

# Vigor N61 Wireless Adapter User's Guide

Version: 1.01 Date: 2008/02/19

Copyright 2008 All rights reserved.

This publication contains information that is protected by copyright. No part may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language without written permission from the copyright holders. The scope of delivery and other details are subject to change without prior notice.

Microsoft is a registered trademark of Microsoft Corp. Windows, Windows 95, 98, Me, NT, 2000, XP and Explorer are trademarks of Microsoft Corp. Apple and Mac OS are registered trademarks of Apple Computer Inc. Other products may be trademarks or registered trademarks of their respective manufacturers.

Please visit www.draytek.com to get the newly updated manual at any time.

### **European Community Declarations**

Manufacturer: DrayTek Corp.

Address:No. 26, Fu Shing Road, HuKou County, HsinChu Industrial Park, Hsin-Chu, Taiwan 303Product:Vigor N61Wireless Adapter

DrayTek Corp. declares that Vigor N61Wireless Adapter are in compliance with the following essential requirements and other relevant provisions of R&TTE Directive 1999/5/EEC.

The product conforms to the requirements of Low Voltage (LVD) Directive 2006/95/EC by complying with the requirements set forth in EN60950.

#### **Regulatory Information**

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 use 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 form 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 may accept any interference received, including interference that may cause undesired operation.

Please visit http://www.draytek.com/about\_us/R\_TTE\_Certification.php for certificate document.



This product is designed for the 2.4GHz WLAN network throughout the EC region and Switzerland with restrictions in France.

## Table of Contents



Preface	5
Wireless LAN Basics	5
Warning	5



Installation Overview	7
Introduction	. 7
Installation Procedure	. 7
Uninstalling USB Driver	12



Configuration	15
Wireless USB Adapter Utility	15
Configuration	16
Status	
Option	
About	27



Miscellaneous	29
Windows Zero Configuration	

This page is left blank.



Thank you for purchasing Wireless LAN Adapter. This manual will assist you with the installation procedure and is valid for Wireless LAN adapters.

#### Wireless LAN Basics

Wireless LAN (Local Area Networks) systems offer a great number of advantages over a traditional, wired system. Wireless LANs (WLANs) are more flexible, easier to setup and manage and often more cost effective than their wired equivalence.

Using radio frequency (RF) technology, WLANs transmit and receive data over the air, minimizing the need for wired connections. Thus, WLANs combine data connectivity with user mobility, and, through simplified configuration, enable movable LANs.

With wireless LANs, users can access shared information without looking for a place to plug in and network managers can set up or augment networks without installing or moving wires. Wireless LANs offer the following productivity, convenience and cost advantages over traditional wired networks:

- Mobility Wireless LAN systems can provide LAN users with access to real-time information anywhere in their organization. This mobility supports productivity and service opportunities not possible with wired networks.
- Installation Speed and Simplicity Installing a wireless LAN system can be fast and easy and can eliminate the need to pull cable through walls and ceilings.
- Installation Flexibility Wireless technology allows the network to go where wires cannot go.
- Reduced Cost-of-Ownership While the initial investment required for wireless LAN hardware might be higher than the cost of wired LAN hardware, overall installation expenses and life-cycle costs will be significantly lower. Long-term cost benefits are greatest in dynamic environments requiring frequent moves, adds, and changes.
- Scalability Wireless LAN systems can be configured in a variety of topologies to meet the needs of specific applications and installations. Configurations are easily changed and range from peer-to-peer to full infrastructure networks, also allow roaming over a broad area.

#### Warning

- Compatibility with IEEE 802.11n future version is not guaranteed.
- Compatibility with IEEE 802.11n draft devices from other manufacturer is not guaranteed.

This page is left blank.



#### Introduction

Before installing Vigor N61, make sure that there is already an Access Point existed on the wireless network. It is needed in case of Infrastructure network mode.

Here are some steps you will perform in establishing your wireless network connection:

- Install the USB Driver for Vigor N61 by using the Install CD.
- Install the Wireless card.
- Configure network protocol(s) that is required to communicate on your network. Most likely you will need the TCP/IP protocol.

#### Installation Procedure

*Important !!* Before you installing USB driver for Vigor N61, do not insert the wireless adapter in your computer.

Follow the step below to install USB driver.

1. Insert the CD into your computer. The following screen will appear.



2. The setup wizard will appear as follows. Please click Next.



3. Now, you can insert Vigor N61 to the USB port of your computer. Then click Next.







Connect with USB cable

Connect directly

4. In this page, you have to choose **"I accept..."** to continue the installation. If you do not accept the agreement, you can click **"I do not..."** to exit the wizard. And the driver installation will not be installed to your computer.

License Agreement	- Aller (
Please read the following license agreement	nt carefully.
All rights reserved. No part of publication n stored in a retrieval system, or translated in form or by any means, electronic, mechan otherwise, without the prior written pemissi	nay be reproduced transmitted, transcribed, to any language or computer language in any cal, magnetic, optical, chemical, manual, or on of this company.
<ul> <li>I accept the terms of the license agreer</li> <li>I do not accept the terms of the license</li> </ul>	nent <u>Print</u> agreement

5. There are two types of setup that you have to choose, **Complete** or **Install Driver Only**. If you do not know which one is proper, simply choose **Complete** and click **Next**.

Vigor N61 802.11n Wireless USB Adapter	X
Setup Type Select the setup type that best suits your needs.	No.
Click the type of setup you prefer.	
Complete Install Driver Only	Description Choose this option to install the driver and client utilities. This is recommended option.
InstallShield	
<u> &lt; B</u> a	ick <u>N</u> ext> Cancel

6. The default destination folder will be specified in this page. Also, you can click **Browse...** to choose another folder for storing the driver. Click **Next**.

Choose Destination Location Select folder where setup will install file	18.	
Setup will install Vigor N61 802.11n W	ireless USB Adapter Setup in	the following folder.
To install to this folder, click Next. To in another folder.	nstall to a different folder, clic	k Browse and select
Destination Folder C:\Program Files\DrayTek Vigor N61		Browse
Destination Folder C:\Program Files\DrayTek Vigor N61		Browse

7. A default program folder will be offered by the setup program. If you do not want to change it, simply click **Next**.



8. The setup program is executing the installation by copying corresponding files to your computer.

Vigor N61 802.11n Wireless USB Adapter	X
Setup Status	
Vigor N61 802.11n Wireless USB Adapter Setup is configuring your new software installation.	
C:\Program Files\DrayTek Vigor N61\WlanMon.exe	
InstallShield	
Cancel	

9. Now the system will ask you to restart your computer to complete the whole installation. After choosing the proper setting, please click **Finish**.

Vigor N61 802.11n Wireless USB Adapter			
Dray Tek	InstallShield Wizard Complete         The InstallShield Wizard has successfully installed Vigor N61 802.11n Wireless USB Adapter Setup. Before you can use the program, you must restart your computer.         Image: Mage: Setup Se		
	< Back Finish Cancel		

10. After restarting your system, the system will find out the hardware (wireless LAN card) automatically. When it locates, a message will be shown on the system tray.



11. Now, you can find the N61 utility icon in the system tray. Double click it to open the configuration window of Vigor N61 wireless adapter.



## **Uninstalling USB Driver**

If you want to remove the driver for this wireless card, please do the following:

1. Run Start >> Programs>> Vigor N61 802.11n Wireless USB Adapter Utility>>Uninstall.



2. The Preparing Setup will appear.

Vigor N61 802.11n Wireless USB Adapter - InstallShield Wizard
Preparing Setup Please wait while the InstallShield Wizard prepares the setup.
Vigor N61 802.11n Wireless USB Adapter Setup is preparing the InstallShield Wizard, which will guide you through the rest of the setup process. Please wait.
InstallShieldCancel

3. When the following screen appears, please click **OK**.



4. Now, the system starts to remove the corresponding files.

Vigor N61 802.11n Wireless USB Adapter	X
Setup Status	
Vigor N61 802.11n Wireless USB Adapter Setup is configuring your new software installation.	
Removing files	
InstaliShield	

5. When the following dialog appears, please click **Finish**.



This page is left blank



### Wireless USB Adapter Utility

After finish the driver installation, it is the time to configure the wireless utility for accessing into Internet through wireless connection. Double click on the N61 utility icon on the system tray. Or open the wireless monitor utility by **clicking Start** >> **Programs**>> **USB Wireless LAN Card** >>**802.11g USB Wireless LAN Card Utility**.



The **Wireless USB Adapter Utility** window will appear as the following. Basically, the software will scan and display available wireless AP automatically.

	numper onny			X
Configuration Status Option At Available WLANs: To connect to available WLAN	pout		Refresh	Connect
SSID         M           1 2100 test         00:5           1 2700 fine         00:5           1 2950-Gen123         00:1           1 5F         00:1           1 as01         00:5	1AC (BSSID)         50:7F:00:00:00         0:7F:AE:37:30         4:85:D9:54:89         2:0E:37:39:7B         50:7F:33:22:11	Signal         €∞           46%         €∞           50%         30%           30%         38%           74%         50%	Security WEP Disable Disable Disable Disable	CH 6 9 8 6 3
Please select a profile group to apply : New Rename Delete Select	Automatically conne SSID i Tom i default	et to available WLA Security Open Sy Open Sy	AN per below New Remove Properties <u>Re-Co</u>	Move to Export Import connect

This chapter will introduce each tab in detail. Also, an example of configuration will be provided for your reference.

### Configuration

The wireless USB adapter utility will find out all the available Access Points and list them automatically for you to choose. *The following figure is just an example. The real available list depends on the AP(s) that found around your computer system.* 

Configuration Status Option About Available WLANs: To connect to available WLAN	Refresh	Connect
SSID         MAC(BSSID)           2100 test         00:50:7F:00:00:00           2700 fine         00:50:7F:AE:37:30           2950-Gen123         00:14:85:D9:54:89           5F         00:12:0E:37:39:7B           aa01         00:50:7F:33:22:11           Profile Group Control         Preferred WLANs:	Signal     Security       46%     Security       50%     Disable       30%     Disable       38%     Disable       74%     Disable	CH 6 9 8 6 3 ~
Please select a profile group to apply :       Automatically conn         New       SSID         Rename       Image: Conn         Delete       Image: Conn         Select       Select	ect to available WLAN per below          Security       New         Open Sy       Remove         Open Sy       Properties         Image: Constraint of the system       Re-Constraint of the system	Move to Export Import mnect

In the field of Available WLANs, you can see:

**SSID** 

MAC (BSSID)

Signal Security

CH

Refresh

Connect

It displays the SSID of the AP.

means the AP is ready for you to connect

means connecting to that AP successfullymeans connection is failed.

Å

It the available APs are many, scroll bars will appear for the user to scroll and select preferred AP. Please select the one (Access Point) that you want to connect for accessing Internet.

It means the MAC address of current wireless card.

<b>T</b> 1 (1		.1 11	1 1 1 11 111
The more the	nercentage 10	the better the	link anglity will be
	percentage is.	inc bener inc	mink quanty will be.
	1 0 /		1 2

- It displays security method that the AP used.
- It displays the connection channel that the AP used.

It can re-search available APs on wireless network whenever the user clicks it. By the way, the whole list will be refreshed in a certain time automatically.

It starts to build a connection between the station (client) and the AP.

#### In the field of **Profile Group Control**, you can see:

Profile <u>G</u> roup Control Please select a profile group to apply :		
three	Ne <u>w</u>	
	Rena <u>m</u> e	
	Delete	
	Select	

New

It allows you to add a new profile to group several APs.

Click New to open the following dialog box. Type a new name in the box and click OK.

Group Rename	
Please input the new name for this group	
three	
<u>OK</u> <u>C</u> ancel	

The new group with the name you typed will be shown as the following.

- Profile <u>G</u> roup Control Please select a profile group to apply :		
	New	
💡 three	Rena <u>m</u> e	
	Delete	
	Selec <u>t</u>	

 Rename
 It allows you to modify the selected profile name.

 Delete
 It allows you to delete the selected profile.

 Wireless Network Configuration
 It allows you sume?

 Please kindly notice that delete the group that it will contain all profile of the group. Are you sume?

 Yes
 No

 Select
 It allows you to select one profile for use.

n the field of Preferred	WLANs,	you c	can see	::
--------------------------	--------	-------	---------	----

SSID	It displays the SSID of the AP.
Security	It displays security method that the AP used.
New	It allows you to add a new profile.
Move to	It allows you to move a selected profile to another profil

It allows you to move a selected profile to another profile group. After click this button, the following dialog will appear for you to assign which group that you want to move to.

M	Move to another group 🔀	
	Please select a group :	
	🗸 Group-1	
	Group-2	
	OK Cancel	

It allows you to select one of the existed profiles and click this button to remove it.

It allows you to save the profile record as a file with file format of .AWP. Please type the required password as shown in the following dialog.

Profile Password	
Input profile password:	
Confirm again :	
<u>O</u> K	Cancel

 Properties
 It displays properties of current connected AP.

 For the detailed information, refer to "To add a new WLAN AP…" below.

 Import
 It allows you to load a pre-saved profile record into current connected AP. When you want to import such profile, you have to type the correct password for that AWP file.

 Profile Password
 Imput profile password: \*\*\*\*

<u>O</u>K

#### **Re-Connect**

Remove

Export

It allows you to select one of the existed profiles for applying with current connected Access Point.

Cancel

To add a new WLAN AP, please click **New** to open the following dialog.

¥	Wireless Network Properties		
	Wireless network name (SSID):		
	- Wireless network key		
	This network requires a	a key for the following:	
	A $\underline{u} then tication Mode:$	Open System	*
	Data <u>E</u> ncryption:	Disable	*
	Key length: 64 bit	z (40+24) - 10 Hexadecimal digit	~
	Default key: Key 1		
	Network <u>K</u> ey :		
	Con <u>f</u> irm Key		
	Enable 802.1 <u>X</u>		
	Authentication Config		
This is a computer to computer (ad <u>h</u> oc) network; no access points are used.			
	IP & Proxy Setting OK Cancel		

Different authentication mode will guide different data encryption, key length, default key and so on.

Wireless network name (SSID)	Please type the name for the AP or wireless router you want to connect.		
Authentication Mode	There are six modes provided for you to choose for data encryption in connection.		
	Authentication Mode: Open System 🔽		
	Data Encryption: Open System Shared Shared Kare		
	Key length: 64 bits (WPA WPA-PSK		
	Default key: Key 1 WPA2 WPA2_PSK		
Data Encryption	It will be different according to the <b>Authentication Mode</b> yo choose. For <b>Open System/Shared Key</b> and <b>Open System</b> , the data encryption can be disabled or assigned with WEP.	u	
	Data Encryption: Disable		
	Key length: 64 bits (WEP		

For **Shared**, **WPA**, **WPA-PSK**, **WPA2** and **WPA2\_PSK**, the data encryption can be **TKIP** or **AES**. You have to choose the one which is the same with the setting configured in AP that you want to connect.

A <u>u</u> thentication Mode:	WPA 🔽
Data <u>E</u> ncryption:	TKIP 🔽
Key length: 64 bits (4	TKIP AES

Key Length	Choose the key length for the wireless card. The method you choose here must be the same as the method set in the connected AP.
	Key length:64 bits (40+24) - 10 Hexadecimal digit ♥Default key:64 bits (40+24) - 10 Hexadecimal digits 128 bits (104+24) - 26 Hexadecimal digits 64 bits (40+24) - 5 ASCII digits 128 bits (104+24) - 13 ASCII digitsNetwork Key:128 bits (104+24) - 13 ASCII digits
	<ul> <li>The number you typed here should be the same as the number set in the connected AP. According to the input method you selected, the characters that you have to set will differ.</li> <li>For 10/26 Hexadecimal digits: Type 10/26 hexadecimal numbers in this field.</li> <li>For 5/13 ASCII digits: Type 5/13 ASCII characters in this field.</li> </ul>
Default Key	Specify the one which is the same as the setting in the connected AP.
	Default key: Key 1 ✓ Network Key: Key 1 Key 2 Key 3 Confirm Key
Enable 802.1X	It will be available when you choose Open System.
Authentication Config	Such button will be available after you check Enable 802.1X.

Such button will be available after you check **Enable 802.1X**. You have to type the same parameters as set in the connected AP. Otherwise the connection will not be successful.

Advance Security Set	tings 🔀
- WPA-PSK WPA <u>P</u> assphrase Check Passp <u>h</u> ra	58
EAP Type EAP Type:	EAP-TLS
Certificate Uger Certificate	
<u> </u>	Dertificate
User Information User Name	Domain Name
Pass <u>w</u> ord	
Con <u>f</u> irm Password	
TTLS Identity	
Trust CA List	
	<u>A</u> dd <u>R</u> emove
	<u>OK</u>

Vigor N61 User's Guide

20

**WPA Passphrase** - Type the password for authentication with AP while using WPA PSK mode.

**Check Passphrase** - Check this box to make the characters of passwords being visible.

**EAP Type** - A type for authentication between station and radius server while executing 802.1X mode. For some EAP types, you have to choose a sub-item from the drop down menu on its right side for using together. Refer to the following sample graphics.

EAP Type:	PEAP 😽
e er Certificate	EAP-TLS LEAP EAP-TTLS PEAP

EAP Type: EAP-TTLS	Y PAP Y
e er Certificate alidate Server Certificate	PAP CHAP MSCHAP MSCHAPV2 EAP-MD5 EAP-Token Card EAP-MSCHAPV2

EAP Type:	PEAP 🗸 🗸	EAP-MD5	~
e		EAP-MD5 EAP-Token Card EAP-MSCHAPV2	

User Certificate – The radius server will assign a user certificate for users. Type the characters in this box. Validate Server Certificate - Check this box to validate the

server certificate for radius server. **User Name** - Type the certificate account for radius server. **Domain Name** - Type the domain name for the radius server. **Password** – Type the password for connection with WPA-PSK mode.

**Confirm Password** - Type the password again to confirm it. **TTLS Identify** – Type the TTLS ID for the radius server. **Add** – You can add a trust CA server by clicking **Add.** The following dialog will appear for you to enter a new name.

Add trust server		×
Enter the trust server :		
1		
<u>O</u> K	Cancel	

**Remove** – For the CA server which is useless, please select that one from Trust CA List and click this button to delete it.

This setting allows you to set IP and proxy. Please click this button to open the following window.

**IP & Proxy Setting** 

LAN Settings		×
IP Config ProxySetting		_
🗹 Obtain an IP address automatica	ally	
-IP address setting		
IP address:		
Subnet mask:		
Default gateway:		
DNS server address setting Preferred DNS server: <u>A</u> lternate DNS server:	· · ·	
WINS address setting		
Primary <u>W</u> INS:		
S <u>e</u> condary WINS:		
	<u>OK</u> <u>Cancel</u>	

**Obtain an IP address automatically** – Check this button to get IP address automatically for such wireless card. If you do not check this button, you have to type IP address, subnet mask and default gateway manually.

**IP** Address – Type the LAN IP address for the wireless card. **Subnet mask** – Type the subnet mask for the wireless card. **Default gateway** – Type the default gateway for the wireless card.

**Obtain DNS server address automatically** - Check this button to get DNS server address automatically for such device. If you do not check this button, you have to type Preferred DNS server address and Alternative DNS server manually.

**Preferred DNS server** – Type the address for primary DNS server.

Alternate DNS server – Type the address for secondary DNS server.

**Primary WINS** - Type the IP address for primary WINS. **Secondary WINS** - Type the IP address for secondary WINS.

To set proxy setting, click **ProxySetting** tab to display the following window:

LAN Settings		×
IP Config Pro	oxySetting	
-Automatic Co	onfiguration	
📃 📃 Automatic	cally detect settings	
📃 🛄 🔄 📃 📃	natic configuration script	
A <u>d</u> dress		
-Proxy Server		5
✓ Use a pro:	xy server for LAN	
Bypass pr	roxy server for local addresses.	
<u>H</u> TTP:	Port :	
📃 Use the sa	ume proxy server for all protocols.	
Secure :	Port :	
<u>F</u> TP :	Port :	
<u>G</u> opher:	Port :	
Soc <u>k</u> s : [	Port :	
-Exceptions-		5
Do not use p	roxy server for address beginning <u>w</u> ith :	
(null)		
II		
Use semicolo	uns(,) io separate entrys.	
	<u>O</u> K <u>C</u> anc	el 🔰

**Automatically detect settings** – Check this box to let the system detect proxy settings automatically.

**Use automatic configuration script** – Check this box to use the configuration script automatically according to the IP address typed below.

**Address** - Type the LAN IP address to get the configuration information for proxy.

Use a proxy server for LAN – Check this box to make the proxy server being used in LAN.

**Bypass proxy server for local address** – The proxy server will not be used for local address if you check this box.

**HTTP/Port** – Type proxy IP and port number used for HTTP. **Use the same proxy server for all protocols** - Check this box to make all the protocols to use same proxy server.

Secure/Port – Type proxy IP and port number for secure.

**FTP/Port** - Type proxy IP and port number for FTP.

**Gopher/Port** – Type proxy IP and port number for Gopher. **Socks/Port** - Type proxy IP and port number for Socks.

**Do not use proxy server for address beginning with** - Type the heading of IP address that you do not want to use as a proxy server.

### **Status**

This page provides connection status and hardware information for the device. Simply click **Status** tab on the Wireless USB Adapter window.

gor N61 802.11n Wireless USB Adapter Ut	ility		Þ
Configuration Status Option About			
- Connection State			
Connection Status :		Connected	
SSID:		Tom	
BSSID:		00:14:85:D8:4C:B0	
Network Type :		Infrastructure	
Frequency :		802.11g-2.4GHz	
Channel :		6	
Data Encryption :		Disable	
Speed :		48.0 Mbps	
Authentication State :		Connected	
Signal Strength :			
Hardware Information	Advance State		
MAC Address : 00:18:02:5D:2E:8A	Radio Status:	ON	
Regulatory Domain : ETSI			
		K Cancel	Apply

It displays current status of connection.
It displays the SSID of the AP that your computer connected.
It displays the MAC address for current device.
It displays the mode (Infrastructure or Ad-Hoc) that you set for connecting to AP.
It displays the frequency that this wireless card. used.
It displays the channel used for this wireless card.
It displays the encryption way for authentication mode used for this wireless card.
It displays current transferring rate for the link.
It displays the encryption status for connection.
The longer the red bar for signal strength is, the better the connection effect will be. The graph is active only when you choose Access Point as the network type.
It displays the MAC address for AP or wireless router that station connected.
It displays Regulatory Domain for different areas. For example, it will display ETSI (CH1~CH13) for nations in Europe, display FCC(CH1~CH11) for USA, etc.
It displays <b>On</b> or <b>Off</b> status for this wireless card.

# Option

Simply click **Option** tab on the Wireless USB Adapter window.

Vigor N61 802.11n Wireless USB Adapter Utility			×
Configuration Status Option About			
General Setting          General Setting         Auto launch when Windows start up         Remember mini status position         Auto hide mini status         Set mini status always on top         Enable IP Setting and Proxy Setting in Profile         Group Roaming	Advance Setting Disable <u>R</u> adio <u>Fragmentation Threshold</u> : RTS Threshold: Frequency: Ad-hoc <u>C</u> hannel: Power Save Mode:	2346 2347 802.11b/g/n - 2.4GH ¥ 1	
WLAN type to connect <ul> <li>Infrastructure and Ad-hoc network</li> <li>Infrastructure network only</li> <li>Ad-hoc network only</li> <li>Automatically connect to non-preferred networks</li> </ul>	Tx <u>B</u> urst : OK	Disable v	

Auto launch when Windows start up	Check this button to launch the wireless connection when Windows starts up. If you do not check this box, you can launch wireless connection manually.
Remember mini status position	Remember and fix the position of mini status dialog.
Auto hide mini status	Check this button to hide the mini status icon which appears on the right bottom of the desktop.
Set mini status always on top	Check this button to make the mini status icon to be displayed on the top of the desktop.
Enable IP Setting and Proxy Setting in Profile	Check this box to enable IP setting and Proxy Setting in profile. Refer to IP & Proxy Setting on page 20 for more information.
Group Roaming	You can configure several groups with different APs. The wireless card allows the station to be roamed among different groups of APs. Simply check this box to have group roaming.
Infrastructure and Ad-hoc network	Infrastructure and Ad-hoc network are the common two types for connection through wireless LAN. Click this radio button to make the system selecting suitable type for your device.
Infrastructure network only	Click this button to use infrastructure network only.
Ad-hoc network only	Click this button to use ad-hoc network only.
Automatically connect to non-preferred networks	Check this box to let your wireless card connect to any non-preferred networks if the network you want to connect is failed.
Disable Radio	Check this button to close the connection function of this

	wireless card.			
Fragmentation Threshold	Set the value for fragmentation threshold. The default value is 2346.			
<b>RTS Threshold</b>	Set the value for RTS threshold. The default value is 2347.			
Frequency	Please choose the wireless frequency for this card.			
	Frequency :	802.11b/g/n - 2.4GH 802.11b-2.4GHz 802.11b/g-2.4GHz 802.11b/g/n - 2.4GHz		
Ad-hoc Channel	Please choose one chan	nel. It must match the channel set in AP.		
	Ad-hoc <u>C</u> hannel:	1		
		1 2 3 4 5 6 7 8 9 10 10 11 12 13		
Power Save Mode	To save the power, you can choose <b>Max Save</b> or <b>Fast Save</b> . The default setting is <b>Disable</b> .			
	Po <u>w</u> er Save Mode:	Disable		
		Disable Max Save		
	MaxSave – It can save signal also is bad. FastSave- It is standard Disable – The power w signal will be better.	lots of power. However, the wireless node for power saving. ill not be saved. However, the wireless		
Tx Burst	Such function can increase the data transmission rate within a short time. Choose <b>Enable</b> to activate the function, otherwise, choose <b>Disable</b> to close the function.			
	Tx <u>B</u> urst :	Disable V Disable Enable		

## About

This page provides software information such as utility version and driver versions. Simply click **About** tab on the Wireless USB Adapter window.

¥igor N61 802.11n W	ireless USB Adapter Utility	×
Configuration Status	Option About	
	Due Tol	
	<b><i><b>Γ</b></i>αγ1</b> <i>e</i> <b>κ</b>	
	Utility Version : V3.0.44.0719	
	Driver ∀ersion : 1.00.04.0000	
	Secured by Odyssey	
	Contricts 2007 Develop Companying All Dicks Developed	
	Copyright 2007, Dray tex Corporation. All Rights Reserved.	
	OK Cancel Apply	
Utility Version	It displays the version number of this utility.	

**Driver Version** It displays the driver version of this wireless card.

This page is left blank



### Windows Zero Configuration

Each time you power on your computer, the wireless monitor utility will activate automatically after you configured for your PC. If you do not want to activate it but want to enable wireless connection, simply activate Windows Zero Configuration to achieve your goal.

First, you have to check if the Windows Zero Configuration is enabled or not. Go to **Start>>Settings>>Control Panel** and double click **System Administrative Tools >> Service**. The Service window will appear as follows.

rvices						
Action View F	Help					
› 📧 🗳	) 🖾 😫 🕨 🗉 🗉 💷					
vices (Local)	🌯 Services (Local)					
	Wireless Zero Configuration	Name 🔺	Description	Status	Startup Type	Log On As
	-	RT73 USB Wireless LAN Card Serv	Wireless LAN Service	Started	Automatic	Local System
	Start the service	Secondary Logon	Enables starting processes	Started	Automatic	Local System
		Security Accounts Manager	Stores security informatio	Started	Automatic	Local System
	Description:	Security Center	Monitors system security s	Started	Automatic	Local System
	Provides automatic configuration for the	Server	Supports file, print, and n	Started	Automatic	Local System
	802.11 adapters	Shell Hardware Detection		Started	Automatic	Local System
		Simple Mail Transfer Protocol (SMTP)	Transports electronic mail	Started	Automatic	Local System
		Smart Card	Manages access to smart		Manual	Local Service
		SSDP Discovery Service	Enables discovery of UPnP	Started	Automatic	Local Service
		System Event Notification	Tracks system events suc	Started	Automatic	Local System
		System Restore Service	Performs system restore f		Automatic	Local System
		Task Scheduler	Enables a user to configur	Started	Automatic	Local System
		TCP/IP NetBIOS Helper	Enables support for NetBI	Started	Automatic	Local Service
		Telephony	Provides Telephony API (T	Started	Manual	Local System
		S Telnet	Enables a remote user to I		Manual	Local System
		Terminal Services	Allows multiple users to be	Started	Manual	Local System
		www.Themes	Provides user experience t	Started	Automatic	Local System
		Uninterruptible Power Supply	Manages an uninterruptibl		Manual	Local System
		Universal Plug and Play Device Host	Provides support to host U	Started	Automatic	Local Service
		Wa VNC Server Version 4		Started	Automatic	Local System
		Volume Shadow Conv	Manages and implements		Manual	Local System
		WebClient	Enables Windows-based n	Started	Automatic	Local Service
		Windows Audio	Manages audio devices for	Started	Automatic	Local System
		Windows Firewall (Internet Conne	Provides network address	Started	Automatic	Local System
		Windows Image Acquisition (WIA)	Provides image acquisition	Started	Manual	Local System
		Windows Installer	Adds modifies and remov	Startoa	Manual	Local System
		Windows Management Instrumen	Provides a common interfa	Started	Automatic	Local System
		Windows Management Instrumen	Provides systems manage	Startea	Manual	Local System
		Windows Time	Maintains date and time sv	Started	Automatic	Local System
		Wireless Zero Configuration	Provides automatic config	Julited	Automatic	Local System
		WMI Performance Adapter	Provides performance libra		Manual	Local System
		Workstation	Creates and maintains die	Started	Automatic	Local System
		- Workstation	Creaces and maintains tile	Sharled	Automatic	Local System
Í	Extended Standard					

Locate Wireless Zero Configuration. If you find that the status of WZC is not enabled, please click the wireless monitor utility icon and choose **Enable Windows Zero Configuration** (WZC) to activate it.



Then follow the steps below to configure WZC.

1. Double click the wireless connection icon on the system tray.



2. Next, the following window will appear.



3. Click **Change Advanced Settings** and the following window will be shown. Press the **Wireless Networks** tab.

L Wireless Network Connection 5 Prop	erties 💦 🛜 🔀
General Wireless Networks Advanced	
✓ Use Windows to configure my wireless network	ork settings
Available networks:	
To connect to, disconnect from, or find out mo about wireless networks in range, click the but	re information ton below.
View Win	eless Networks
Preferred networks: Automatically connect to available networks in below:	the order listed
	Move <u>d</u> own
<u>Add</u> <u>Remove</u> Propertie Learn about <u>setting up wireless network</u> <u>configuration.</u>	s Ad <u>v</u> anced
ОК	Cancel

4. Click **Add** to open next window. In this window, type the SSID of the AP that you want to connect with the wireless card. Here, **Tom** is entered as an example. And choose WPA-PSK as the Network Authentication and TKIP as the Data encryption. Then, type the encryption key characters.

Wireless network properties	? 🛛
Association Authentication Connect	tion
Network <u>n</u> ame (SSID):	
Wireless network key	
This network requires a key for the f	following:
Network <u>A</u> uthentication:	/PA-PSK
Data encryption:	KIP 💌
Network key:	••
Confirm network key:	•••
Key inde <u>x</u> (advanced): 1	natically
This is a computer-to-computer (ad access points are not used	I hoc) network; wireless
	OK Cancel

The type for Network Authentication, Data encryption and key must be the same values as configured in the AP that you want to connect.

5. Press the **Authentication** tab. Choose the EAP type which is the same as configured in the AP.

Wireless network properties
Association Authentication Connection
Select this option to provide authenticated network access for wireless Ethernet networks.
EAP type: Smart Card or other Certificate Protected EAP (PEAP) Smart Card or other Certificate Properties
Authenticate as computer when computer information is available
Authenticate as guest when user or computer information is unavailable
OK Cancel

- 6. After click **OK**, the wireless station can associate with the AP.
- 7. Open **Wireless Connection** window. Please choose "**Tom**" (as an example) and click **Connect**.



8. The wireless connection starts. Please wait for it completes.



9. The wireless connection has been established.

Free Manuals Download Website <u>http://myh66.com</u> <u>http://usermanuals.us</u> <u>http://www.somanuals.com</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.cc</u> <u>http://www.4manuals.com</u> <u>http://www.404manual.com</u> <u>http://www.luxmanual.com</u> <u>http://aubethermostatmanual.com</u> Golf course search by state

http://golfingnear.com Email search by domain

http://emailbydomain.com Auto manuals search

http://auto.somanuals.com TV manuals search

http://tv.somanuals.com