

QUICK INSTALLATION GUIDE

EN

WPCI-150A

150Mbps Wireless PCI LAN Card

V 1.1_20110309

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CE DECLARATION OF CONFORMITY

The product fulfils the following requirements according to EMC DIRECTIVE 92/31/EEC, EMC 2004/108/EC and LVD 2006/95/EC:
ETSI EN300328 V1.7.1
ETSI EN301489 V1.6.1
ETSI EN301489-17 V1.2.1
ETSI EN60950-1

SAFETY NOTICE

Do not use this product near water. Using the product during a thunderstorm should be avoided. Do not place heavy objects on the casing.

RECYCLING NOTICE



The symbol of the crossed-out wheeled bin on this product means that it is forbidden to place the equipment waste together with other waste (under penalty of fine). Detailed information about recycling of the product can be obtained at local authorities, local waste treatment plants or local distributors. Forwarding the equipment waste to recycling or recovery points helps to avoid the negative influence of the harmful components present in the equipment on the environment and human health; in this scope the primary role is played by each household.

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PACKAGE CONTENTS:

The following elements should be found in the package
- 150Mbps Wireless PCI LAN Card - WPCI-150A
- Quick Installation Guide
- CD

CHAPTER I (Installation):

ADAPTER INSTALLATION:

To install the adapter into your computer, follow the instructions:

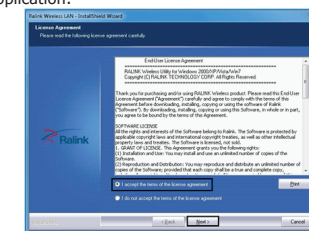
- 1) Turn off the computer and disconnect the AC power.
- 2) Open the casing cover.
- 3) Insert the adapter into the PCI slot on the main board.
- 4) Secure the adapter in the assembly slot with a screw.
- 5) Close the casing cover.
- 6) Connect the AC power and turn on the computer.

DRIVERS INSTALLATION (Windows 2000, XP, VISTA, 7)

1) Insert the CD with software into CD-ROM drive, and then open the catalogue: **x:\drive-r\WPCI-150A** (where **x** is the letter of the drive) and choose the catalogue with drivers for your operating system.

2) Click the installation file setup.exe  to start the installation process.

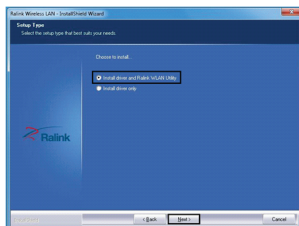
3) Follow the instructions of the installation application:



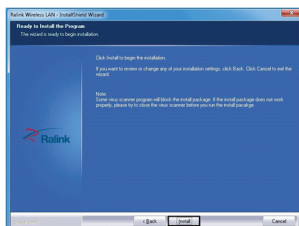
Choose the acceptance of licensing terms, and then press **NEXT**

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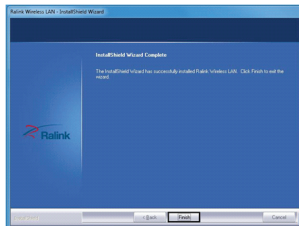
Select Install driver and **Ralink WLAN Utility**, then press **NEXT**



Click **INSTALL** to begin the installation process



Select **FINISH** to complete the installation.



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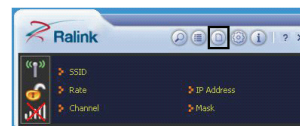
CHAPTER II (Configuration)

Configuration a wireless connection using **Ralink Wireless Utility**:

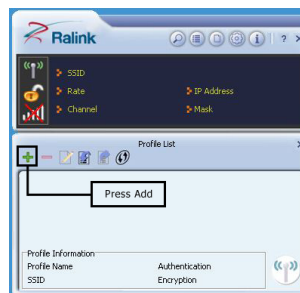
1) Run the pre-installed application **Ralink Wireless Utility** using the "Start" menu or double-click the application icon in the system tray.



2) In the appearing window, from the taskbar choose Profile.

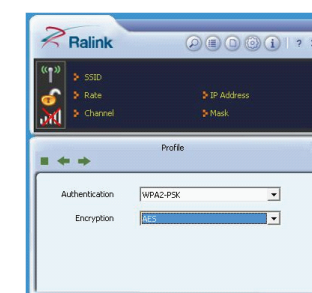


3) Then choose Add, to add a network.



4) Enter the profile name and choose the name of the network, which you want to connect to (SSID) and the working mode (Infrastructure or Ad Hoc). Then click the right arrow to continue.

5) Choose encryption type (network protections). Then click the right arrow to continue.



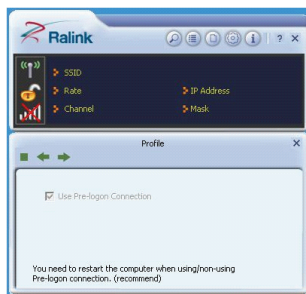
6) Enter security key (the same as the one set in the transmitting device, e.g. router). Then click the right arrow to continue.

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7) Click the right arrow to continue.

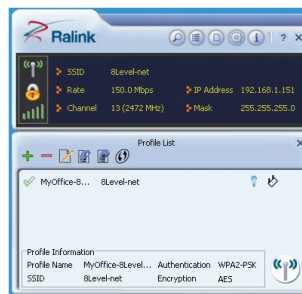


8) The network has been saved and added to the list. Highlight the chosen network and then click Active to establish the connection.

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9) Connection has been established successfully, if all the connection parameters are displayed.



NOTE: The adapter supports the WPS function, which enables to establish a connection by following a few simple steps (WPS function should be turned on in the adapter software, and then press the WPS button on the transmitting device, e.g. router).

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CHAPTER IV (Features and specification)

Compliant with IEEE802.11 b/g/n (Lite N)

Compliant with PCI ver. 2.2

Ethernet controller for PCI bus

Connection auto-negotiation function

Data transfer speed up to 150Mbps

Two working modes: Ad-Hoc / Infrastructure

Supported encryption types: 64/128 bit WEP, WPA/WPA2, WPA-PSK / WPA2-PSK (TKIP/AES)

Specifications	
Standards	IEEE 802.11n, IEEE 802.11g, IEEE 802.11b
Wireless Data Rates	802.11n (Lite N): up to 150Mbps
	802.11g: up to 54Mbps 802.11b: up to 11Mbps
Frequency Range	2.4-2.4835GHz
Receiver Sensitivity	130M: -68dBm@10%
	108M: -68dBm@10%
	54M: -68dBm@10%
	11M: -85dBm@8%
	6M: -88dBm@10%
	1M: -90dBm@8%
Working Mode	Ad-Hoc / Infrastructure
Security	64/128 bit WEP, WPA/WPA2, WPA-PSK / WPA2-PSK (TKIP/AES)
Power	15dBm(MAX EIRP)
Interfaces	PCI
Operating Temperature	0°C–40°C (32°F–104°F)
Operating Humidity	10%–90%

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