

Quick Installation Guide

This Installation Guide will lead you through the installation of WLAN USB Adapter and the software.

To establish your wireless network connection, the following steps should be executed.

1. Install the software using the installation CD.
2. Install the WLAN USB Adapter.
3. Install the required network protocols to communicate with your network. Most likely, you will need the TCP / IP protocol.

The product is designed to operate in, Windows 98, Windows Me, Windows 2000, and Windows XP. And the installation procedure for each operating system is about the same.

Install WLAN USB Adapter Driver for *Windows 98, ME, 2000 and XP*

When plugging in the WLAN USB Adapter into the computer's USB port, insert the WLAN USB Adapter CD ROM into computer, as the Windows operating system is detecting the driver, refer to the "D:\USB\Drivers\Netvusbr.inf" in the box (D:\ will depends on where the CD-ROM drive is located) and click **OK**.

Install WLAN USB Adapter Utility for *Windows 98, ME, 2000 and XP*

1. When plugging in the WLAN USB Adapter into the computer's USB port Insert the WLAN USB Adapter CD ROM into computer and the CD will automatically runs a setup menu. Then select **Install Software** from the menu. Or proceed manually using the Windows Start Run type "D:\USB\Setup.exe" in the box (D:\ will depends on where the CD-ROM drive is located) and click **OK**.
2. The Install Shield tool will help you to setup the USB driver.
3. This process asks you to install the 802.11 Wireless LAN into the right folder.
4. The **Select Program Folder** dialog box allows you to accept the default application program folder name or to assign a name of your preference.
5. Restart your computer, then the WLAN USB Adapter Client Utility is ready to use.
6. After the restart, you may right side bottom of the computer screen, there was an antenna icon in blue color, it can be sure that the WLAN USB Adapter is ready, otherwise, it is in red color that means the USB adapter is not linking to a wireless device.

Wireless LAN Monitor Utility

With the WLAN USB Adapter utility, users can configure all the functions provided by the WLAN Monitor Utility. Double-click the utility icon  that appears in the taskbar.

The monitor Utility includes seven tabs: Monitor, Statistics, Site Survey, Encryption, Advanced, Profiles and Info.

In Ad Hoc mode, the Channel and SSID must be the same among stations so that the computers can communicate within the local LAN properly. Moreover, all connected computers should have the same net ID and subnet ID, you can follow the procedure below to check whether you have the same net ID and subnet ID among stations:

1. Right-click on the Network Neighborhood on your desktop and then click on "Properties".
2. In Configuration, click on "TCP/IP -> Wireless USB Adapter" and then click on "Properties".
3. Click on "IP Address".
4. Click on "Specify an IP Address" and make sure having the same net ID and subnet ID of all the connected computers.

Encryption

You may desire an additional measure of security in your wireless network, which can be achieved by using the Encryption function.

➤ **WEP Key to use:**

You can choose one of the four Keys you typed (Key1-Key4) as the WEP Key.

➤ **WEP Mode:**

If you set the Mode to Optional, your device can communicate with the stations with disabled WEP. Otherwise, if you set Mode to Mandatory, then your device cannot communicate with the stations with disabled WEP.

➤ **Authentication Type:**

Open System Authentication algorithm is mostly used. In Shared Key Authentication algorithm, you must have WEP on, the algorithm should be different, and some steps use packets with encryption by transferring a challenge text. In order to choose which authentication algorithm will be used, you must know which one the AP supports first. Most AP only supports Open System.

! Caution: WEP Key needs to be the same for all IEEE802.11b stations.

Follow the steps below to set your WEP:

1. Select the Encryption type: 64bit or 128bit.
2. Type WEP Key: If you select 64bit, you must type 10 values in the following range (0-F, hexadecimal) from Key1 to Key 4 space. Besides, if you select 128 bit, you must type 26 values (0-F, hexadecimal) in each WEP Key from Key 1 to Key 4.
3. Select WEP Key: Select one of WEP Key from Key1 to Key4 for using.
4. Choose the WEP Mode: Mandatory for communicating with all stations having WEP enabled or Optional for WEP disabled.
5. Select the Authentication Type: Open System or Shared Key.
6. After all the settings are completed, click on Submit button to save the setting.

Monitor

There are three processes once you want to change the parameter in the "Setting":

1. Click the "Change" button first if you want to change any of the parameter.
2. Choose the parameter you wish to change.
3. After changing the parameter, please click on the "Submit" button to finish.

➤ **Operating Mode:**

If you want to connect with Access Point, please set the mode as "Infrastructure" mode. If you have more stations and just want to set them as local network, please set the mode as "Ad-Hoc" mode.

➤ **Channel:**

It shows radio channel numbers that used for networking. The Channel number must be the same among stations, so that computers can communicate within the local LAN. It can be changed only under the Ad-Hoc mode. If the Mode was set to Infrastructure mode, this parameter will not be active.

➤ **SSID:**

SSID is the group name that will be shared by every member of your wireless network. You will only be able to connect with an Access Point (AP), which has the same SSID. Please note that when you are in the Ad-hoc mode, the SSID must be the same among stations so that computers can communicate within the local LAN properly.

➤ **Tx Rate:**

You can choose one of the transmission rates as follows, 1Mbps, 2Mbps, 5.5Mbps, 11Mbps, and Auto.

➤ **Int. Roaming:**

When enable the International Roaming function, it allows users of WLAN USB Adapter to travel to a foreign country to use their channels.

➤ **Radio:**

This function is to turn on or off the WLAN USB Adapter.

➤ **Other information:**

The Signal Strength and Link Quality will be shown in the screen below under the Status of your USB adapter,

➤ **Status:**

The Status will show the "OK" if you select "Ad Hoc mode" in the Operating Mode. Besides, the Status will show BSSID of AP that you associated if you select the "Infrastructure" in the "Operating Mode".

Statistics

The following screen shows various statistics including the Data Packets, Management Packets and Rejected Packets in transmitting and receiving status.

You can click the Clear button to reset Statistics Tab.

Site Survey

The screen shows all the messages of Access Point around your Wireless USB Adapter device. The messages of Access Point include BSSID, SSID, Signal, the Channel used by AP, and enabled the Encryption AP or not.

You can click the Rescan button to find the new AP.

You can double-click the BSSID to choose the AP that you want to connect with.

Advanced

The screen shows the advanced setting of the Wireless LAN Monitor Utility, and it includes Preamble Type, Fragmentation Threshold, and RTS / CTS Threshold. We suggest to use the default settings: Preamble Type: Long.

Click on Submit button to save all the settings.

➤ **802.11 Power Save**

You can set this mode as Power Save to set your WLAN USB Adapter as power saving mode.

Profile

The screen shows the existing profile.

You can create your profile name, just click the "New" button and type the profile that you want to use, otherwise, it will be set to default.

Once you change your setting on the Monitor, the current profile name will appear a "*" sign and the save button on the Profiles will active, then you can save the current setting in the profile name you choose.

Info.

The screen shows the version of Driver, Firmware, MAC address and Application for WLAN USB Adapter Utility / Driver.

