ALL0234Nano

USB Wireless N 150Mbit Adapter

User´s Manual

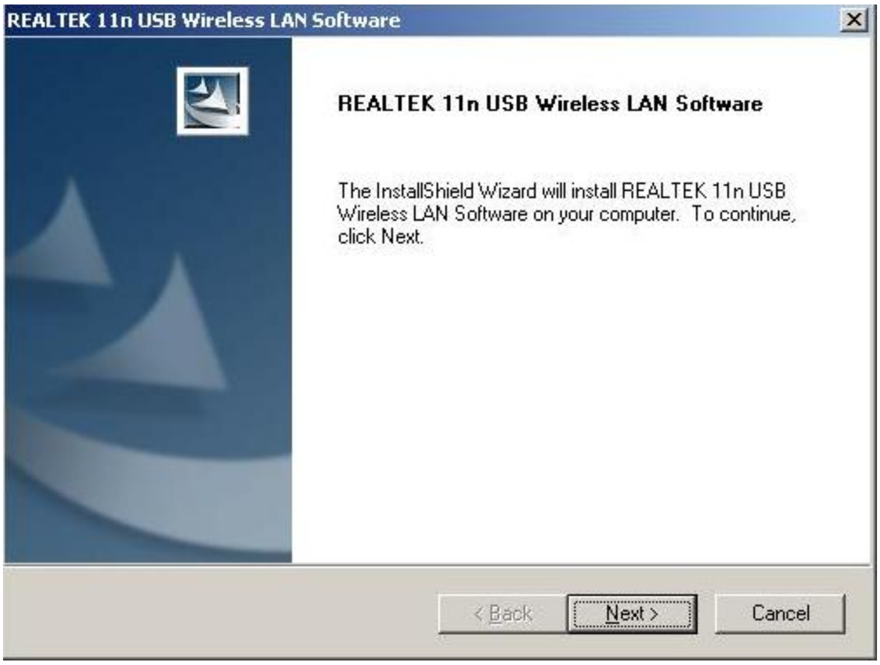
Network Card Installation

Please follow the following steps to install your new wireless network card:

1. Insert the ALL0234Nano into an empty USB2.0 port of your computer when computer has power on. Never use force to insert the stick, if you feel it's stuck, flip the stick over and try again.
2. Insert device driver CD into the CDROM drive of your computer, double click the 'Setup.exe' icon and run the 'Setup.exe' program.

Setup.exe

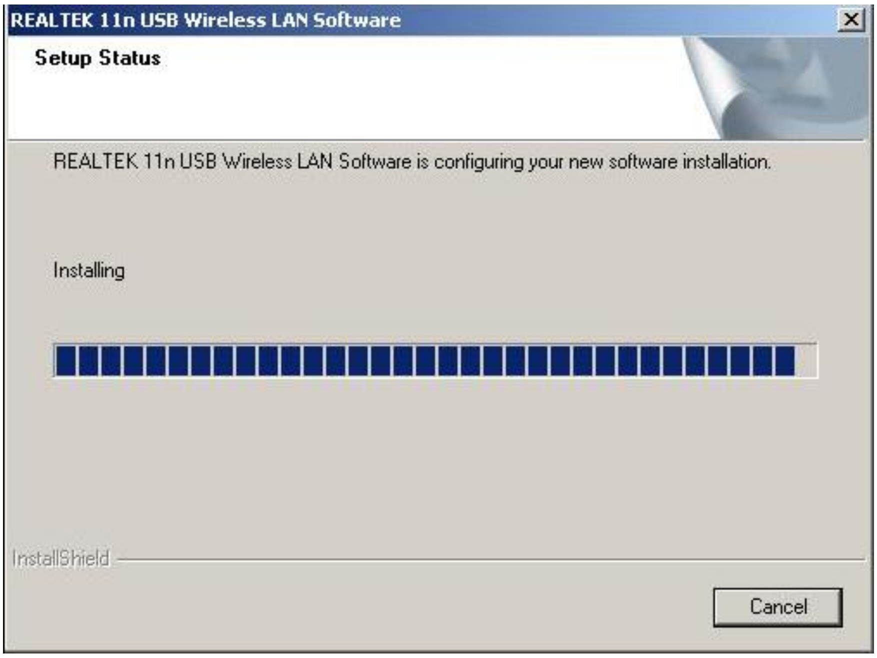
3. Then pop up the installshield Wizard.


REALTEK 11n USB Wireless LAN Software

REALTEK 11n USB Wireless LAN Software

The InstallShield Wizard will install REALTEK 11n USB Wireless LAN Software on your computer. To continue, click Next.

4. Click 'Next'.

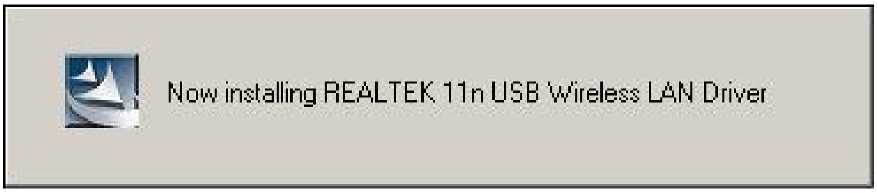


REALTEK 11n USB Wireless LAN Software

Setup Status

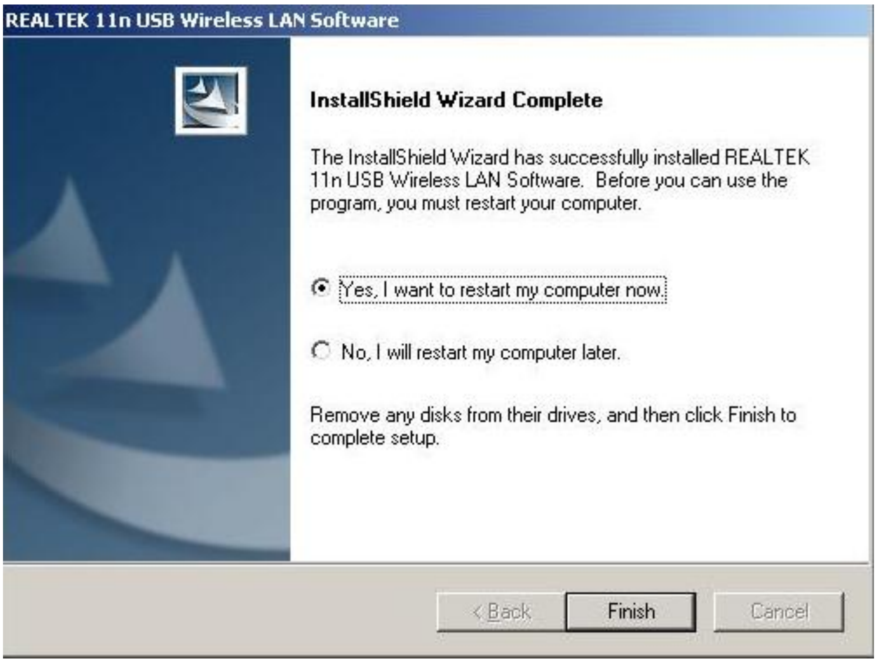
REALTEK 11n USB Wireless LAN Software is configuring your new software installation.

Installing



Now installing REALTEK 11n USB Wireless LAN Driver

5. Please wait while the installation procedure is running. Finally, click ‘Finish’ and restart your computer to finish the driver installation.



REALTEK 11n USB Wireless LAN Software

InstallShield Wizard Complete

The InstallShield Wizard has successfully installed REALTEK 11n USB Wireless LAN Software. Before you can use the program, you must restart your computer.

● Yes, I want to restart my computer now.

○ No, I will restart my computer later.

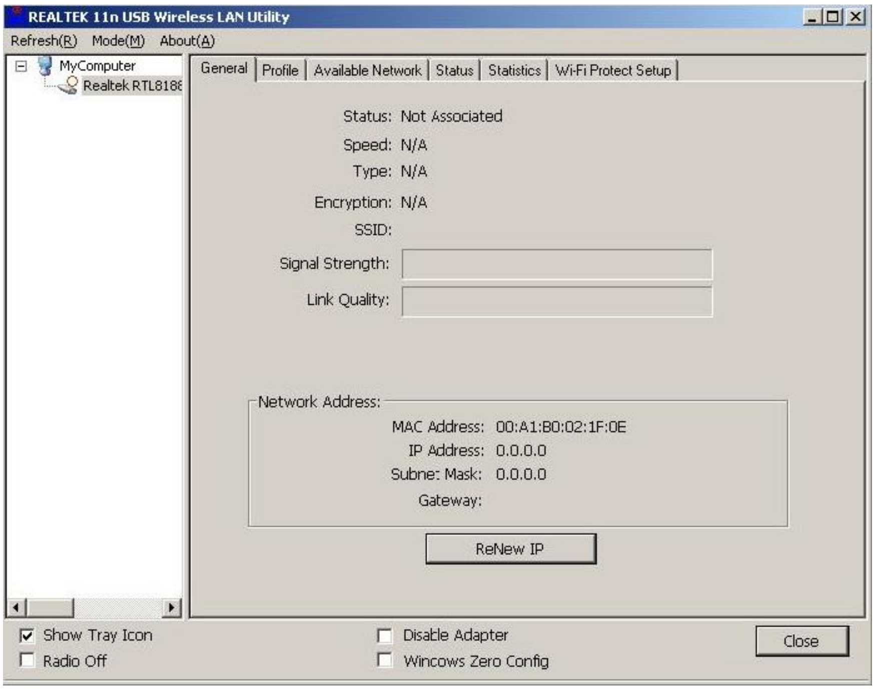
Remove any disks from their drives, and then click Finish to complete setup.

Connect to Wireless Access Point

1. After installation has finished, wireless configuration utility will be shown on the desktop of your computer, and it will try to connect to any unencrypted wireless access point automatically. If you want to connect to a specific wireless access point, or the access point you wish to connect uses encryption, you have to configure the wireless network card and input the correct password to get connected to the wireless access point. Double click the icon on your desktop.

REALTEK 11n
USB Wireless
LAN Utility

2. Scan available wireless access point. Scan results will display in the ‘Available Network’ zone. If you can’t find the access point you wish to connect here, click the ‘Refresh’ button, until you can find your wireless access point..

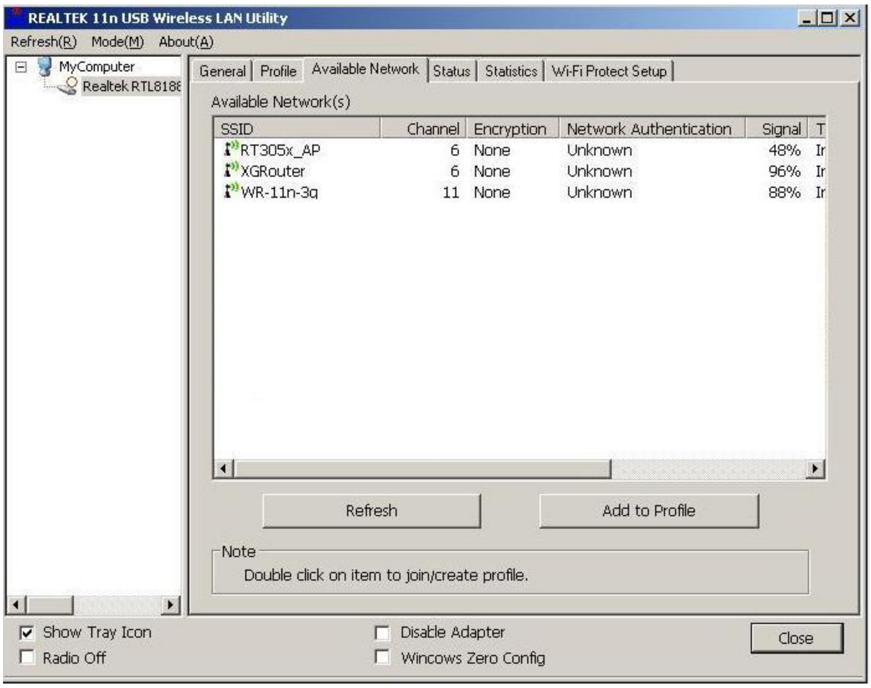

REALTEK 11n USB Wireless LAN Utility
Refresh(R)
Mode(M)
About(A)
MyComputer
Realtek RTL818
General
Profile
Available Network
Status
Statistics
Wi-Fi Protect Setup
ReNew IP
Close

Status: Not Associated
Speed: N/A
Type: N/A
Encryption: N/A
SSID:
Signal Strength:
Link Quality:

Network Address:
MAC Address: 00:A1:B0:02:1F:0E
IP Address: 0.0.0.0
Subnet Mask: 0.0.0.0
Gateway:

☑ Show Tray Icon
☐ Radio Off
☐ Disable Adapter
☐ Windows Zero Config

3. Choose the wireless access point’s SSID, and click ‘Add to Profile’.

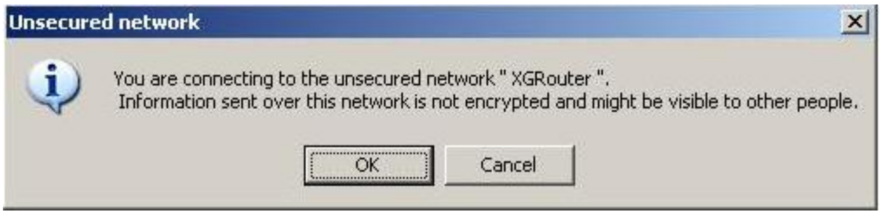

REALTEK 11n USB Wireless LAN Utility
Refresh(R) Mode(M) About(A)
MyComputer
Realtek RTL818
General
Profile
Available Network
Status
Statistics
Wi-Fi Protect Setup
Available Network(s)
Refresh
Add to Profile
Note
Close

SSID	Channel	Encryption	Network Authentication	Signal	T
RT305x_AP	6	None	Unknown	48%	Ir
XGRouter	6	None	Unknown	96%	Ir
WR-11n-3g	11	None	Unknown	88%	Ir

Double click on item to join/create profile.

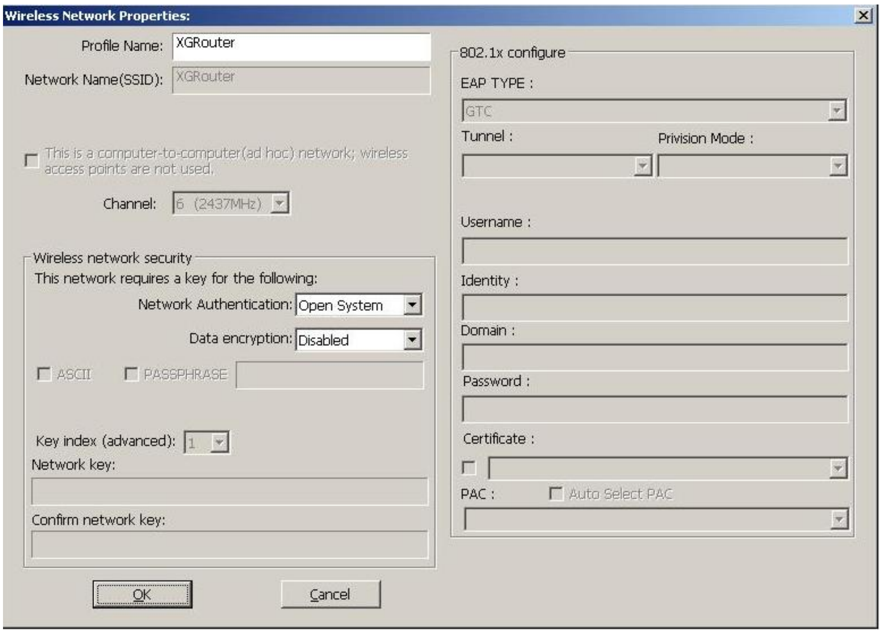
☑ Show Tray Icon
☐ Radio Off
☐ Disable Adapter
☐ Wincows Zero Config

4. If it's an open wireless network system, you will be warned by this pop up dialogue .


Unsecured network
OK
Cancel

You are connecting to the unsecured network " XGRouter ".
Information sent over this network is not encrypted and might be visible to other people.

5. Click 'OK', and fill your information in the 'Wireless network properties', or just click 'OK'. If the wireless access point has enabled encryption, you will have to input the WEP key or WPA preshared key in the form.



Wireless Network Properties:
802.1x configure
Tunnel :
Privision Mode :
Username :
Identity :
Domain :
Password :
Certificate :
PAC :
☐ Auto Select PAC
Wireless network security
☐ ASCII
☐ PASSPHRASE
Network key:
Confirm network key:
OK
Cancel

Profile Name: XGRouter

Network Name(SSID): XGRouter

☐ This is a computer-to-computer(ad hoc) network; wireless access points are not used.

Channel: 6 (2437MHz)

This network requires a key for the following:

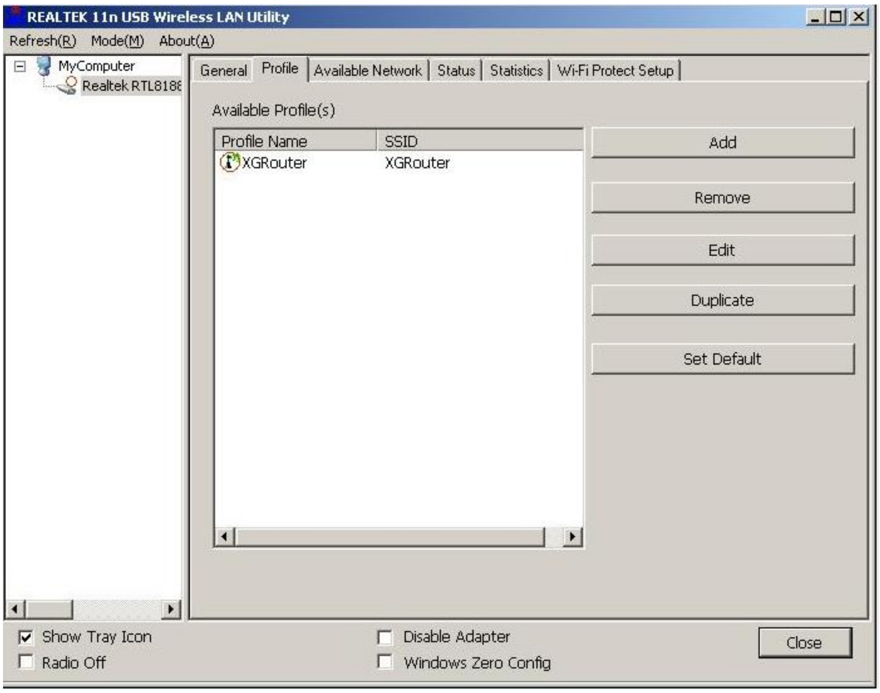
Network Authentication: Open System

Data encryption: Disabled

Key index (advanced): 1

EAP TYPE : GTC

6. Then, you can find your wireless access point in the ‘Profile’, it will automatically connect to the access point every time you use your usb network card.



REALTEK 11n USB Wireless LAN Utility
Refresh(R) Mode(M) About(A)
MyComputer
Realtek RTL818
General
Profile
Available Network
Status
Statistics
Wi-Fi Protect Setup
Add
Remove
Edit
Duplicate
Set Default
Close

Available Profile(s)

Profile Name	SSID
XGRouter	XGRouter

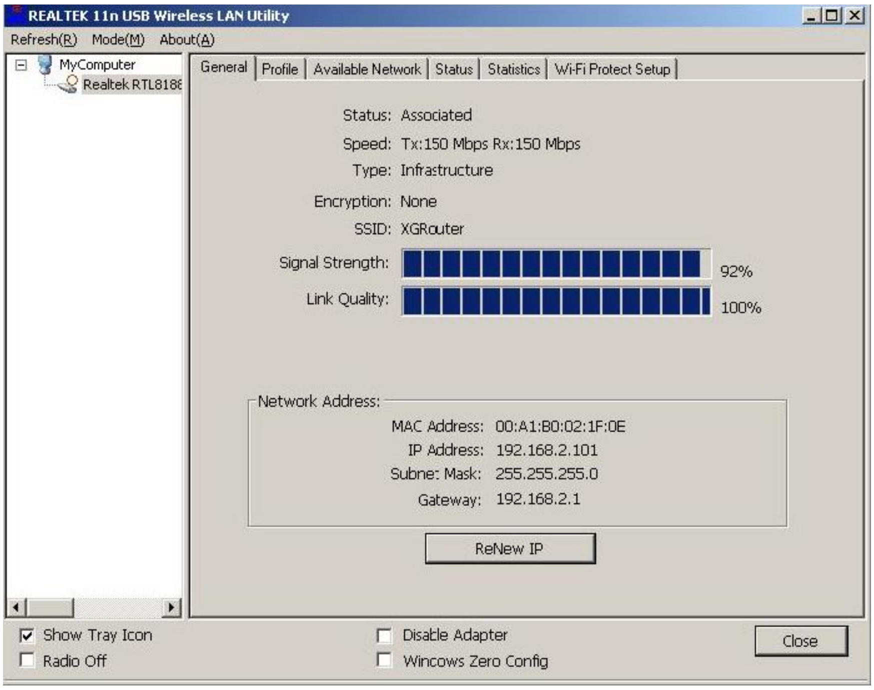
☑ Show Tray Icon

☐ Radio Off

☐ Disable Adapter

☐ Windows Zero Config

7. After you have connected to the wireless access point successfully, click the ‘General’ menu, you can get the detail information of connected access point, such as status、IP address、speed and so on.

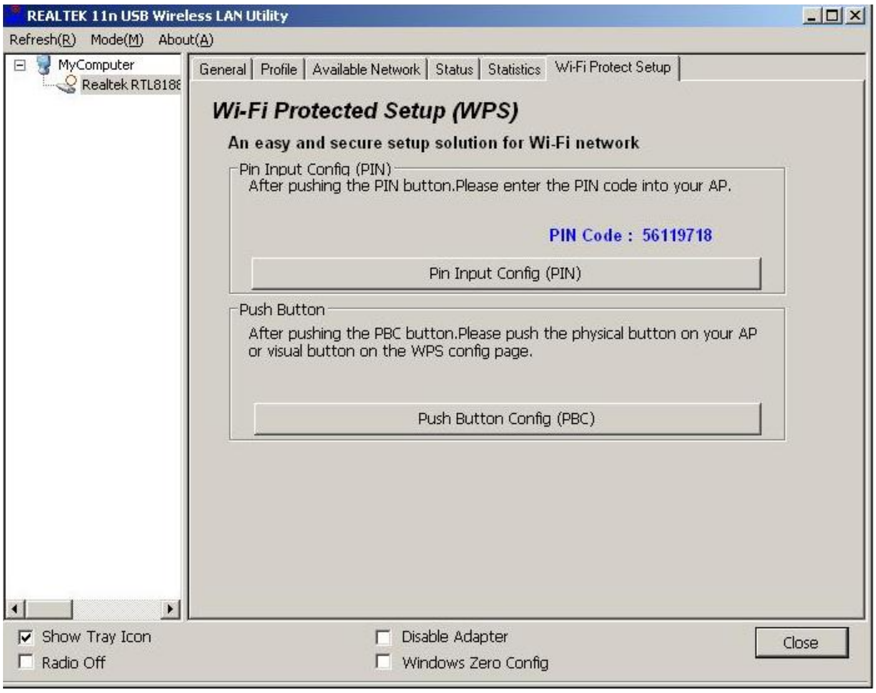

REALTEK 11n USB Wireless LAN Utility
Refresh(R)
Mode(M)
About(A)
MyComputer
Realtek RTL8188
General
Profile
Available Network
Status
Statistics
Wi-Fi Protect Setup
ReNew IP
Close

Status: Associated
Speed: Tx:150 Mbps Rx:150 Mbps
Type: Infrastructure
Encryption: None
SSID: XGRouter
Signal Strength: 92%
Link Quality: 100%

Network Address:
MAC Address: 00:A1:B0:02:1F:0E
IP Address: 192.168.2.101
Subnet Mask: 255.255.255.0
Gateway: 192.168.2.1

☑ Show Tray Icon
☐ Radio Off
☐ Disable Adapter
☐ Windows Zero Config

8. Click the ‘Wi-Fi Protect Setup’ menu, by a simple setting allows you to secure connection to your wireless AP.


REALTEK 11n USB Wireless LAN Utility
Refresh(R)
Mode(M)
About(A)
MyComputer
Realtek RTL8188
General
Profile
Available Network
Status
Statistics
Wi-Fi Protect Setup
Pin Input Config (PIN)
Push Button Config (PBC)
Close

Wi-Fi Protected Setup (WPS)

An easy and secure setup solution for Wi-Fi network

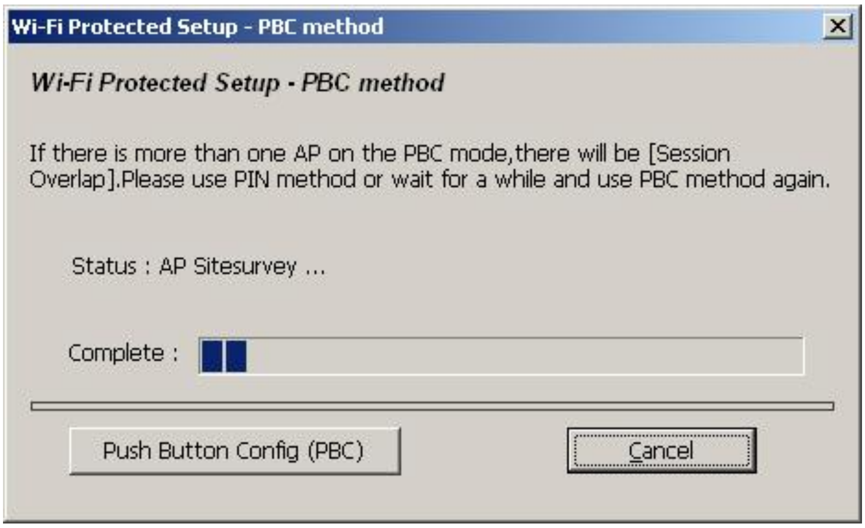
Pin Input Config (PIN)
After pushing the PIN button.Please enter the PIN code into your AP.

PIN Code : 56119718

Push Button
After pushing the PBC button.Please push the physical button on your AP or visual button on the WPS config page.

☑ Show Tray Icon
☐ Radio Off
☐ Disable Adapter
☐ Windows Zero Config

9. This wireless network card with a WPS button, you can easily connect to a wireless router and achieve encryption; press this button, the computer screen appears around the vicinity of the AP signal search interface.



Wi-Fi Protected Setup - PBC method

Wi-Fi Protected Setup - PBC method

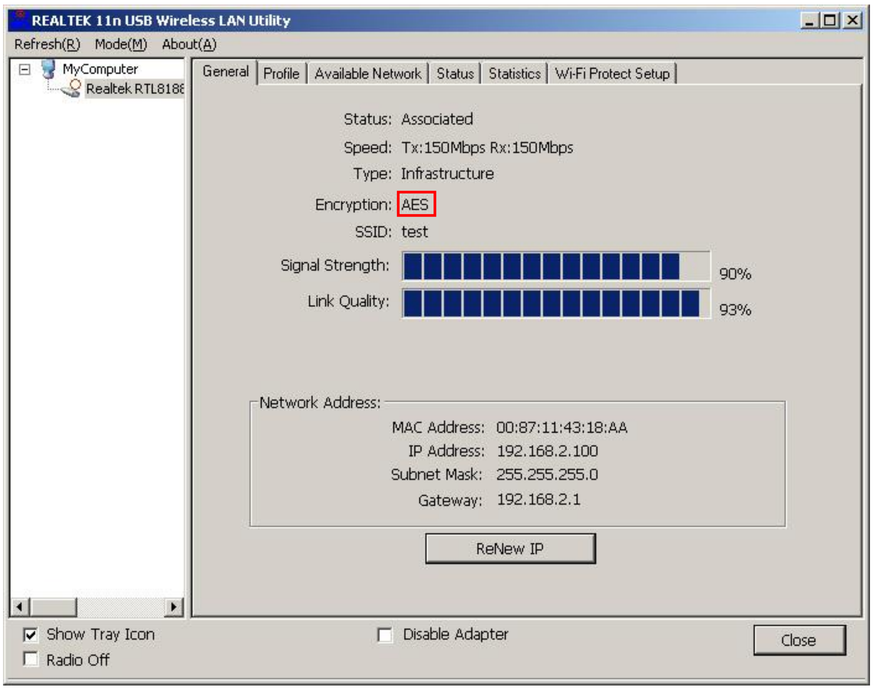
If there is more than one AP on the PBC mode,there will be [Session Overlap].Please use PIN method or wait for a while and use PBC method again.

Status : AP Sitesurvey ...

Complete :

Push Button Config (PBC)
Cancel

10． At this point just press the WPS button wireless router; wait a while to realize the connection and encryption.



REALTEK 11n USB Wireless LAN Utility

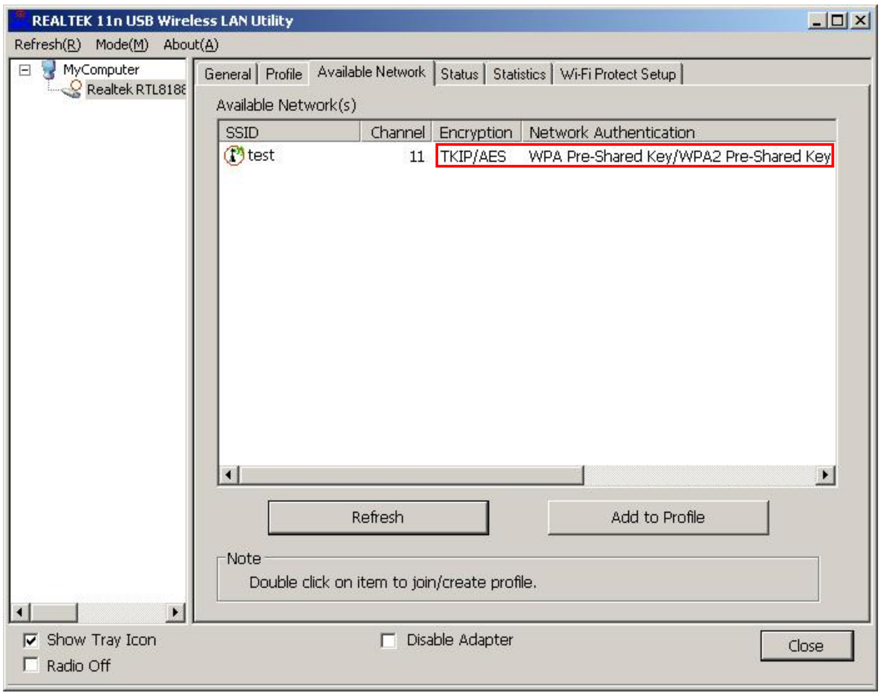
Refresh(R) Mode(M) About(A)
MyComputer
Realtek RTL818
General
Profile
Available Network
Status
Statistics
Wi-Fi Protect Setup

Status: Associated
Speed: Tx:150Mbps Rx:150Mbps
Type: Infrastructure
Encryption: AES
SSID: test
Signal Strength: 90%
Link Quality: 93%

Network Address:
MAC Address: 00:87:11:43:18:AA
IP Address: 192.168.2.100
Subnet Mask: 255.255.255.0
Gateway: 192.168.2.1

ReNew IP
☑ Show Tray Icon
☐ Radio Off
☐ Disable Adapter
Close

11． Click on the available network we can see that encryption is WPA-WPA2-PSK/TKIP-AES. You have established a good secure wireless network.


REALTEK 11n USB Wireless LAN Utility
Refresh(R) Mode(M) About(A)
MyComputer
Realtek RTL818
General
Profile
Available Network
Status
Statistics
Wi-Fi Protect Setup
Refresh
Add to Profile
Close

Available Network(s)

SSID	Channel	Encryption	Network Authentication
test	11	TKIP/AES	WPA Pre-Shared Key/WPA2 Pre-Shared Key

Note
Double click on item to join/create profile.

☑ Show Tray Icon
☐ Radio Off
☐ Disable Adapter

CE-Declaration of Conformity

For the following equipment:

Germering, December 08, 2011

USB Wireless N 150Mbit Adapter

ALL0234Nano

The safety advice in the documentation accompanying the products shall be obeyed. The conformity to the above directive is indicated by the CE sign on the device.

The Allnet ALL0234Nano conforms to the Council Directives of 1999/5/EC.

This equipment meets the following conformance standards:

EN60950-1:2006/A11:2009
EN62311:2008
EN301489-1 V1.8.1:2008-04
EN301489-17 V2.1.1:2009-05
EN300328 V1.7.1:2008-10

This equipment is intended to be operated in all countries.

This declaration is made by
ALLNET Computersysteme GmbH
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82110 Germering
Germany

Germering, 08.12.2011

Wolfgang Marcus Bauer
CEO