- Speed: The data Tx rate and Rx rate of the current connection.
- > Type: The type of the current wireless connection, Infrastructures or ad hoc
- Encryption: Current encryption.
- SSID: The unique name of the wireless network to which the wireless adapter is connecting
- Signal Strength: The signal quality of the current connection.
- ▶ Link Quality: The link quality of the current wireless connection.

Network Address

- MAC Address: The MAC Address of the Adapter.
- ▶ IP Address: The IP Address of the Adapter.
- Subnet Mask: The Subnet Mask of the Adapter.
- > Default Gateway: The Default Gateway address of the Adapter.

Others

- Show Tray Icon: Show USB Wireless LAN Utility icon in the windows taskbar notification area.
- Disable Adapter: Disable the wireless adapter.
- > Radio off: Turn off the radio of the wireless adapter.

3.2 Profile

Using the Profile tab (the following picture), you can add, remove, edit, duplicate, and set default a profile.

💷 11n USB Wireless LAN Utility				
Refresh(<u>R</u>) Mode(<u>M</u>) View	(<u>V</u>) About(<u>A</u>)			
Refresh(R) Mode(M) View MyComputer Wireless LAN 80	(v) About(<u>A</u>) General Profile Available Profile (s) Profile Name SSID	Add Add Remove Edit Duplicate Set Default		
K				
Show Tray Icon	Disable Adapter	Close		
Ready		NUM		

Figure 3-3

3.2.1 Add

> Create a new Infrastructure mode profile

If you want your wireless computers to communicate with other computers on your wired network via a wireless access point. Click the **Add** button to create a new infrastructure profile.

Wireless Network Properties:	
Profile Name: 802.11bgn-SSID	
Network Name(SSID): 802.11bgn-SSID	
☐ This is a computer-to-computer(ad hoc) network; wireless access points are not used.	802.1x configure EAP TYPE :
Channel: 1 (2412MHz) V	GTC
Wireless network security	Tunnel :
This network requires a key for the following:	
Network Authentication: Shared Key 💉	Username :
Data encryption: Shared Key WPA-PSK WPA2-PSK WPA2-PSK WPA2802.1X WPA2 802.1X	Identity :
Key index (advanced):	Password :
Network key:	
******	Certificate :
Confirm network key:	

QK <u>C</u> ancel	

Figure 3-4

When the Network Info dialog box appears (the former picture), enter a name for the new profile. Enter the Network SSID. Choose the Network Authentication Mode and Data encryption from the drop-down menu and import the network key. Then click OK button.

Create a new ad-hoc mode profile

If you want your wireless computers communicate with each other directly, click the Add button to create a new ad-hoc profile. Then, mark

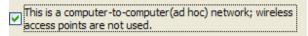


Figure 3-5

and select the correct operating channel for your network from the Channel drop-down menu.

Wireless Network Properties:	×
Profile Name: 802.11bgn-SSID	
Network Name(SSID): 802.11bgn-SSID	
This is a computer-to-computer(ad hoc) network; wireless access points are not used.	802.1x configure EAP TYPE :
Channel: 1 (2412MHz) 🗸	бтс 💌
Wireless network security	Tunnel :
This network requires a key for the following:	
Network Authentication: WPA-None 💉	Username :
Data encryption: Open System	
ASCII PASSPHRASE	Identity :
Key index (advanced):	Password :
*****	Certificate :
Confirm network key:	

<u>QK</u>	

Figure 3-6

Choose the Network Authentication Mode and Data encryption from the drop-down menu. And import the network key. Then click OK button.

You have successfully created a profile.

3.2.2 Remove

Select a profile and click **Remove** button to delete this profile (the following picture).

General Profile A	vailable Network Status	Statistics Wi-Fi F	Protect Setup	
Available Profile(s)			
Profile Name	SSID	10		Add
(2) 802.11bgn-	SSID 802.11bgn-SS	ID		Remove
				Edit
				Duplicate
			S	et Default

Figure 3-7

3.2.3 Edit

Select a profile and click **Edit** button to edit this profile (the following picture).

Available Profile(s)		
Profile Name	SSID	Add
🕐 802.11bgn-SSID	802.11bgn-SSID	
		Remove
		Edit
		Duplicate
		Set Default

Figure 3-8

Wireless Network Properties:	
Profile Name: 802.11bgn-SSID	
Network Name(SSID): 802.11bgn-SSID	
This is a computer-to-computer(ad hoc) network; wireless	802. 1x configure
access points are not used.	EAP TYPE :
Channel: 6 (2437MHz) 🗸	GTC
Wireless network security	Tunnel :
This network requires a key for the following:	
Network Authentication: Open System 💙	Username :
Data encryption: WEP	
ASCII	Identity :
Key index (advanced): 1 🗸	Password :
Network key:	
******	Certificate :
Confirm network key:	
QK <u>C</u> ancel	



Modify the profile information according to your demand.

3.2.4 Duplicate

Select a profile which you want to copy and then click **Duplicate** (the following picture)

Available Profile(s)		
Profile Name	SSID	Add
802.11bgn-SSID	802.11bgn-SSID	
		Remove
		Edit
		Duplicate
		Set Default

Figure 3-10 Import the new profile name in the popup window blank (the following picture)

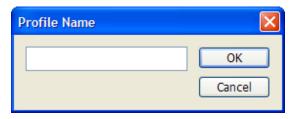


Figure 3-11

3.2.5 Set default

When you want to make one profile as a default wireless connection, you should select the profile and click **Set default** button. The wireless adapter will use this profile to connect to wireless network automatically when the utility running next time.

Available Profile(s)		
Profile Name	SSID	Add
802.11bgn-SSID	802.11bgn-SSID	
		Remove
		Edit
		Duplicate
		Set Default

Figure 3-12

3.3 Available Network

The Available Network tab displays a list of infrastructure and ad-hoc networks for available wireless connection (the following picture)

🏴 11n USB Wireless LA	N Utility	_ 🗆 🔀
Refresh(R) Mode(M) View	(<u>V</u>) About(<u>A</u>)	
🖃 🚽 MyComputer	General Profile Available Network Status Statistics Wi-Fi Protect Setup	
Wireless LAN 80	Available Network(s)	
	SSID Channel Encryption Network Authentication	Signal T
	1 ⁹⁾ 802.11bgn-SSID 6 None Unknown	100% Ir
		>
	Refresh Add to Profile	
	< Note	_
	Double click on item to join/create profile.	
Show Tray Icon	Disable Adapter	Chan
Radio Off		Close
Ready		NUM

Figure 3-13

Double-click the network to which you wish to connect.

Wireless Network Properties:	
Profile Name: 802.11bgn-SSID	
Network Name(SSID): 802.11bgn-SSID	
This is a computer-to-computer(ad hoc) network; wireless access points are not used.	802. 1x configure EAP TYPE :
Channel: 6 (2437MHz) 🗸	бтс 💌
Wireless network security	Tunnel :
This network requires a key for the following:	
Network Authentication: Open System 💉	Username :
Data encryption: WEP	
	Identity :
	Password :
Key index (advanced): 1	
Network key:	Certificate :
Confirm network key:	
OK Cancel	

Figure 3-14

Refer to the former picture choose the Authorization modes and Encryption modes in the drop-down box. If the wireless network uses a Passphrase, enter the Passphrase in the Passphrase field. If the wireless network uses a WEP key, enter the WEP key in the Key field. Click the **OK** button to complete the network connection.

3.4 Status

The Status tab displays the detailed information of current device and wireless connection.

🎫 11n USB Wireless LA	N Utility							_ 🗆 🔀
Refresh(<u>R</u>) Mode(<u>M</u>) View(V) About	(<u>A</u>)						
🖃 😼 MyComputer	General	Profile	Available Network	Status	Statistics	Wi-Fi Protect Setup		
		NDIS Shor Encr Auth Chan MAC Data Chan Statu SSID			 Yes Disable Open FCC 00:E0 Tx:15 6 (24) Assocc 802.1 	System :4C:72:11:12 0 Mbps Rx:300 Mb 37 MHz) iated 1bgn-SSID	ps	
<		Pow Asso	vork Type er Save Mode ciated AP MAC ime (hh:mm:ss)		= None	tructure :B0:91:A1:23 18		
Show Tray Icon			Disa	ble Ada	pter			Close
Radio Off								1036
Ready							NU	M ;

Figure 3-15

3.5 Statistics

The Statistics tab display the stat. value of current wireless connection Tx and Rx, you can click **Reset** button to reset value and restart to count.

🏴 11n USB Wireless LA	l Utility	
Refresh(<u>R</u>) Mode(<u>M</u>) View(() About(<u>A</u>)	
🖃 闍 MyComputer	General Profile Available Network Status Statistics Wi-Fi Protect Setup	
Wireless LAN 80		
	Counter Name Valu	ie
	Tx OK 181	.5
		0
	Rx OK 63	
	Rx Packet Count 63 Rx Retry 10	
		0
	RX ICV EII0I	0
	Reset	
	Neset .	
Show Tray Icon	Disable Adapter	Close
🔲 Radio Off		
Ready		NUM .;;

Figure 3-16

3.6 Wi-Fi Protect Setup

Wi-Fi Protect Setup (WPS) function can let you create a safety network easily. You can through 'PIN Input Config (PIN)' or 'Push Button (PBC)' to encrypt your network. This USB adapter also provides WPS button, you only need to push the WPS button in this USB adapter and the router which support WPS function, then the router will be encrypted to WPA2-AES mode automatically

Note:

- > The status of WPS in the router must be enabled
- If you have configured encryption mode in your router, then when you use this WPS function, please configure encryption mode to NONE, then it will be encrypted to WPA2-AES mode automatically. If you don't want to change your encryption mode, then when you use this function, the router will be encrypted to the mode that you have configured.

🏴 lin USB Vireless	: LAN Utility
Refresh (R) Mode (M) Vie	w (Y) About (A)
Ketresh (k) Mode (m) Vie	gener al Profile Available Network Status Statistics Wi-Fi Protect Setup WI-Fi Protected Setup (WPS) An easy and secure setup solution for Wi-Fi network Pin Input Config (PIN) After pushing the PIN button.Please enter the PIN code into your AP. Input PIN from AP PIN Code : 35229155 Pin Input Config (PIN) Push Button After pushing the PBC button.Please push the physical button on your AP or visual button on the WPS config page. Push Button Config (PBC)
Show Tray Icon	Disable Adapter Close

Figure 3-17

WPS can connect the wireless adapter and the router in a safe way. If you have a router which has WPS button, you may set up a safe network via the following methods

Method 1:

- > Push the WPS button in the Router until the WPS LED flashes
- > Push the WPS button in this wireless network card for about 3-5 seconds
- > The safe connection will be established automatically, please wait

Method 2:

Input the PIN code of the adapter's WPS page into the router's WPS configure page, then click 'connect'



Figure 3-18

WPS PIN Settings		
	Wireless Host PIN Code 35229155	
Connect		

- Figure 3-19
- > Click the 'PIN Input Config (PIN)' in the Wi-Fi protect setup of the adapter



Figure 3-20

- > Select the AP that you want to connect in the pop-up window, and then click 'Select'
- > The connection between the adapter and the router will be established automatically.

Note: If there is more than one AP on the PBC mode when you use the method 1, there will be session overlap. Please using method 2 or wait for a while push the button again.

4 The Access Point mode

We can use the wireless USB adapter to build an access point apart from the station mode. The wireless client can connect to it if the wireless USB adapter is set to access point mode, then you can share an Internet connection with others

Click Mode in the menu bar and select Access Point, then it will change to Access Point mode automatically

4.1 General

General displays the basic information of this AP

🛯 🏁 🛛 11n USB Wireless LAI	l Utility	- • ×
Refresh(R) Mode(M) View	(V) About(A)	
MyComputer Wireless LAN	General Advanced Statistics ICS	
	SSID: PC1_AP	
	BSSID: 00;E5;4C;81;85;93 Association Table	
	AID MAC Address Life Time	
	Config	
 Show Tray Icon Radio Off 	Disable Adapter	Close
Ready		1

Figure 4-1

- SSID: The SSID of this AP
- BSSID: The MAC address of this AP
- Association Table: It displays the PC's MAC address and life time that connect to this AP
- > Config: Configure this AP. Click config, display the following picture

Vireless Network Properties:	
Profile Name: Access Point Mod	9
Network Name(SSID): PC1 AP	
This is a computer-to-computer(ad hor access points are not used. Channel: 1 (2412MHz)	-
Wireless network accounty This network requires a key for the follo	wing:
Network Authentication	
Data encryption	
Key index (advanced): 1	
Confirm network key:	
	Çancel

Figure 4-2

- Profile name: The default is Access Point Mode and can't be modified
- Network name (SSID): The name of this AP and can be modified
- Channel: You can select channel 1 to 14, which provides a choice of avoiding interference
- Network authentication: It contains open system, shared key, WPA-PSK and WPA2-PSK. You can configure safe encryption mode for this AP. If you select encryption mode, then you will need to enter key

4.2 Advanced

11n USB Wireles	s LAN Utility	- DIX
Refresh(R) Mode(M) View	MY About A)	
ByComputer Tireless LAS	General Statistics ICS General Beacon Interval DTIM Period: 3 Preamble Mode Short	
Show Tray Icon Radio Off	Disable Adapter	Close
Ready		4

Figure 4-3

- Beacon Interval: This represents the amount of time between beacon transmissions. Before a station enters power save mode, the station needs the beacon interval to know when to wake up to receive the beacon (and learn whether there are buffered frames at the access point)
- DTIM period: The DTIM period is set on the TIM information element on the DTIM period field. This field is one byte and represents the number of beacon intervals that must go by before a new DTIM is sent.
- Preamble Mode: "Short" is suitable for heavy traffic wireless network. "Long" provides much communication reliability; the default setting is "Short"
- > Set defaults: Set the options in advanced to default
- Apply: Save the options

4.3 Statistics

= 11n USB Wireless	LAN Utility	- 0 ×
Refresh(E) Mode(M) Vie	w(Y) About(A)	
ByComputer	General Advanced Statistics KS	
	Counter Name	Value
Show Tray Icon	Tx OK Tx Error Rx OK Rx Packet Count Rx Retry Rx ICV Error	3134 0 528 529 352 0
	Reset	Close
Ready Ready		
include a		

Figure 4-4

It display receive and transmit information

4.4 ICS

🏴 11n USB Wireless	LAN Utility		
Retresh(R) Mode(M) View	(V) About(A)	1.47 - 57	
ByComputer	General Advanced S	Adistics KS	
A STATE OF A STATE OF A	Setting Internet C	onnection Sharing (ICS)	
	ConnName	Device Name	
	國本地連接	Broadcom NetLini: (TM) Gigabit Ethernet	
	2ª cnc	WAN 後型端口 (PPPOE)	
	Public Network		
	本地连接 Broadcor	m NetLink (TM) Gigabit Ethernet	
		Apply	
	4		
 Show Tray Icon Radio Off 		Disable Adapter	Close
Ready			

Figure 4-5

You can set internet connecting sharing (ICS), select the network you want to share in the list, then click 'apply', the following picture appears. When you connect successfully, you can share network with others

Setting Internet Conne	$\langle \rangle$
Please wait	

Figure 4-6

5 Troubleshooting

This chapter provides solutions to problems that may occur during the installation and operation of the Wireless USB Adapter. Read the descriptions below to solve your problems.

1. The Wireless USB Adapter does not work properly.

Reinsert the Wireless USB Adapter into your PC's USB slot. Right click My Computer and select Properties. Select the device manager and click on the Network Adapter. You will find the Adapter if it is installed successfully. If you see the yellow exclamation mark, the resources are conflicting. You will see the status of the Adapter. If there is a yellow question mark, please check the following:

Make sure that your PC has a free IRQ (Interrupt ReQuest, a hardware interrupt on a PC.)

Make sure that you have inserted the right adapter and installed the proper driver. If the Adapter does not function after attempting the above steps, remove the adapter and do the following: Uninstall the driver software from your PC.

Restart your PC and repeat the hardware and software installation as specified in this User Manual.

2. I cannot communicate with the other computers linked via Ethernet in the Infrastructure configuration.

Make sure that the PC to which the Adapter is associated is powered on.

Make sure that your Adapter is configured on the same channel and with the same security options as with the other computers in the Infrastructure configuration.

3. What should I do when the computer with the Adapter installed is unable to connect to the wireless network and/or the Internet?

Check that the LED indicators for the broadband modem are indicating normal activity. If not, there may be a problem with the broadband connection.

Check that the LED indicators on the wireless router are functioning properly. If not, check that the AC power and Ethernet cables are firmly connected.

Check that the IP address, subnet mask, gateway, and DNS settings are correctly entered for the network.

In Infrastructure mode, make sure the same Service Set Identifier (SSID) is specified on the settings for the wireless clients and access points.

In Ad-Hoc mode, both wireless clients will need to have the same SSID. Please note that it might be necessary to set up one client to establish a BSS (Basic Service Set) and wait briefly before setting up other clients. This prevents several clients from trying to establish a BSS at the same time, which can result in multiple singular BSSs being established, rather than a single BSS with multiple clients associated to it.

Check that the Network Connection for the wireless client is configured properly.

If Security is enabled, make sure that the correct encryption keys are entered on both the Adapter and the access point.