WL-266N22_DUBAND

11bgn Wireless Dongle

Hardware and Driver Reference

CONTENTS

INTRODUCTION

SCOPE

The primary purpose of this documentation is to describe the WL-266N22_DUBAND product specifications, features, and requirements. The WL-266N22_DUBAND is an IEEE802.11 b/g/n USB dongle. It allows you to easily upgrade your PC-Platform or Laptop to 802.11n (final n). It provides an access speed of 150Mbps with IEEE802.11n (final n)protocol. It is also officially recommended by Xlink Kai, which is a software that allows PSP or Nintendo DS users to play online games all over the world. Optimized RF architecture and baseband algorithms provide superb performance and low power consumption. Intelligent MAC design deploys a high efficient USB engine and hardware data processing accelerators without overloading the host processor. WL-266N22_DUBAND is designed to support standard based features in the areas of security, quality of service and international regulation, giving end users the greatest performance anytime in any circumstance.

ACRONYMS AND DEFINITIONS

Acronym Description

BPSK   Binary Phase Shift Keying

QAM   Quadrature Amplitude Modulation

QPSK   Quadrature Phase Shift Keying

WEP   Wired Equivalent Privacy

WPA   WiFi Protected Access

GENERAL FEATURES

USB dongle that supports IEEE 802.11b/g/n (final n).

BPSK, QPSK, 16QAM, 64QAM, DBPSK, DQPSK, CCK modulation schemes

WEP, TKIP, AES, WPA, WPA2 security support•

HARDWARE INFORMATION

Item   Description

Form Factor   USB Dongle

Host Interface   USB 2.0

Antenna Type   PCB Antenna

PCB   4 layer

The WL-266N22_DUBAND is a USB 2.0 Wi-Fi dongle which adopts Ralink RT3572 single chipset solution integrating MAC/Baseband and 2.4GHz RF. It fully complies with IEEE 802.11n (final n) and IEEE 802.11 b/g feature. Its high standard wireless connectivity delivers reliable, cost-effective, higher throughput, and extended wireless cover range. Optimized RF architecture and baseband algorithms provide superb performance and low power consumption.

Intelligent MAC design deploys a high efficient USB engine and hardware data processing accelerators without overloading the host processor. WL-266N22_DUBAND is designed to support standard based features in the areas of security, quality of service and international regulation, giving end users the greatest performance anytime in any circumstance.
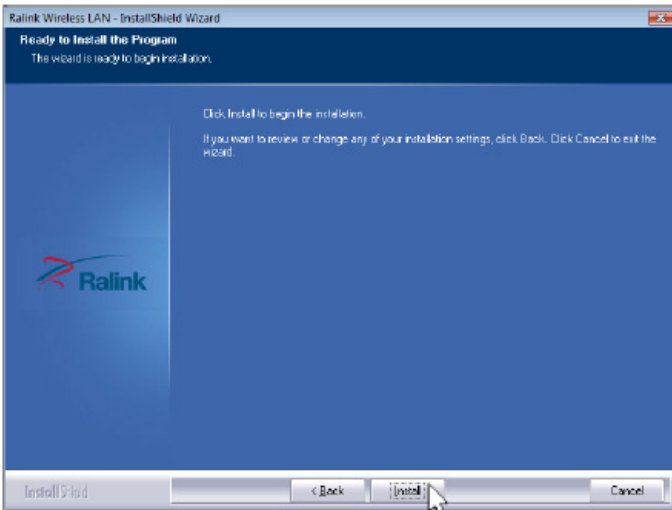
DRIVER INSTALLATION STEPS
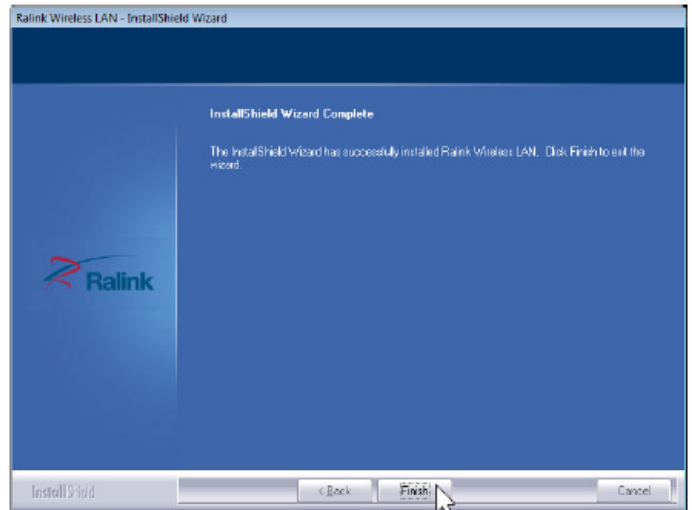
Double-click the driver setup file.
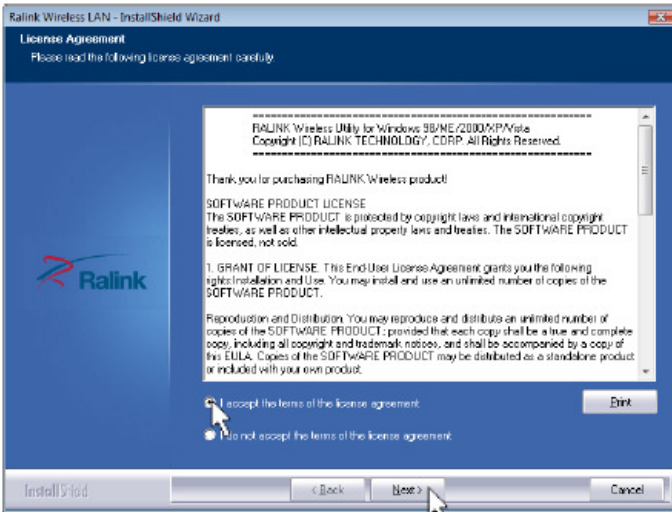
Read the agreement. Select "I accept…" and click Next to continue.
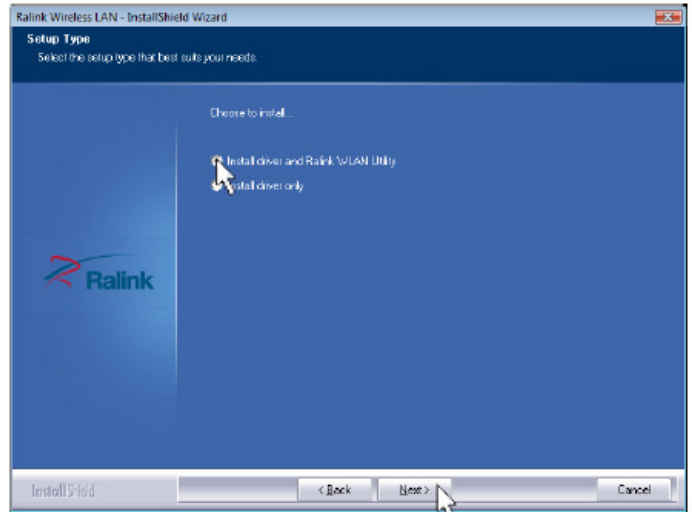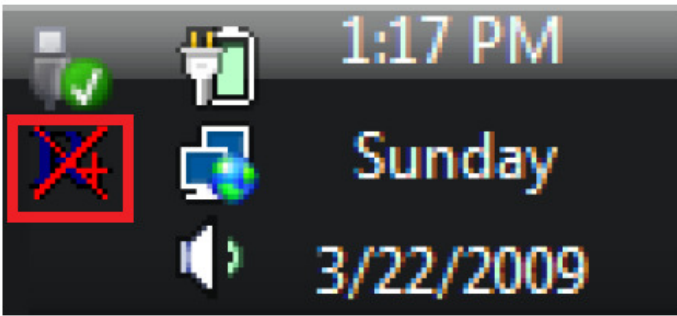

Select "Install driver and Ralink WLAN Utility". Click Next to continue.
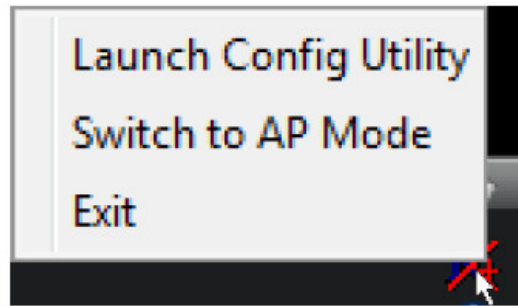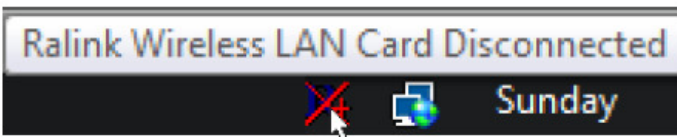

Click Next to begin installation.

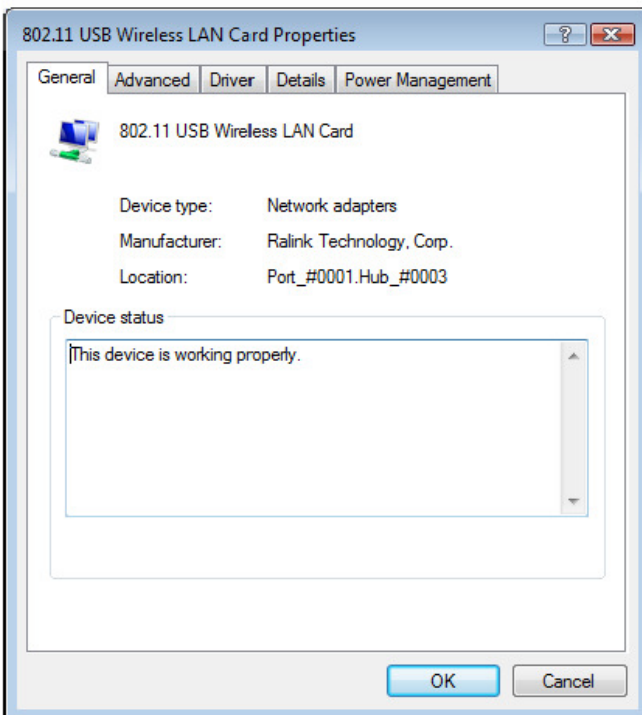After installation, click Finish to exit.

The Ralink Utility icon will show on the Windows taskbar. A red X will show when there is no connection.
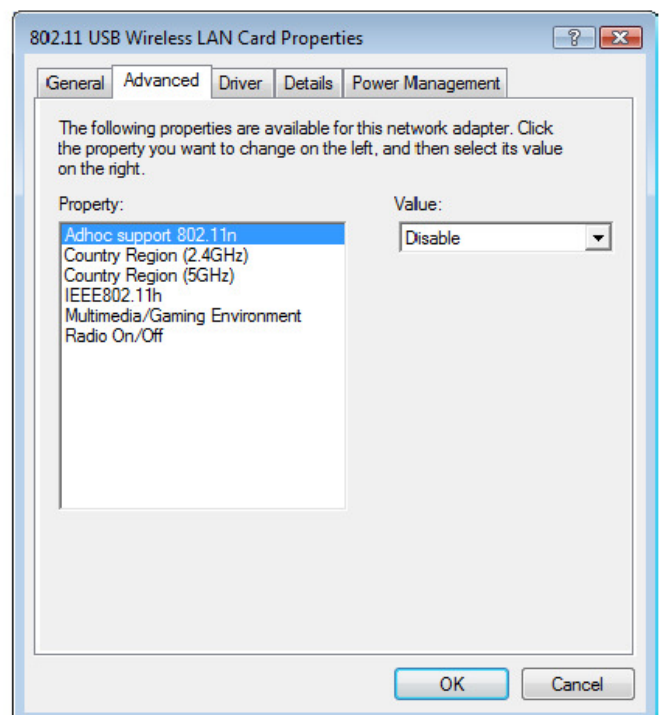

Right click the Ralink Utility icon to bring up a shortcut menu.

Status will show when your cursor is placed over it.

Detailed driver info.

Detailed device info.

DEVICE AND DRIVER DETAILS
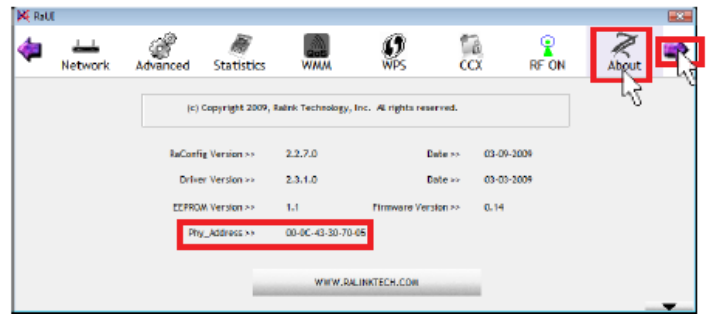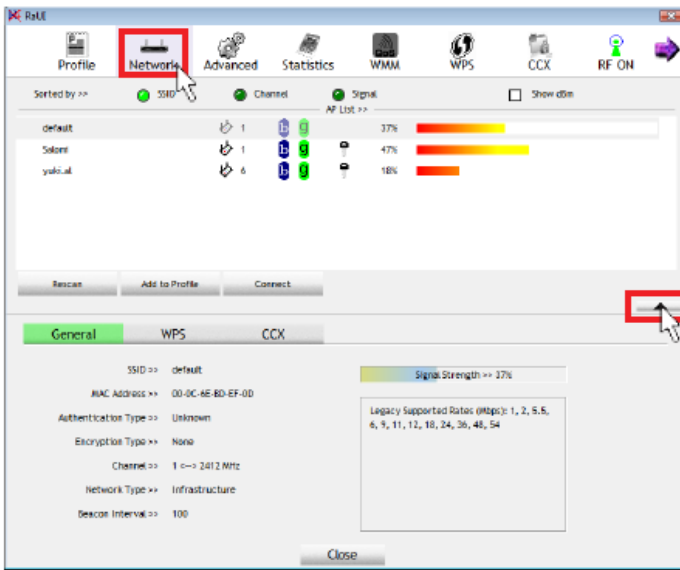
Connection to a wireless LAN:

When you launch the Config Utility, click the Network icon and you will see a list of detected access points. Double-click the access point name to connect to it. (Extra information may be needed by the access point if security is enabled.)

Click the arrow on the right side of the window to show or hide details. (The above details are shown.)

Learning your device address:

Click the violet right arrow to show more icons. Click the About icon to display information about your wireless device.

You can see the "Phy_Address" in this window. This address is need for connection to access points that has accept/reject security access.

SAFETY STATEMENTS

FCC Radio Frequency (R F) Exposure Caution 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 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.

FCC CAUTION: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. "The manufacturer declares that this device is limited to the channels in the US frequency band by a specified firmware controlled in the USA.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible. This equipment complies with FCC RF exposure limits set forth for an uncontrolled environment. To maintain compliance with FCC RF exposure compliance requirements, please follow operation instructions in the user's manual.

FCC Label Compliance Statement:

This device complies with Part 15 of 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.

Module User Requirements:

When the module be installed into new host and a separation distance of more than 20cm from the human body. However if the module is placed into the host that is RF category portable,   the FCC RF exposure requirements of the portable host must be properly\addressed .The label shall include following message:

<div align="center">

Contains FCC ID: VUI-WL266N22BGN

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