

Wireless Adapter

User Manual

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 pro-vide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not in-stalled 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.

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.

2) This device must accept any interference received, including interference that may cause undesired operation.

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

FCC RF Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

CE Mark Warning

This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

National Restrictions

2400.0-2483.5 MHz

Country	Restriction	Reason/remark
Bulgaria		General authorization required for outdoor use and public service
France	Outdoor use limited to 10 mW EIRP.	Military Radiolocation use. Refarming of the 2.4 GHz band has
	within the band 2454-2483.5 MHz	been ongoing in recent years to allow current relaxed regulation.
		Full implementation planned 2012

Italy		If used outside of own premises, general authorization is
		required
Luxembourg		General authorization required for network and service
		supply(not for spectrum)
Norway	Implemented	This subsection does not apply for the geographical area within a
		radius of 20 km from the centre of Ny-Ålesund
Russian		Only for indoor applications
Federation		

Note: Please don't use the product outdoors in France.

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Chapter 1 Overview

Thank you for choosing Rosewill's 802.11n Wireless USB adapter. This chapter is to introduce you more about this Wireless Adapter.

1.1 Package Content

Before getting started, please verify that your package includes the following items:

- 1. 802.11n Wireless USB Adapter x 1
- 2. Quick Installation Guide x 1
- 3. CD x 1, including:
 - Wireless N Client Utility and Driver
 - User Manual

Note:

Make sure that the package contains the above items. If any of the listed items are damaged or missing, please contact with your distributor.

1.2 Overview of the Product

The adapter is an 802.11n client device; it is designed to provide a high-speed and unrivaled wireless performance for your computer or notebook. With a faster wireless connection, you can get a better Internet experience, such as downloading, gaming, video streaming and so on.

With the 802.11n technology, the RNX-MININ1 allows high packet transfer rate of up to 150Mbps for maximum download throughput. It can also interoperate with other wireless (802.11b, 802.11g). The adapter supports WEP, WPA and WPA2 encryption to prevent outside intrusion and protect your personal information from being exposed.

The adapter is easy to install and manage. The Quick Setup guides you step-by-step through the installation process; the Rosewill Wireless N Client Utility helps you create a wireless connection immediately.

With unmatched wireless performance, reception, and security protection, the is also designed to be one of the smallest size wireless adapter so you can use without any interference. It is the best choice for easily adding or upgrading wireless connectivity to your notebook and computer.

1.3 Features

- Comply with IEEE 802.11b/g/n standards with up to 150Mbps data transfer speed.
- Ultra-Nano size design with USB 2.0/1.1 interface.
- Supports QoS Enhancement (WMM) for multimedia applications' smoothness
- High level of security with Wireless encryption of 64/128-bit WEP, WPA, WPA2, and IEEE802.1x functions.

- Runs under most popular operating systems: Windows XP/Vista/7 (32/64 bits), Mac OS X and more.
- Supports Software WPS (WiFi Protected Setup) connection.
- Green Energy Saving: supports auto transmit power adjustment and idle energy auto control.

•	+ 110duct Spec	
	Chipset	Realtek RTL8188CUS
	Standard	IEEE 802.11b/g/n; IEEE 802.11e QoS Enhancement (WMM);
		IEEE 802.11h TPC, Spectrum Measurement
	Bus Type	USB 2.0 Type A
	Frequency Band	2.4000~2.4835GHz (Industrial Scientific Medical Band)
	Data Rate	11b: 1/2/5.5/11Mbps; 11g: 6/9/12/24/36/48/54Mbps
		11n (20MHz): MCS0-7, up to 72Mbps
		11n (40MHz): MCS0-7, up to 150Mbps
	Output Power	11b: 12.8dBm, 11g: 12.6dBm, 11n: 12.5dBm
	Receive Sensitivity	11b@11Mbps: -81±2dBm; 11g@54Mbps: -71±2dBm
		11n(20MHz)@MCS7: -68±2dBm; 11n(40MHz)@MCS7:
		-64±2dBm
	Security	WEP 64/128, WPA, WPA2 and IEEE 802.1x
	Antenna	Internal Antenna (1T1R)
	OS support	Windows XP/Vista/7; Linux Kernel 2.6.x; Mac OS X
		10.4~10.6
	Dimension	0.7" x 0.2" x 0.5" (18 x 6 x 14 mm)
	Temperature	Operating: 32~104°F (0~40°C); Storage: -4~140°F (-20~60°C)
	Humidity	Operating: 10~90% (Non-Condensing); Storage: Max. 95%

1.4 Product Specification

1.5 System Requirement

You must have at least the following

• A laptop computer/desktop PC with an available USB port

(Non-Condensing)

- At least a 300MHz processor and 32MB of memory
- Windows OS for Win98SE, ME, 2000, XP, Vista, 7 or Mac OS X 10.4~10.6
- A CD-ROM Drive
- USB controller properly installed and working in the computer
- A 802.11n \$\sigma 802.11g\$ or 802.11b Wireless Access Point/Router (for infrastructure Mode) or another 802.11n \$\sigma 802.11g\$ or 802.11b wireless adapter (for Ad-Hoc; Peer-to-Peer networking mode).

Chapter 2 Installation Guide

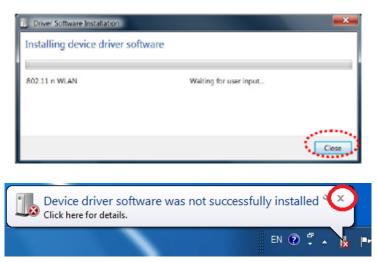
- 2.1 Hardware Installation
- Please first insert the PL-D001 into your PC or NB USB slot.



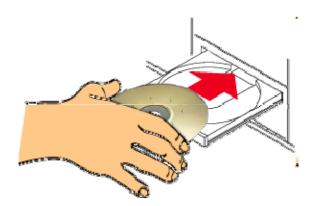
- If the following window popup, please click Cancel or Close:
 - Under Win XP

Found New Hardware W	izard
	Welcome to the Found New Hardware Wizard Windows will search for current and updated software by looking on your computer, on the hardware installation CD, or on the Windows Update Web site (with your permission). Read our privacy policy
	Can Windows connect to Windows Update to search for software? Ýes, this time only Ýes, now and givery time I connect a device No, not this time
	Click Next to continue.
	(pack get r Cancel

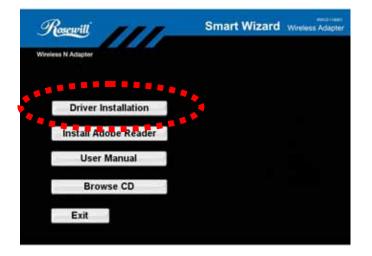
■ Under Windows Vista/Win7



2.2 Installation using Driver CD:



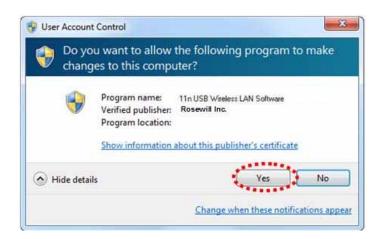
Please insert the CD into your CD-rom drive

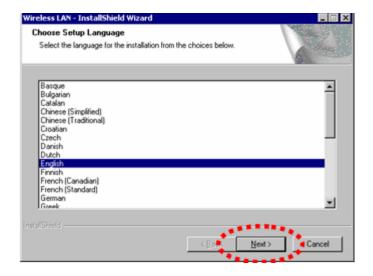


Click on the "**Driver Installation**" option when the Smart Wizard page popup.

Capacito	* Include at life any * . Manu with *.	Barry New Yolds			H. C. B. 0.
12 Ja	Name	Determent/and	tor .	Size	
	J. BR 32 CU Dever	JISAUNI BURPA	File failule:		
ale.	L DATA	215/2011 415 PM	File Ashier		
(i) r	. EAF	CONTRACT A 18 PM	The folder		
31	1 54	2/10/2012 4:10 812	Six haller		
100	A Rainana curran	1/10/2012 0:08 000	File Johnson		
HY	Setue .	12/03/2018 1/46 PEF	faplater.	201.18	
	availant .	DELONG LINEW.	BPSTex.	1.10	
al ru	a blanks	2070/INTELLER AM	Endpoint with	1110	
	b) Diargins	\$5.000 5.01 PM	Configuration lattice	55.458	
A Ca	(a) Setting	2/26/2011 145 PM	Configuration with.	1.68	
100	18 Setup	5-10-2009 1,27 (944	DLLfin	126 9 8	
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	C Indel	100001000000	Mindows Sature Frie	1.12	
	Condendaria I	1.10-2010 2.25 PM	Mindows Patrick Frin	198	
	in detail	1/11/20111-14/994	mi-AAR	3,847.63	
			Spinkak.	17.740.42	

If the program didn't run automatically, please double click on the **Setup.exe** in the CD to start the process.



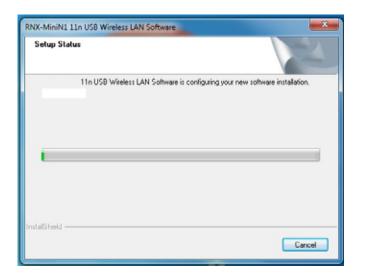


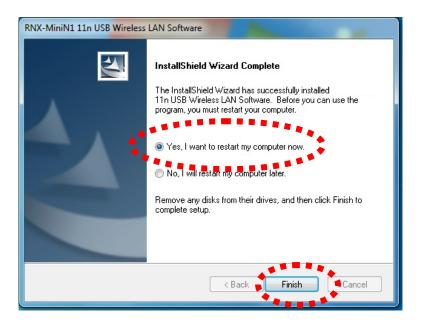
Click **Yes** if the following window popup

For WinXP, you may need to select your desired Language of installtion. For Win7, the program will uses your current language as default setting.



Select Next.





Select "Yes, I want to restart my computer now." Then click Finish.

Upon restart, your installation is now ready.

if you see below window popup, please select install this driver software anyway.







Chapter 3 Wireless Connection Guide

This chapter describes how to configure your Adapter for wireless connectivity on your Wireless Local Area Network (WLAN) and use the data security encryption features. After Installing the Adapter, the Adapter's tray icon will appear in your system tray. It appears at the bottom of the screen, and shows the signal strength using color and the received signal strength indication (RSSI).

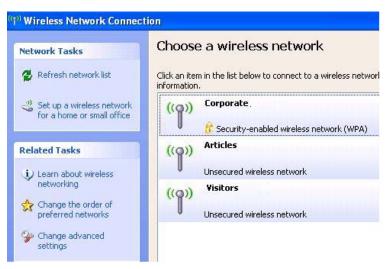
In the following instruction for making a network connection, we use the provided Utility to configure your wireless network settings.

Note: You could use either the software we provide or Microsoft Zero Configuration tool to configure this adapter.

- 3.1 Connecting with Microsoft Zero Configuration tool (Win XP)
- After specifying the Microsoft Zero Configuration tool to configure your wireless network, right click on the icon on system tray. Select "View Available Wireless Networks" to specify your wireless network.



• The tool shows the available wireless networks. Select your demanding network to connect with.



• If prompted, enter the password/network key for your wireless network and click the

Connect button.

	ess Acc' requires a network key (also called a WEP key or WP, prevent unknown intruders from connecting to this network.
Type the key, and then cl	
Vetwork key:	•••••
Confirm network key:	

Choose a wireless network

Click an item in the list below to connect to a wireless network in range or to get more information.

((0))	Corporate .	Connected 姈
U	😚 Security-enabled wireless network (WPA)	
((Q))	Articles	
Ų	Unsecured wireless network	
((Q))	Visitors	
U	Unsecured wireless network	

3.2 Connecting with Window 7

You can easily access to wireless with Win7. First, move your mouse to lower right hand corner as below and click on the icon where arrow pointing to.



Click **Refresh** to get an update of your Wireless Network Connection. This should help you search the SSID of the network you want to connect to.

Not connected Refresh	> 47
Wireless Network Connection 2	^
dlink	al.
dlink123	all
andy	at l
PoHOME523	all
Other Network	all
Open Network and Sharing Center	

Select your desired SSID, then Click "Connect".

Not connected	49
Connections are available	
Wireless Network Connection 2	^
dlink123	att
andy	all
Rosewill_Wireless_Signal	all
Connect automatically	nect
dlink	-41
Ruckus	all
Wireless_DF21E0	S all
Open Network and Sharing Cente	f

You will be prompt to ask you entering the network security key. Once entered, please click OK to complete.

Connect to a Netw	ork	X
Type the networ	k security key	
Security key:		
	Hide characters	
0	You can also connect by pushing the button on the router.	
	ОК	Cancel

You should see below in a very short period and find out whether you are connected or now.



3.3 Connecting with Rosewill Wireless Utility

We also provide this Utility for users to connect to a wireless network easily. It provides more information and configuration for this adapter. As default, the Utility is started automatically upon starting your computer and connects to a connectable wireless network with best signal strength and with no security setting.

afresh(R) Mode(M) Abou	#(A)					
MyComputer 1		A Refer Refere	24-Fi Protect Selue Early She	mg		
	SSID	nel Encryption		Signal Type	855ID	Mo
	Concernent, Wyelen Pfishki 23 Pfipenconessa Pfipenconessa	9 TRD/AES 11 ABS	WAA Pre-Shared Key WPA Pre-Shared Key	46% Infrastructure 26% Infrastructure	00:21:91:ED:F6:79	N,C G
	• 5			1		
	Refresh Note Double click on item to (ion/create profile.	Aód ta Profile			

1. First Select the **Available Network** option:

2. You will see a list of the SSID that your wireless adapter has scanned in your surrounding area. You can also "**Refresh**" to see the most updated list. Select your desired SSID (the one you want to link with).

3. Click Add to Profile.

Profile Name:	802.11bgn-SSID	802.1x configure	
letwork Name(SSID):	802.11bgn-SSID	EAP TYPE :	
		GTC	×
		Tunnel : Privision Mod	te :
This is a computer-to access points are no	b-computer(ad hoc) network; wireless t used.		×
Channel:	11 (2462MHz)	Username :	
Wireless network secu	rity		
This network requires	a key for the following:	Identity :	
Netw	rork Authentication: WPA2-PSK		
	Data encryption: AES	Domain :	
	SPHRASE	Password :	
Key index (advanced)	1 V	Certificate :	
Network key:			×
		PAC : Auto Select PAC	
Confirm network key:			×
		4	

After click "**Add to Profile**", you will see the next window "**Wireless Network Properties**" popup with your current wireless signal setting. (RNX-MiniN1 will detect automatically the current encryption setting of your SSID).

So after the "Wireless Network Properties" popup, all you need to do is to enter the password of your SSID and click **OK** to continue.

When done, your wireless adapter will automatically connect to this SSID. However, Please do make sure returning to "**Profile**" and set your SSID Profile as your default.

So your utility will remember for the future to link to this SSID when computer is Power-On.

Profile Name SSID	Add
Rosewill-1 Rosewill-1	
802.11bgn-SSID 802.11bgn-SSID	Remove
2	Edit
	Duplicate
	Set Default
	3

Now you have completed the setup of your wireless network. You should be ready to surf!

Chapter 4 Rosewill Utility Configuration – Station Mode

The Wireless Adapter provides two modes: **Station mode** and **Access Point mode**, the default is **Station mode** under Window XP and Windows 7.

You can select connect wirelessly to your Wireless router/AP to connect to Internet in station mode. But in the **Access Point mode**, the wireless adapter act as a wireless access point which can share Internet connection with others. (Access Point Mode requires Wired Connection)



4.1 General

The General tab displays current basic wireless connection information.

RNX-MiniN1 11n USB Wire	eless LAN Utility	
Refresh(R) Mode(M) Abo	</th <th></th>	
MyComputer Wire	General Portie Available Network Status Statustics Wi-Fi Protect Setup Easy Sharing Status: Associated Speed: Tx::150 Mbps Rc::150 Mbps Type: Infrastructure Encryption: AES SSID: Rosewill_Wireless_Signal Signal Strength: MAC Address: MAC Address: MAC Address: Generationate IP Address: 192.168.1.101 Subnet Mask: 255.255.0 Gateway: 192.168.1.1 ReNew IP ReNew IP	
Show Tray Icon	 Disable Adapter Virtual WFi allowed 	Close

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. (This is assigned by the wireless router)
- Subnet Mask: The Subnet Mask of the Adapter.
- **Default Gateway**: The Default Gateway address of the Adapter. (This is normally the IP address of your wireless router)

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.

4.2 Profile

Using the Profile tab, you can Add, Remove, Edit, Duplicate, and Set Default a profile.

RNX-MiniN1 11n US8 Wir	eless LAN Utility		
Refresh(R) Mode(M) Abo	sut(A)		
B- WyComputer Wire	General Profile Available Network St Available Profile(s)	atus Statistics Wi-Ri Protect Setup Easy Sharing	
	Profile Name	SSID	Add
	Rosewil_Wireless_Signal	Rosewill_Wireless_Signal	
			Remove
•			Edit
			Dupicate
			Set Default
	•		
* <u> </u>			
Show Tray Icon	Disable Ad Virtual Wil		Close

4.2.1 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.

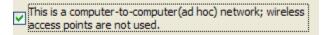
Reheah(R) ModelM) 46	out(A)	10 10 10 10 10 10 10 10 10 10 10 10 10 1	
B MyComputer	General Profile Ava Available Profile(s)	lable Network Statute Statistice Wi A Protect Setup Early Staring	
	Profile Name	5500	Add
		Wireless Network Properties:	
		The is a computer-to-computer (ad hoc) network; weekers .	Remove
		Profile Name: Rosenil, Mindess, Signal	. Edt
		Network Name (SSD) - Rostend , Xindett , Sprol Channel: 3 (242244) -	Dupkate
		Writes retwork security	
		This retriork requires a key for the following:	Set Default
		Network Authentication: WPA2 PSK •	
		Data entrypton: Ats	
	-	Key pilor (educate) Network keys	
	1 A 4	Carifyin retriark keys	
		OK Center	
Looman .			
Show Tray Icon	100	Disable Adapter	Close

When the Network Info dialog box appears, enter a name for the new profile. Enter the Network SSID.

The Network Authentication and Data Encryption can be auto-deteced. So you only need to key-in 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, check on below option:



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

Profile Name: 802.13bgn-553D	
etwork Name(SSID): 802.11bgn-658D	
This is a computer-to-computer(ad hoc) network; wireless access points are not used.	802. Ix configure EAP TYPE :
Channel: 1 (2412MHz) M	GTC
Wreless network security	Tunnel :
This network requires a key for the following:	×
Network Authentication: WPA-None Data encryption: WPA-None	Username :
ASCII PASSPHRASE	Identity :
Gey Index (advanced): 1 👻	Password :
Network key:	Certificate :
Confirm network key:	

The Network Authentication and Data Encryption can be auto-deteced. So you only need to key-in the Network Key. Then click OK button.

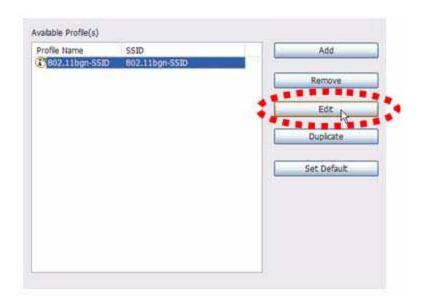
4.2.2 Remove

Select a profile and click **Remove** button to delete this profile.

ofile Name (902.11bgn-SSI	SSID 802.11bgn-5530	Add
Contracting official		Remove
		Edit
		Dupicate
		Set Default

4.2.3 Edit

Select a profile and click **Edit** button to edit this profile.



Modify the profile information according to your demand.

4.2.4 Duplicate

Select a profile which you want to copy and then click **Duplicate**

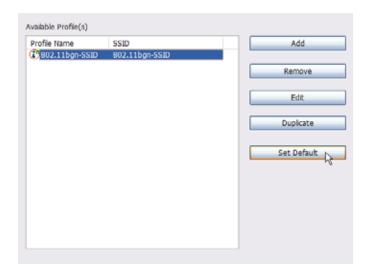
rofile Name	SSID	Add
802.11bgn-SSI	902.11bgn-SSID	Remove
		Edt
		Dupicate D
		Set Default

Import the new profile name in the popup window blank

Profile Name	
	ОК
	Cancel

4.2.5 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.



4.3 Available Network

The Available Network tab displays a list of networks for available wireless connection

RNX-MiniN1 11n US	B Wireless LAN Utility
Refresh(R) Mode(M)	About(A)
B- S MyComputer	About(A) General Profile Available Network Status Statusics Wi-Fi Protect Setup Easy Sharing V Available Network(s) SSID Channel Encryption Network Authentication Signal Type BSSID I ³ Rosewill_Wireless_Signal 1 TKIP/AES WPA Pre-Shared Key/ 96% Infrastructure D8:5D:4C:L I ³ Mosewill_Wireless_Signal 1 TKIP/AES WPA Pre-Shared Key/ 96% Infrastructure 00:05:Ard I ³ andy 5 TKIP WPA Pre-Shared Key/ 48% Infrastructure 00:18:E7:E I ³ dink123 9 TKIP/AES WPA Pre-Shared Key/ 60% Infrastructure 00:21:91:E
<	Refresh Add to Profile Note Double click on item to join/create profile.
Show Tray Icon	Disable Adapter Disable Adapter Virtual WiFi allowed

Select the network to which you wish to connect. Then click "Add to Profile"

Referent(R) Mode(M) Also ⇒ ¥ MyComputer 	and the second s	alabie Network Status Statutics Wi-H Protect Setus Eavy Sharing	
	Profile Name	SSID	Add
		Wineless Network Properties	
		The site is a sample in complete (of loc) intervets weather in a sample part are that and	Remove
		Profile Name: Rosevill_Wireless_Signal	Edit
		Network Name(SSID): Romoid_Norma_Started	Dupicate
		Overeli (1 ((KDH-s) +	Copicate
		Wroless network security This reduces requires a key for the following:	Set Default
		Network Authentication: WPA245K	
		Cala encryption: Acc •	
		CARE CRARHARE	
	940.	Key ndex (udvanced): 1 -	
	12.1	-	
		Confirm network keys	
		OK Carol	
-			
Show Tray Icon		T Deable Adapter	Cote

The Network Authentication and Data Encryption can be auto-deteced. So you only need to key-in the Network Key. Then click **OK** button.

4.4 Status

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

NOCK-MININE TEN USE WIN		
Refresh(E) Mode(M) Abo		
B- MyComputer	General Profile Available Network Status Statistics Wi-R Protect Setup Easy Sharing	
	Manufacturer Rosewill Inc	
	NDIS Driver Version 1012.1.131.2011	
	Short Radio Header Yes	
	Encryption AES	
	Authenticate WPA2-PSK	
	Channel Set ETSI	
	MAC Address 00:E0:4C:01:19:96	
	Data Rate (AUTO) Tx:150 Mbps Ro:150 Mbps	
	Channel (Frequency) 3 (2422 MHz)	
	Status Associated	
	SSID Rosewil_Wreless_Signal	
	Network Type Infrastructure	
	Power Save Mode None	
	Associated AP MAC D8:50:4C:DF:21:E0	
	Up Time (hh:mm:ss) 0:22:26	
< >		
Show Tray Icon	Disable Adapter	C deux
Radio Off	Virtual WFi allowed	Close
E neve and		

4.5 Statistics

The Statistics tab display the stat. value of current wireless connection Tx and Rx, you can

efresh® ModeM About	A		
MyComputer	General Profile Available Network Status Statistics W	Fi Protect Setup Early Sharing	
	Counter Name	Value	
	Tx OK	468	
	Tx Error	0	
	Rx OK	418	
	Rx Packet Count	418	
	Rx Retry Rx ICV Error	132	
	Rx ICV Error	0	
	Reset		
Show Tray Icon	Disable Adapter		Cose

click Reset button to reset value and restart to count.

4.6 Wi-Fi Protect Setup

RNX-MiniN1 11n US8 Wire	iless LAN Utility	
Refresh(B) Mode(M) Abov	et(A)	
B- WyComputer Wire	General Profile Available Network Status Statistics Wi-Fi Protect Setup Easy Sharing WI-Fi Protected Setup (WPS)	
	An easy and secure setup solution for Wi-Fi network	
	Role Selection	
	As WPS Device	
	O As WPS AP	
	Cancel WPS connection	
	Active Ethernet:	
	Pin Input Config (PIN) After pushing the PIN	
	button.Please enter the PBN code	
	PIN Code : 48326230	
	Pin Input Config (PIN)	
	Push Button	
	After pushing the PBC button.Please push the physical button on your AP or visual button on the VMPS config name.	
	Push Button Config (PBC)	
×		
Show Tray Icon	Disable Adapter	Close

4.6.1 Method 1 PIN Input Config (PIN)

1. Input the Wireless Adapter's PIN Code into your wireless router and click Start PIN in

the Wireless-Router WPS configuration page

2. Click **Pin Input Config(PIN)** in your computer.



3. Select one WPS AP which you want connect to and click Select button

1	Wi-Fi Protected Setu	up - Select AP		×
	WP3 AP Name		S AP MAC	1
•	802.11bgn-SSID	00:E0	:4C:81:96:B1	Ť
		Defrach		
•	Select.	Refresh	Cancel	1
••	Select		Gancel	J

4. Please wait when the PIN Method Window pop-up appear, the secure connection between AP and wireless adapter will be founded automatically.

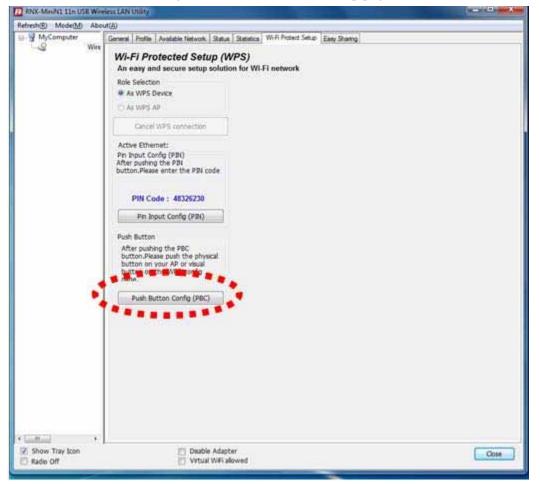


4.6.2 Method 2 Push Button

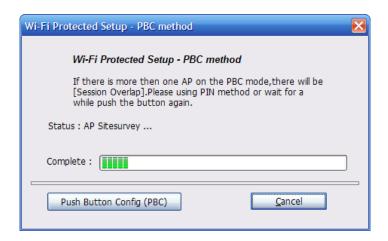
1. First, press the **WPS** buttom on your Wireless Router.



2. Click **Push Button Config(PBC)** on Wi-Fi Protect Setup page



3. Please wait when the PBC method window pop-up appear, the secure connection between wireless router and Wireless Adapter will be founded automatically.



Remark

If there is more than one AP on the PBC mode, there will be session overlap. Please using method 1 PIN Input Config(PIN) or wait for a while push the button again.

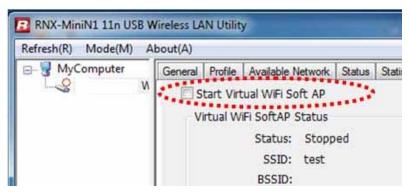
4.7 Virtual Wifi Allowed – (Windows 7 only)

RNX-MiniN1 uses the Virtual Wifi technology and turns into a Wireless sharing points. Selecting this function, RNX-MiniN1 will release wireless signal for wireless clients around it to connect.

- 4.7.1 Enabling the Virtual WiFi
- 1. First click on the option at the bottom of the utility "**Virtual WiFi allowed**" to enable this function.

RNX-MiniN1 11n USB W	reless LAN Utility	- • ×
Refresh(R) Mode(M) At	out(A)	
MyComputer	General Profie Available Network Status Statistics Wi-Fi Protect Setup Easy Shart Start Virtual WFi Soft AP Virtual WFi SoftAP Status Status: Stopped SSID: test BSSID: Association Table AID MAC Address Life Time	Vitual WiF
<	Config	
Show Tray Icon Radio Off	Disable Adapter	Close

2. Check "Start Virtual WiFi Soft AP" to enable the broadcast of the signal.



3. After checking this option, you will see an process window popup indicating the enabling process is starting

RNX-MiniN1 11n US8 W	Vireless LAN Utility
Refresh(R) Mode(M) A	bout(A)
	General Profile Available Network Status Statistics Wi-Ri Protect Setup Easy Sharing Vitual WiFi Image: Start Virtual WiFi Soft AP Image: Status Image: Status </th
	AID MAC Address Life Time Setting Internet Connection Sharing (ICS) Waiting Setup
×	Config
Show Tray Icon Radio Off	Disable Adapter Virtual WFi allowed Close

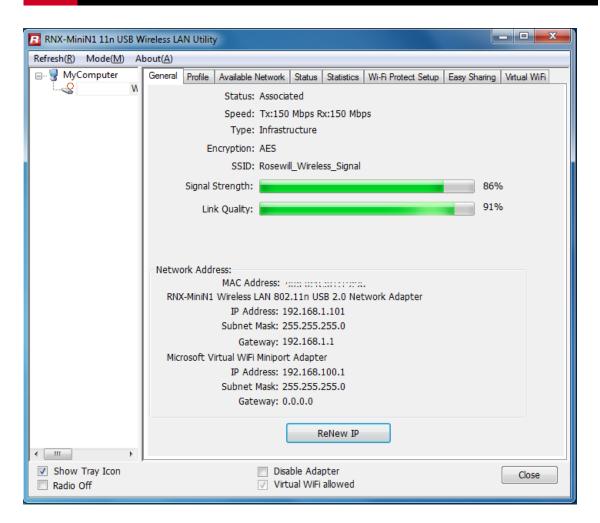
4. When complete, click on "**Config**" to set your desired SSID and password. Click "OK" when complete.

resh(g) Mode(M) 4	Participant in the second s
MyComputer	General Profile Available Network Status Statistics WI-Fi Protect Setup Easy Shanng Wituel WIR
	Start Virtual WFI Soft AP
	Wireless Network Properties:
	Profile Name: HOSTED_NETWORK_PROFILE
	Network Name(SSD): (7est
	Wreless network security
	This network requires a key for the following:
	Network Authentication: WPA2 PSK =
	Data encryption:
	Network keys
	Confirm network key:
	Confirm network key:
	OK. Cancel

5. Click the "Setting Internet Connection Sharing (ICS)" to enable the WiFi sharing.

RNX-MiniN1 11n US Refresh(R) Mode(M)	Wireless LAN About(A)	Utility				6	_ 0 <u>_ x</u>
B- S MyComputer	General P	rofile Available Netw	ork Status	Statistics	Wi-Fi Protect Set	p Easy Sharing	Wrbuel WiRi
	V Virta	tofie Available Netw tt Virtual WFI Soft A ual WFI SoftAP Stat Status: St SSID: te BSSID: 00 Association Table ID MAC Address	IP us arted st :E0:4C:01:1	9:96 Life ` Config		p Easy Sharing	Vitual WIR
Show Tray Icon Radio Off			Disable Ada				Ciose

6. When complete, you will see below status appear in the "General" shows that your wireless adapter is currently also broadcasting signal for others to connect to.



Remark

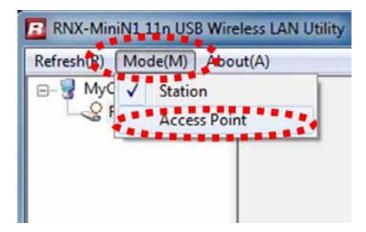
Wireless adapter are broadcasting and receiving the signal at the same time, therefore, the signal and the speed of the other Wireless Clients will be less that what RNX-MiniN1 connects.

Chapter 5 Configuration – Access Point Mode

We can also use the wireless USB adapter as a Wireless signal provider. The other wireless clients can connect to RNX-MiniN1 if the wireless USB adapter is set to **Access Point** mode. Click Mode in the menu bar and select **Access Point**, then it will change to Access Point mode automatically

Remark

This works when your computer is currently connecting to the internet either via cable connection (RJ45) or via another wireless adapter.



5.1 General

General displays the basic information of this AP

efresh(R) Mode(M) About(A		
	Advanced Statistics ICS	
	SSID: test123	
	BSSID: UNDERDECTORESION	
	Association Table	
	AID MAC Address Life Tim 1 Volgeroorversetty 20:0	
	Config	
_m >		
Show Tray Icon Radio Off	Disable Adapter	Close

• SSID:

The SSID of this AP (the SSID that your RNX-MiniN1 broadcasting)

• 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

Aefresh(R) Mode(M)	General Advanced Statistics ICS	10
and the second s		1
	Wireless Network Properties: This is a canoufer to computer (ad hoc) network; wireless access points are not used. Profile Name: Access Point Mode Network Name(SSID): Test123 Channel: 1.(2+1294s). • Wireless network security This network security This network requires a kign for line following: Wetwork Authentication: (VIPA2-PSK) Data encryption: Ags ASCII PASSPHRASE Kovenices (advanced): 1 • Network key: Confirm network key: Confirm network key: Cancel	
Show Tray Icon	Disable Adapter	

• 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

5.2 Advanced

RNX-MiniN1 11n USB W	Vireless LAN Utility	- 0 ×
	bout(A)	
MyComputer	General Beacon Interval 100 DTIM Period: 3 Preamble Mode Short Set Defaults Apply	
< <u> </u>		
Show Tray Icon Radio Off	Disable Adapter	Close

• 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

5.3 Statistics

efresh(R) Mode(M) About(
MyComputer Gen	anal Advanced Statistics ICS		
	Counter Name	Value	
	Tx OK	4333	
	Tx Error	0	
	Rx OK	1492	
	Rx Packet Count	1492	
	Rx Retry	269	
	Rx ICV Error	0	
	Reset		
Show Tray Icon	Disable Adapter		Close

It display receive and transmit information

5.4 ICS

- 💡 MyComputer	General Advanced Statistics ICS
-8 W	Setting Internet Connection Sharing (ICS)
	ConnName Device Name
	Local Area Connection Realtek PCIe GBE Family Controller Wreless Network Co 150Mbps Wireless Lite N Adapter
	К
	Public Network
	Wireless Network Connection 150Mbps Wireless Lite N Adapter

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

RNX-MiniN1 11n US8 W	Vireless LAN Utility	- 0 - X
Refresh(B) Mode(M) A	bout(<u>A</u>)	
B- S MyComputer	General Advanced Statistics ICS	
\$ M	Setting Internet Connection Sharing (ICS)	
	ConnName Device Name	
	Local Area Connection Realtek PCIe GBE Family Controller	
	Mireless Network Co TP-LINK 150Mbps Wireless Lite N Adapter	
	Setting Internet Connection Sharing (ICS)	,
	Please walt	
	Adapte	r
	AppN	
	- Abbut	
Show Tray Icon	Disable Adapter	. Chara
Radio Off		Close

When you connect successfully, you can share network with others

FAQ

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 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 through Control Panel's "Add or Remove Programs".

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

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.

4. I can't find any wireless access point / wireless device in 'Site Survey' function.

- Click 'Rescan' for few more times and see if you can find any wireless access point or wireless device.
- 2. Please move closer to any known wireless access point.
- 'Ad hoc' function must be enabled for the wireless device you wish to establish a direct wireless link.
- 4. Please adjust the position of network card (you may have to move your computer if you're using a notebook computer) and click 'Rescan' button for few more times. If you can find the wireless access point or wireless device you want to connect by doing this, try to move closer to the place where the wireless access point or wireless

device is located.

5. Nothing happens when I click 'Open Config Utility'

- Please make sure the wireless network card is inserted into your computer's USB port.
- 2. Reboot the computer and try again.
- 3. Remove the card and insert it into another USB port.
- 4. Remove the driver and re-install.
- 5. Contact the dealer of purchase for help.

6. I can not establish connection with a certain wireless access point

- 1. Click 'Add to Profile' for few more times.
- 2. If the SSID of access point you wish to connect is hidden (nothing displayed in
- 'SSID' field in 'Site Survey' function), you have to input correct SSID of the access point you wish to connect. Please contact the owner of access point to ask for correct SSID.
- You have to input correct passphrase / security key to connect an access point with encryption. Please contact the owner of access point to ask for correct passphrase / security key.
- 5. The access point you wish to connect only allows network cards with specific MAC address to establish connection. Please go to 'Status' menu and write the value of 'MAC Address' down, then present this value to the owner of access point so he / she can add the MAC address of your network card to his / her access point's list.

7. The network is slow / having problem when transferring large files

- 1. Move closer to the place where access point is located.
- 2. There could be too much people using the same radio channel. Ask the owner of the access point to change the channel number.

Thank you for purchasing a quality Rosewill Product.

Please register your product at : www.rosewill.com for complete warranty information and future support for your product.