

# Wireless Adapter Quick Installation Guide

## Introduction

Thank you very much for your purchasing our wireless network adapter, which allows users to connect desktop or notebook computer to the Internet without the hassle of messy wires. Designed with wireless N technology and compatible with IEEE802.11n, the wireless speed is up to 150Mbps, which is fit for the online gaming and even video streaming.

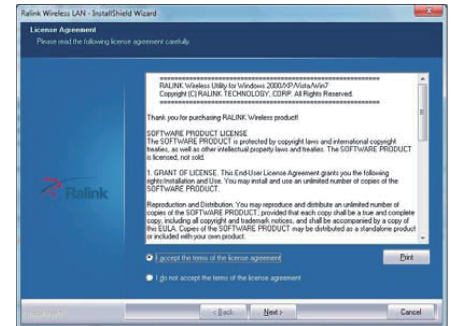
## System Requirements

- Computer with 1GHz pentium processor or above
- Windows 2000/XP/Vista/Win 7
- USB 2.0 Port

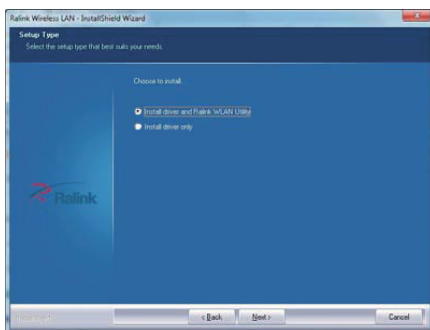
## 1. Software and Driver Setup»

Note: Please do not connect your wireless adapter to your computer before installing the software. If you really do that, please cancel it. Then insert the CD into the CD-ROM, find the appropriate system and choose **"Setup.exe"**.

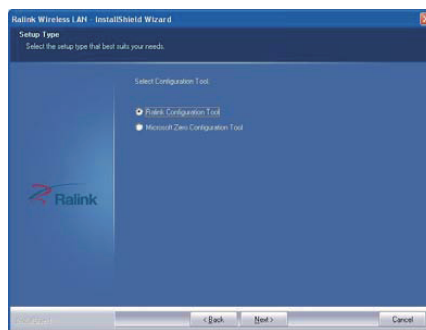
1. The setup Wizard window will appear, choose the **'Accept'**, and then Click **'Next'** to continue.



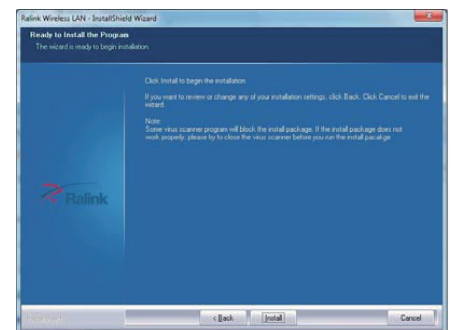
2. Select **'Install driver and Ralink WLAN utility'** and then Click **'Next'**.




3. Choose **'Ralink Configuration Tool'**, then Click **'Next'**.



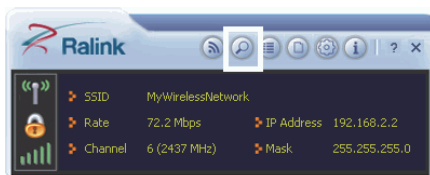
4. Click **'Install'** to start the software setup, and then Click **'Finish'** to complete the setup.




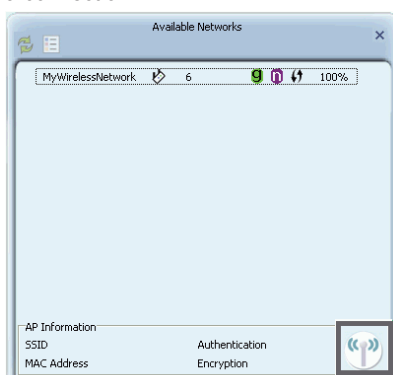
## 2. Connect to wireless network»

1. Open the Ralink Utility by double-clicking on the  Ralink Utility icon in the taskbar in the bottom right corner of your screen, or by clicking Start > Programs > Ralink Wireless Utility.

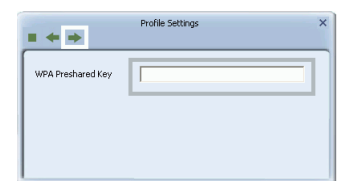
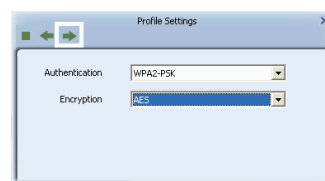
2. The Ralink Utility appears, to connect to a wireless network you need, click the Available Networks button.



3. In the Available Networks window that appears, select the name of the network to which you are connecting. Then click the connect icon  and wait several seconds while the Utility sets up a connection.

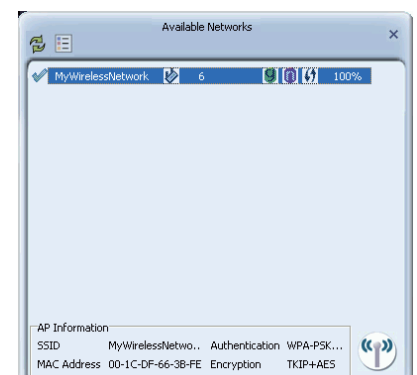


4. The Utility automatically detects and displays the security settings of the network to which you are connecting in the Profile Settings screens. For instructions on setting up security, click on the security method detected for your network, click the right arrow to save your settings.



5. Type a security key, the same as that used by the AP or wireless router to which you are connecting. Click the right arrow to save your settings and connect to the network.


6. Once you are connected the Available Networks screen shows the status of your connection.



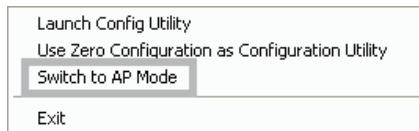
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## 3. Soft AP Mode Setup ( Setting Up a Wireless Network )

**Note:** Use the Utility to set up an access point (AP) for a wireless network. If your Adapter is connected to a computer with an Internet connection, any computer or device connected to your wireless network can also connect to the Internet.


1. To begin setting up the AP, set the Ralink Utility to AP Mode. Right-click on the Ralink icon  in the task bar in the bottom right hand corner of your screen.

2. In the menu that appears, click "Switch to AP Mode". Wait several seconds for the Utility to appear in AP Mode.



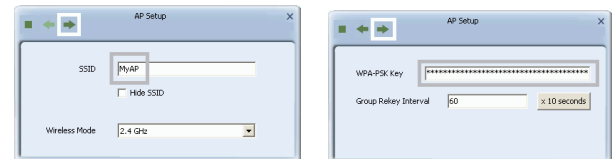
3. If you have more than one network card, the following popup appears. In 'WAN Adapter Name', select the card you will use to connect to the Internet (or other network). The adapter name given here is an example only, the name of your network card may differ.



4. The Ralink Utility appears in compact mode. Click the AP Setup button  to begin setting up your AP.



5. Set the name of your network (SSID) using up to 32 ASCII characters. Click the right arrow to navigate to the next screen.




6. Set up wireless security for your network. Select the strongest security supported by the devices using your network.

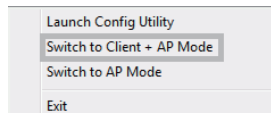
7. Once your AP is set up, the Utility displays the name of your network and your AP's IP address for use when adding computers and devices to your network.

## 4. Client + AP Mode ( Connecting your Network to the Internet )

**NOTE:** This feature is only available in Windows 7 and above.


1. To begin setting up the AP, set the Ralink Utility to AP Mode. Right-click on the Ralink icon  in the task bar in the bottom right hand corner of your screen.

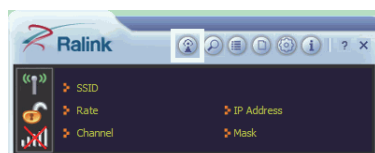
2. In the menu that appears, click "Switch to AP Mode". Wait several seconds for the Utility to appear in AP Mode.



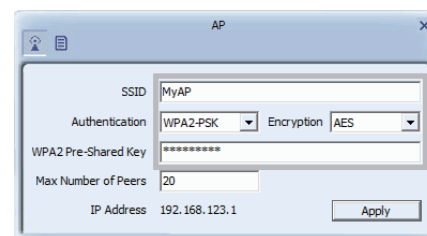
3. If you have more than one network card, the following popup appears. In 'WAN Adapter Name', select the card you will use to connect to the Internet (or other network). The adapter name given here is an example only, the name of your network card may differ.



4. The Ralink Utility appears in compact mode. Click the AP Setup button  to begin setting up your AP.




5. The AP screen appears. In the 'SSID' field, type a name for your network. In the 'Authentication' and 'Encryption' fields, select the strongest security settings supported by devices joining your network. If required, type a security key and note this safely for use by devices joining your network. Click 'Apply'.



6. Connect a device such as iPhone to your network using the settings applied in the AP screen. Open a browser on the device to test its connection to the Internet.

## 5. Troubleshooting

See Troubleshooting for solutions to problems setting up a wireless network. For further information on the screen used in this procedure, see the  icon as below:



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## 5. 5G wireless connection installation steps

Setup steps for 5G wireless connection is same as 2.4G mode. All you need is to choose a 5G wireless access point.

## 6.Specifications

Software Specification	
Standard	IEEE802.11a, IEEE 802.11n, IEEE 802.11g, IEEE 802.11b
Chipset	Ralink RT5572N
Wireless Speed	11a : up to 300Mbps 11n : up to 300Mbps 11g : 6/9/12/18/24/36/48/54Mbps(adaptive) 11b : 1/2/5.5/11M(adaptive)
Frequency Range	2.402-2.480GHz , 5180-5240MHz, 5745-5825MHz
Modulation Type	11b : CCK,DQPSK,DBPSK 11g : OFDM 11n : OFDM With PSK,BPSK,16-QAM,64-QAM 11a : OFDM
Antenna	Built-in PCB board antenna 2dBi external antenna 2dBi
Work Mode	Ad-Hoc Infrastructure
DSSS	Direct sequence spread spectrum
Wireless Security	64/128 bits WEP WPA/WPA2, WPA -PSK/WPA2 -PSK (TKIP/AES)
Support Operating System	Windows 2000/XP/Vista/Linux/ Win 7/8/Mac

## 7.FCC warning language

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

NOTE: 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 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.