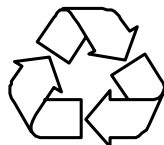# 150M Wireless-N USB Adaptor

User Manual

REV: V1.0

RECYCLABLE

Certification
FCC CE

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

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

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

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

This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Caution!

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

Package Contents

The following items should be found in your package:

► 150M USB Wireless Adapter

► Quick Installation Guide

► CD-Rom

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

Content

1. Introduction

1.1. Product Overview

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

1.2. Main Features

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

1.3. Standards

- ► 802.11b/g/n
- ► 802.11i

1.4. Working Environment

Temperature：
- ► 0° to 40° C (operating)
- ► -20° to 70° C (storage)

Humidity：
- ► 10% to 90 % non-condensing (operating)
- ► 5% to 95% non-condensing (storage)

1.5. System Requirements

► Available USB 1.1 or USB 2.0 slot

► 300 MHz processor and 32 MB of memory

► CD-ROM drive

► An 802.11b/g/n access point (for Infrastructure Mode) or another 802.11b/g/n wireless adapter (for Ad Hoc; Peer-to-Peer networking mode.)

► Microsoft® Windows® 7, Vista™, XP, 2000 SP4

2. Hardware and Driver Installation

2.1. Insert the Adapter

Plug the USB Wireless Adapter into an available USB port on your computer, and the Found New Hardware Wizard (windows 7) screen will appear; Close the wizard, then clicks the following steps to install;

2.2. Driver and Software Installation

Turn on the computer and insert the included CD in the CD-ROM drive. Click the Start button and choose Run and enter D:\drivers\windows\setup.exe (if 'D' is your CD-ROM drive);
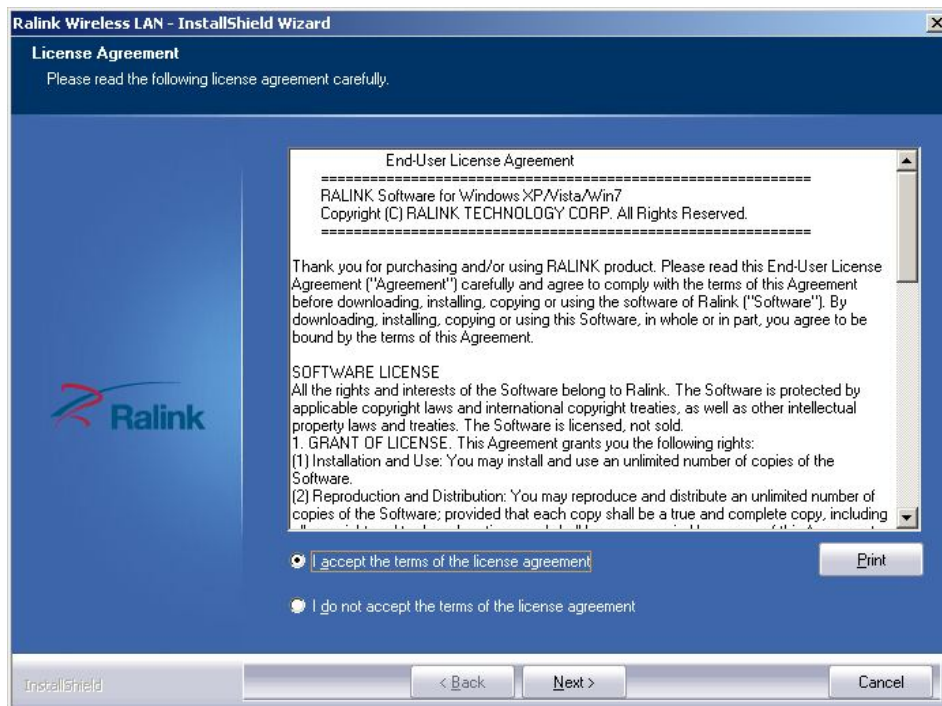
You can also access the optical disk D:\drivers\windows directory (if 'D' is your CD-ROM drive), double-click "setup. exe " for installation;
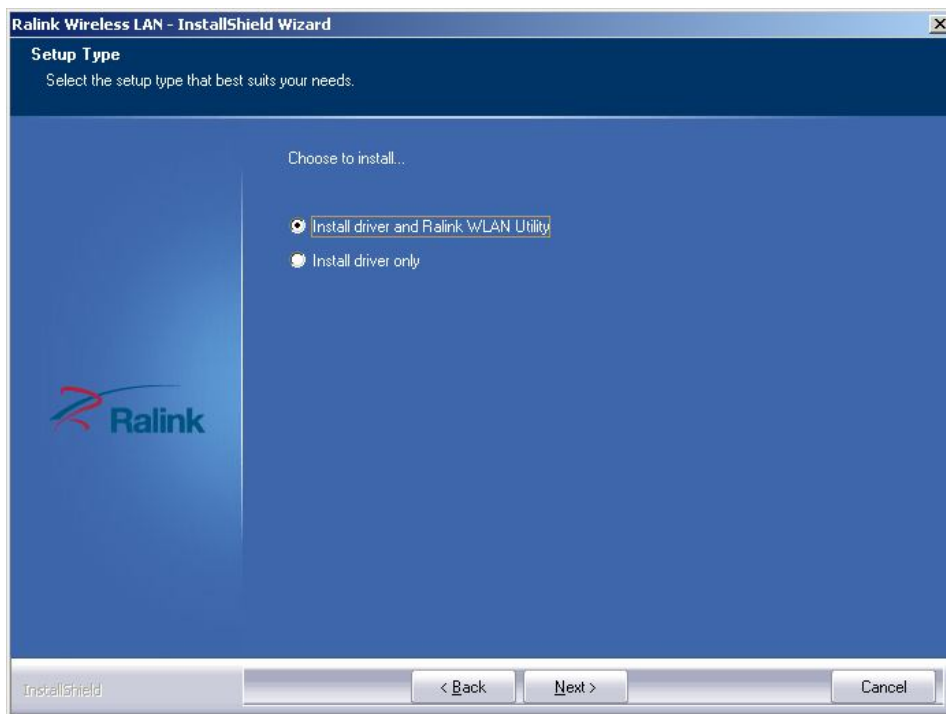

Setup.exe

The following is the step-by-step instructions in Windows 7. The steps and screens are similar for the other Windows operating systems
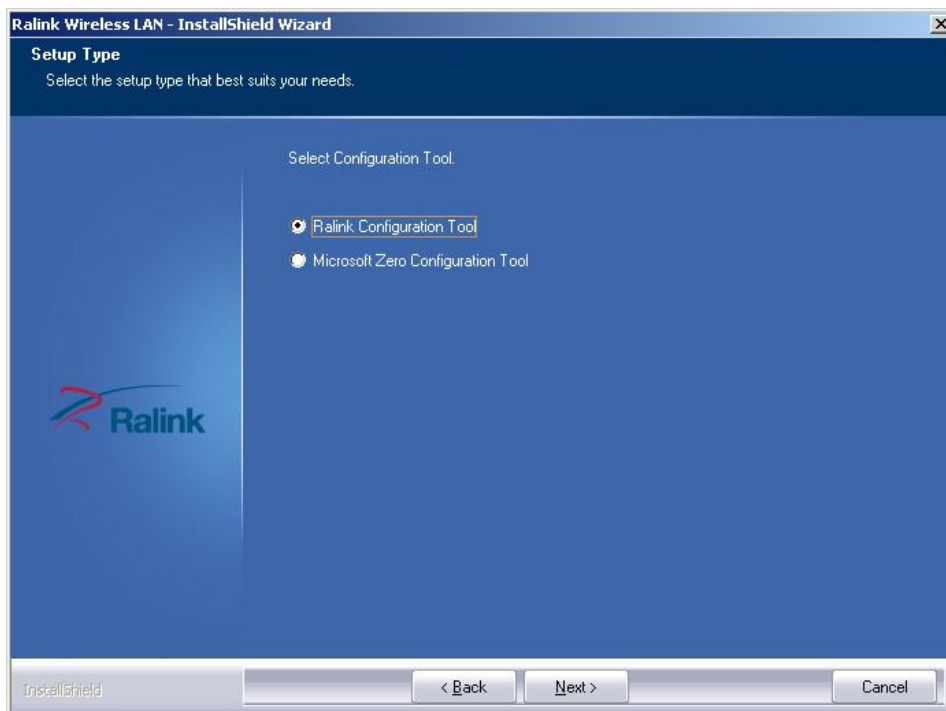
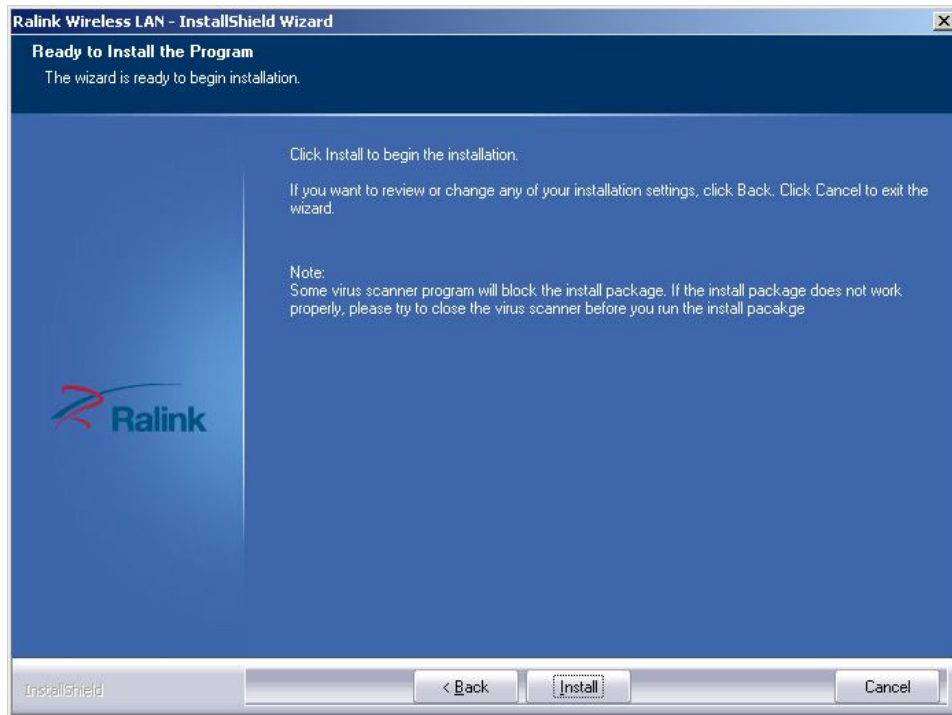➢ Select "I accept the terms of the license agreement" and then click Next;

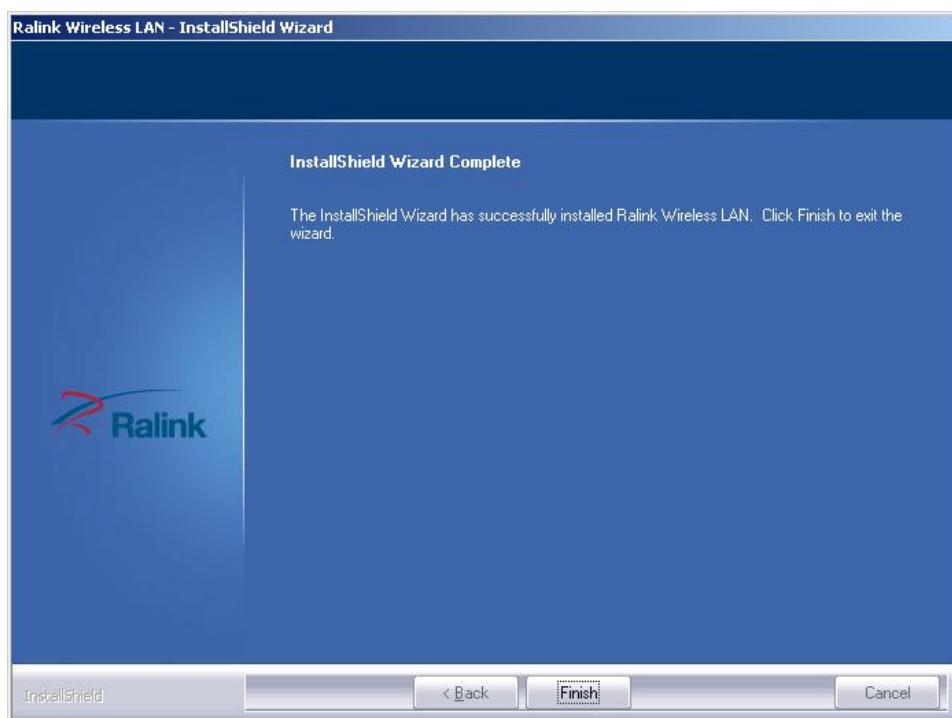➢ Select "Install driver and Ralink WLAN Utility" and Click Next;

➢ Select "Ralink Configuration Tool" and Click Install;

➢ Click "Install";
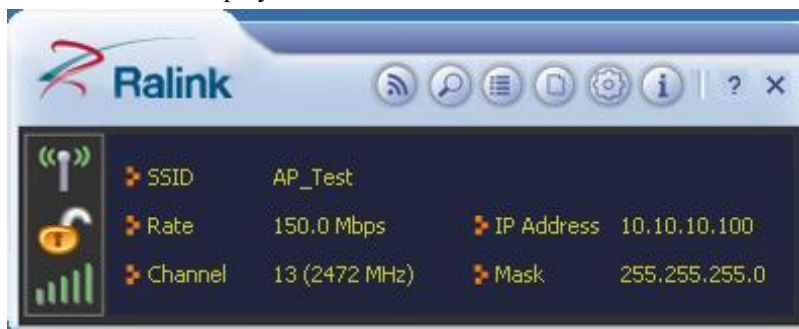
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➢ Click "Finish" to finish the driver installation;

3. System configuration

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

Use the Ralink WLAN Utility to check the link information, search for available wireless networks, or create profiles that hold different configuration settings. You can double-click the icon on your desktop to run it. Another way to start the Configuration Utility is to click Start> All Programs> Ralink Wireless> Ralink Wireless Utility. If the utility is not selected to install, then you may use the utility your computer has (e.g. windows zero config)

3.1. General
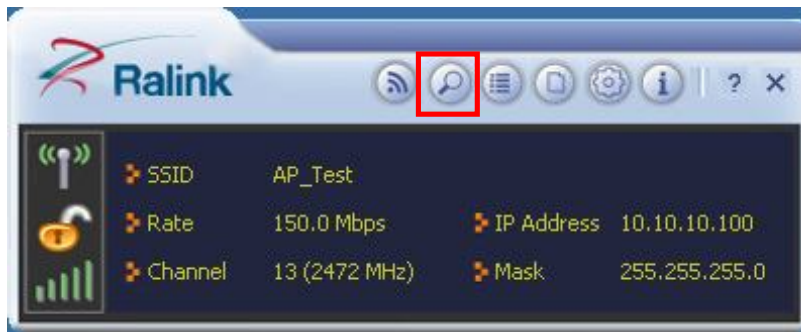
The General tab displays current Wireless statistics.

General Information

➢ SSID: The unique name of the wireless network.
➢ Rate: The data transfer rate of the current connection
➢ IP Address: The IP Address of the Adapter
➢ Mask: The Subnet Mask of the Adapter
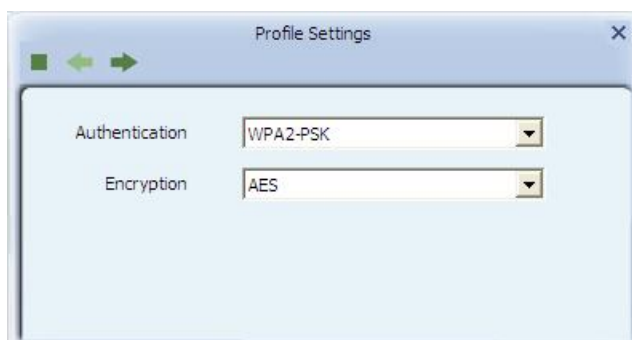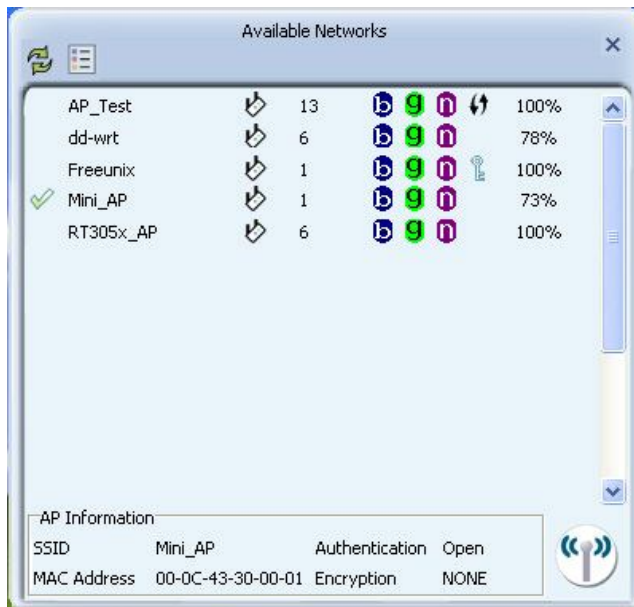➢ Channel: The channel of the current connection

3.2. Profile

3.2.1. Quick Connect

If you want your wireless computers to communicate with other computers on your wired network via a wireless access point.

Select Available Network tab and click Refresh button to refresh current available wireless network, you can double click it after highlighting a wireless network you want to connect, If it is encrypted, you need to enter Network Key and confirm it and it will be OK.(Note: profile will detect the Authentication and Encryption of current wireless network, you don‟t need to change it.)

Click ➡ to enter the encryption code.