Simplecom®

NW621

AC1200 WiFi Dual Band USB Adapter
with 5dBi Antenna

User Manual

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Introduction

Packaging Contents

- 1 x USB AC1200 Wifi Adapter
- 1 x 5dBi Antennas
- 1 x Driver CD

System Requirements

- Available USB port
  (USB 3.0 Preferred, also backward compatible with USB2.0)
- Operating System: Windows XP/Vista/7/8/8.1/10 (32/64-bit), Mac OSX 10.4-10.11, Linux

Product Overview

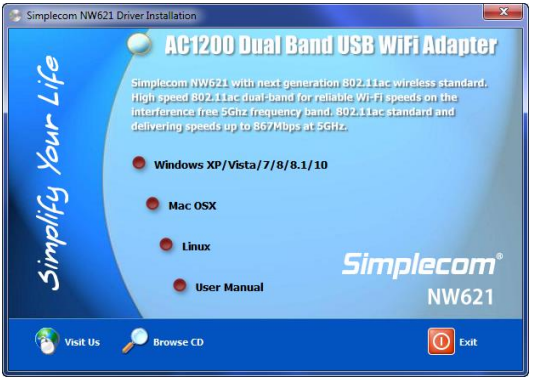
Quick Installation Guide

Windows

Note: The NW621 is plug-and-play supported in Windows 8/10 and does not require installation from the CD.

1. Insert the provided CD into your DVD/CD-ROM drive.
2. Select Autorun.exe from the Autoplay menu. If Autoplay is disabled on your system, browse to your CD/DVD drive and run the application.

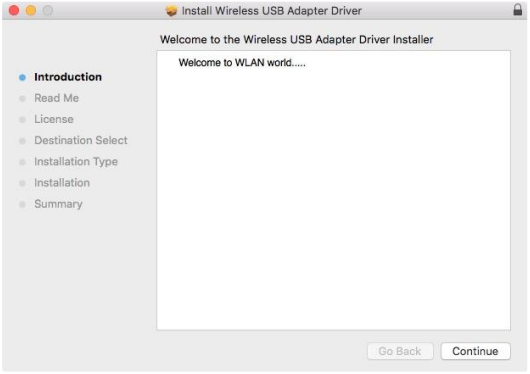
3. Select the Driver Installation option.



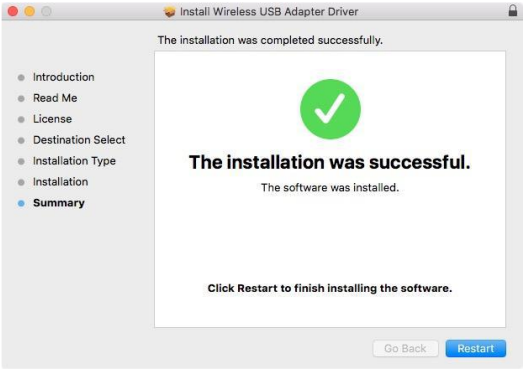
4. Follow the on-screen instructions to complete the installation.
   NOTE: You may be prompted to restart once the install completes.
5. Connect the device to an available USB port.

Mac OS

1. Insert the provided CD into your DVD/CD-ROM drive.
2. Browse to the Mac driver folder on the disc and run theInstaller “Installer.pkg” application to start the install.



3. Follow the on-screen instructions to complete the installation.
   NOTE: You may be prompted to restart once the install completes.

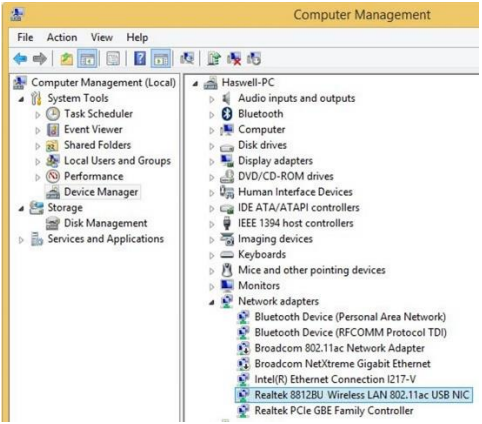


4. Connect the device to an available USB port.

System Information

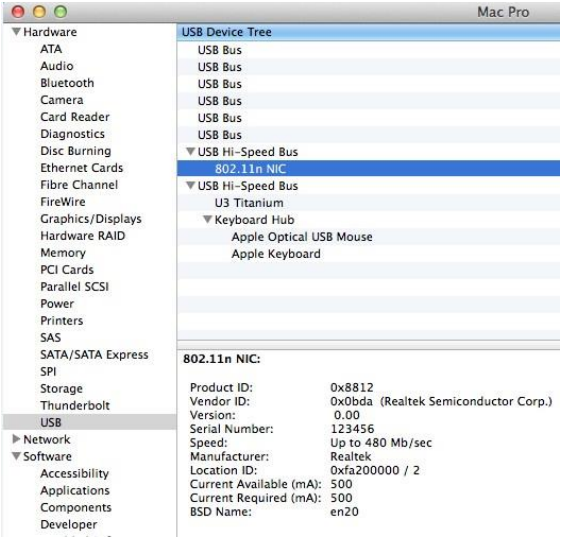
Windows Device Manager

1. Open the Device Manager by right-clicking on Computer, and then select Manage. In the new Computer Management window, select Device Manager from the left window panel (For Windows 8, open the Control Panel and select Device Manager).
2. Expand the "Network adapters" section. On a successful install, you should see the following device in the list with no exclamation points or question marks.



Mac OS System Report

1. Open the System Report by clicking the Apple symbol in the top left corner, selecting About this Mac, then select System Report
2. Expand the "Hardware" section and click "USB" in the left column. With the adapter connected, you should see the following device in the list.



Setting

Windows

Connecting to a wireless network is done through either the Windowswireless configuration utilities. You must know the name of the wireless network (SSID), the type of security it is using (if any) and its associated password to connect to a wireless network. Consult the documentation for your wireless access point (AP) or contact your network administrator fordetails.

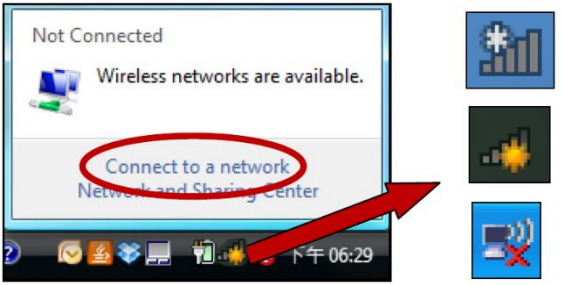
Depending on your version of Windows, you can display the list of available networks using one of the following methods:

Windows 10	Tap or click the Wi-Fi icon in the taskbar. If you don't see it, you might have to tap the up arrow to make it visible.
Windows 8	Move the cursor to the upper right corner to open the Charms Bar, select Settings and then select Wi-Fi
Windows 7	Click the network adapter tray icon
Windows Vista	Click Start, then Connect To
Windows XP	Right-click the wireless adapter tray icon and select View Available Wireless Networks

Configuration

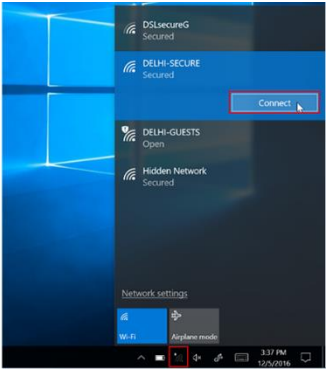
Tray Icon

Click the network icon in system tray and select “connect to a network”

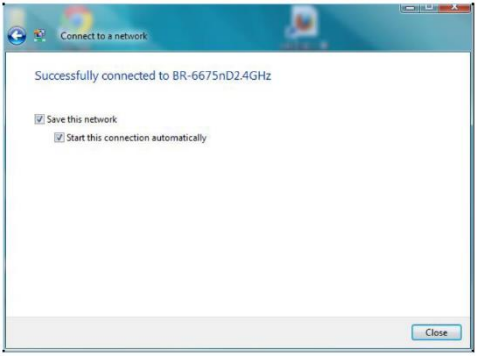


Find Your SSID

Search for the SSID of your Wi-Fi network and then click “Connect”. It will prompt to enter password if your network is encrypted



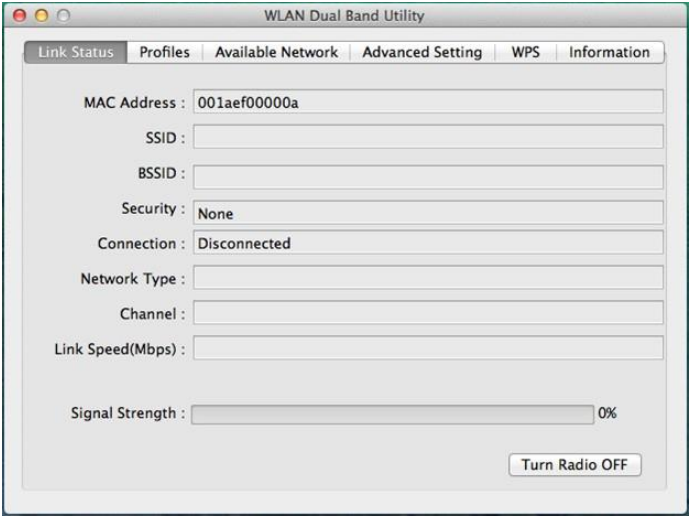
After correctly entering your Wi-Fi password, you will be successfully connected to your Wi-Fi network



Mac OS

Link Status Tab

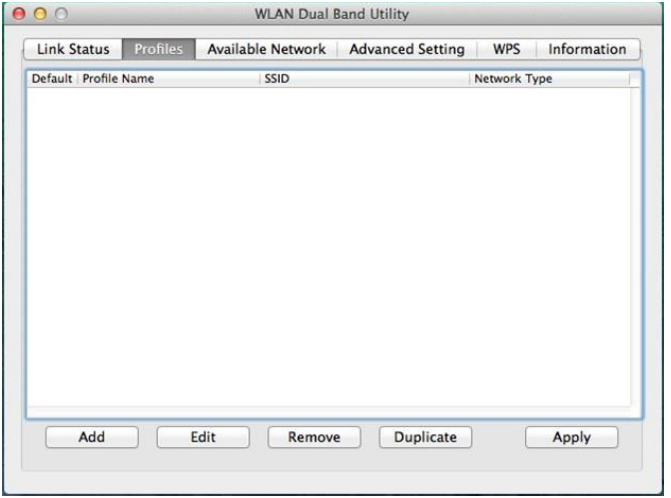
Displays information related to the currently connected network.



Signal Strength – Strength of the link between the adapter and the connected AP.
Radio Off – Disable the wireless radio.

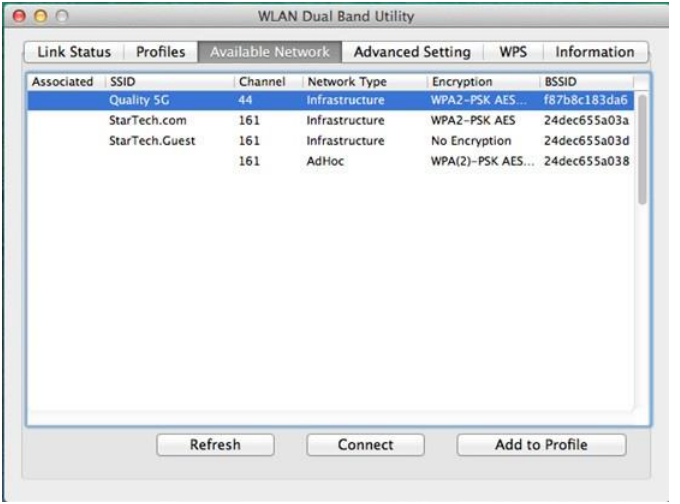
Profiles Tab

Add, Remove, Edit, Duplicate or Set Default wireless profiles.



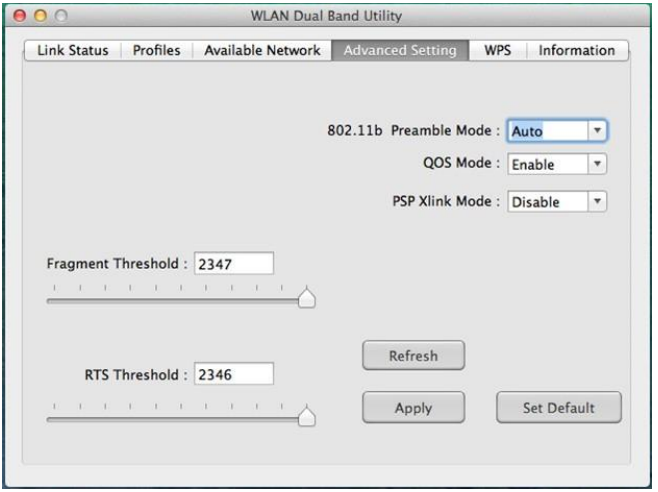
Available Networks Tab

Displays a site survey of networks within range of theadapter.



Advanced SettingsTab

Provides advanced configuration options for thedevice.



Preamble Mode:

Long - Higher quality but with lower performance than preamble short mode.

Short - Normal quality but with higher performance then preamble long mode.

Auto - Select the proper preamble mode by current signal frameinformation.

QoS Mode – Enable / Disable packet prioritization.

PSP Xlink Mode – Enable / Disable PSP Xlink support.

Fragment Threshold – Specify the size at which large packets should be fragmented.

RTS Threshold – Enable RTS/CTS for packets over the specifiedsize.

Specifications

Host Interface	USB 3.0
Chipset	Realtek - RTL8812BU
External Connectors	1 x USB 3.0 A Male
Supported Standards	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac Draft 2.0
Antenna Configuration	2x2:2 (TxR:S)
Wireless Frequencies	2.400GHz ~ 2.484GHz 5180GHz ~ 5805GHz
Supported Security Schemes	64/128 bit WEP, WPA, WPA2 (TKIP/AES)
Operating Temperature	0°C ~ 60°C (32°F ~ 140°F)
Storage Temperature	0°C ~ 70°C (32°F ~ 158°F)
Humidity	10% ~ 90% RH
Weight	35g
Compatible Operating Systems	Windows® 10 / 8 / 8.1 (32/64bit), 7 (32/64), Vista(32/64), XP(32/64) Mac OS® 10.9 - 10.13 Linux kernel 2.6.24 - 4.7

Warranty Information

1 Year limited Warranty.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

For our assistance with regards to warranty please email to support@simplecom.com.au or create a support ticket at http://www.simplecom.com.au

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