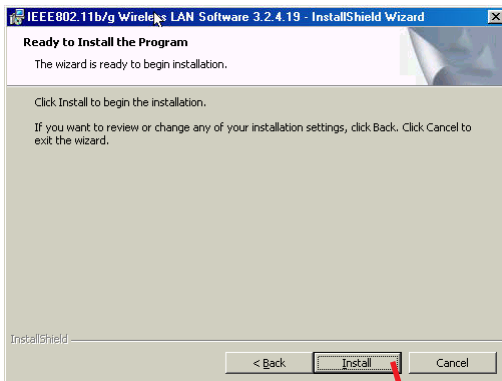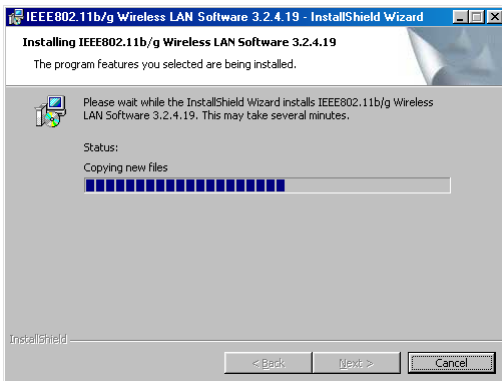**Step 3.** Click *Install* and the program will copy the necessary files to the system. The progress indicator shows the installing status.
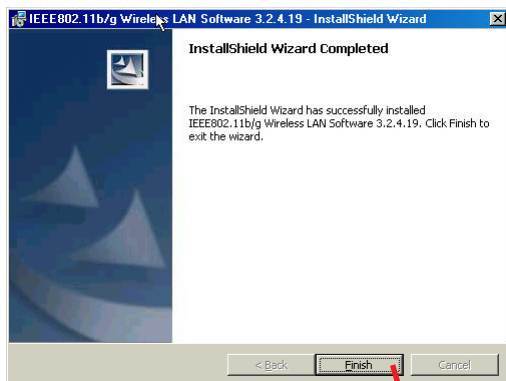
You may be asked to insert the Windows Setup CD during the installation. Please insert the Setup CD by the on-screen instruction to continue the installation.
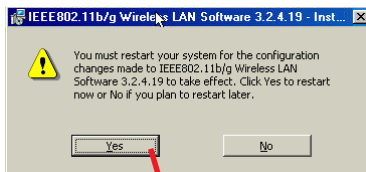
Click

Step 4. When the installation is completed, click *Finish*.

Click

The system will restart. Click *Yes* when prompted to reboot the system.

Click

After rebooting, the **MSI Wireless LAN** icon* appears in the status area.

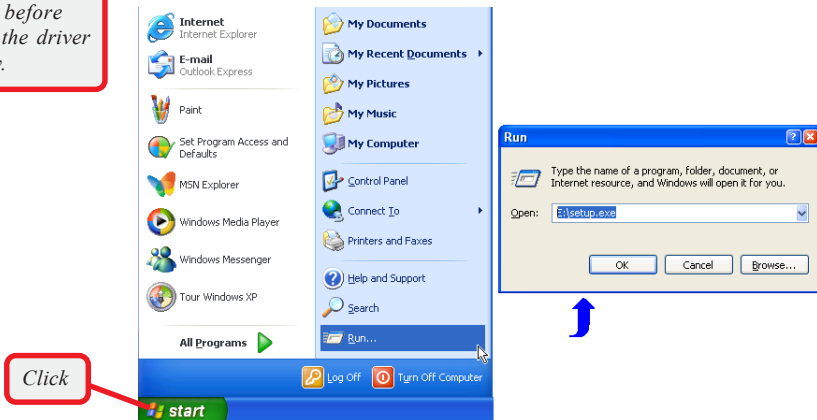** For more information of the MSI Wireless LAN icon, please see section 4-1.*

MSI Wireless LAN icon

>>> 3.2 Installing on Windows® 2000/XP

Step 1. Insert the driver CD into your CD-ROM drive, and the Setup program should launch automatically.

If the Autorun program doesn't launch, click **Start** at the taskbar and select **Run...**; type *E:\setup.exe* in the Open box and click *OK*, where *E* is your CD-drive.

The card should be installed into your computer before installing the driver and utility.
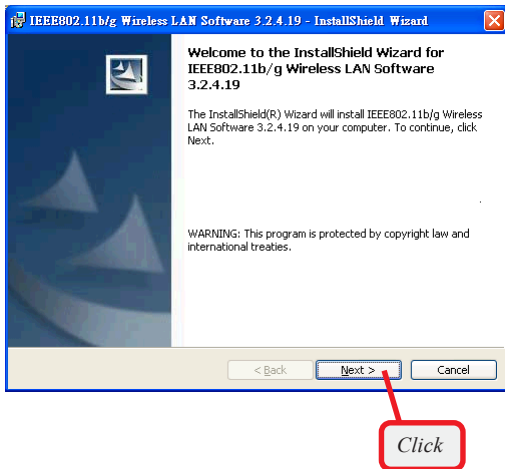

Windows XP

Click the **Install Software** button.

The installation screen of Setup program

Step 2. The welcome screen of InstallShield Wizard appears. Click *Next*.

Click

Read and accept the License Agreement; then, click *Next*.

Check this
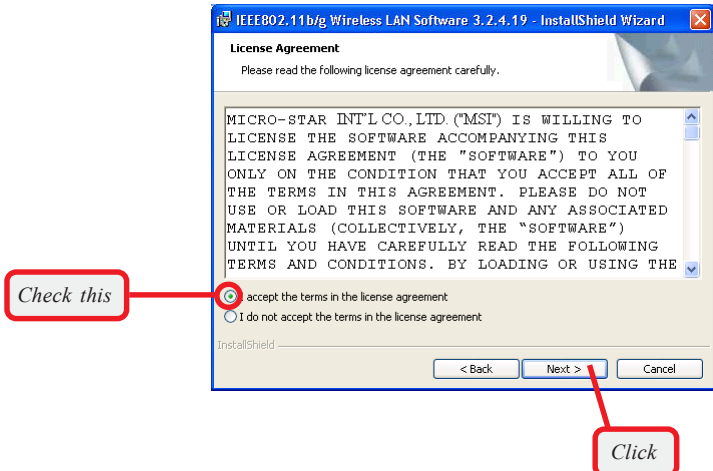
Click

Enter the user's information (*User Name, Organization*) in the respective fields; then, click *Next*.

Enter the user's information
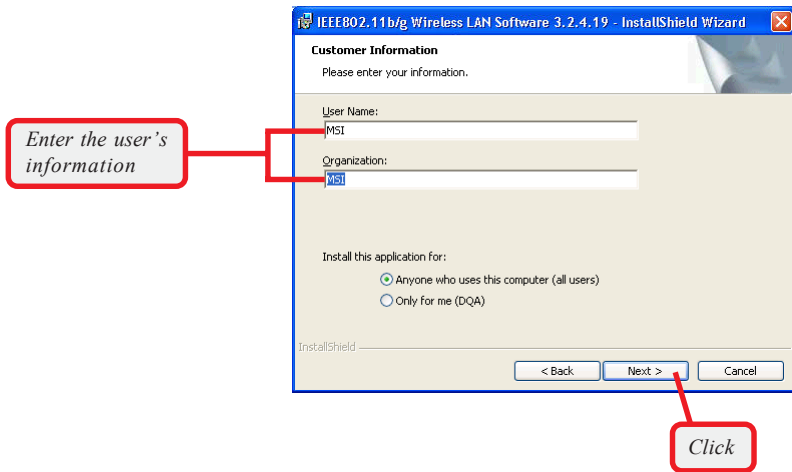
Click

Step 3. Click *Install*. When the installation is completed, click *Finish*.
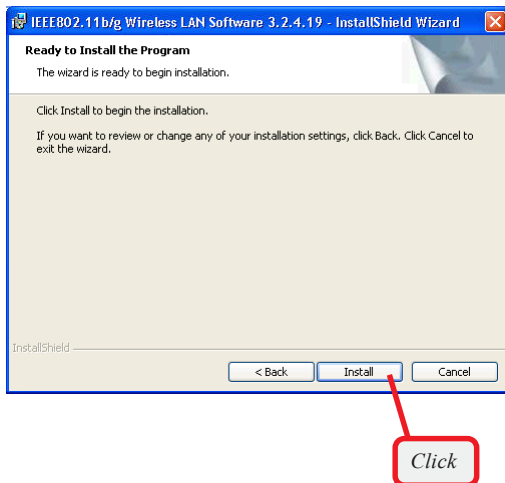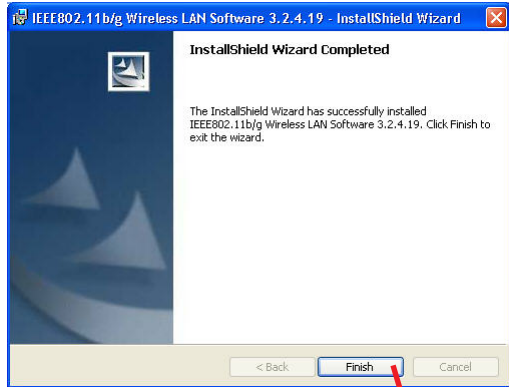
Click

Click

The **MSI Wireless LAN** icon* appears in the status area.

* For more information of the MSI Wireless LAN icon, please see section 4-1.

MSI Wireless LAN icon

④ **MSI Wireless Network Utility**

>>> 4.1 Introduction

After installing the driver, MSI MP54G provides a convenient and powerful utility that allows you to set up, configure, and know your networking status easily and clearly.

The MSI Wireless LAN icon
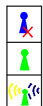
Not connected to the network.

Connected to the network.

Receiving/transmitting data from/to the network.

When you move the mouse over the icon, it shows the current connection information.

> **Wireless Network Connection** ☒
> Connected to: MSI
> Signal Strength: Excellent
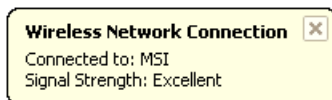
❑ **Right-click** the icon will appear a sub-menu containing more settings:

Language	▶	✔ English
Switch to AP Mode		Traditional Chinese
Open Network Connections		Simplified Chinese
View Available Wireless Networks		
Exit		
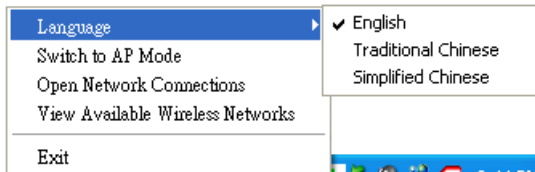
Language
You can select language according to your operating system.

Switch to AP Mode
This function allows you to use your MSI wireless adapter as a virtual access point. For details, see *Appendix, MSI Software AP*.

Open Network Connections
Select to open the Network Connections window.

View Available Wireless Networks
Launch the utility to configure your network settings.

Exit
Close the program.

Click the icon will launch the utility as shown below to configure your network settings.

>>> 4.2 Networking

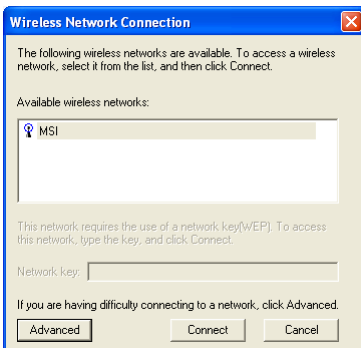Since the wireless NIC is installed in your computer, you have to configure the settings for communication to start working in your network environment.
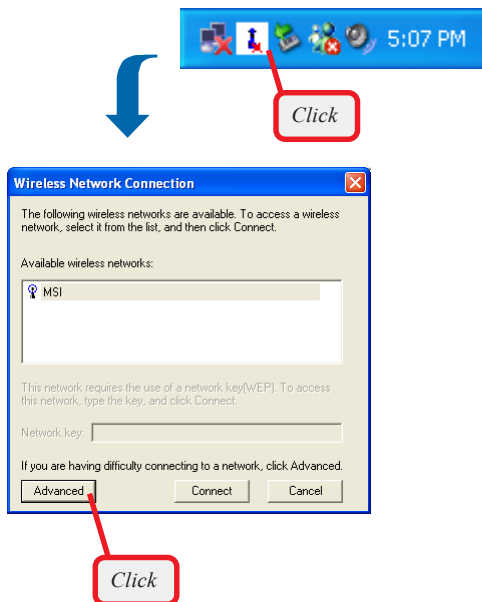
4.2.1 Infrastructure Mode

Infrastructure mode allows your computer to communicate with the other computers in the network through an Access Point. The following tasks should be done before you configure the settings:

-   The Access Point must be turned on.
-   Your computer with wireless NIC installed and the Access Point must be located with the communication range of the Access Point (see the Access Point's manual for details).

To configure the settings:

1.   Click the MSI Wireless LAN icon to bring up the Wireless Network Connection window. Then, click *Advanced*.

Click

Wireless Network Connection

The following wireless networks are available. To access a wireless network, select it from the list, and then click Connect.

Available wireless networks:

MSI

This network requires the use of a network key(WEP). To access this network, type the key, and click Connect.

Network key:

If you are having difficulty connecting to a network, click Advanced.

Advanced   Connect   Cancel

Click

**2.** The Available Networks field contains a list of available Access Points in your network. Choose one network by highlighting it in the list, and click **Configure** to set up the selected network. You can click **Refresh** to search the available Access Points in the network again.
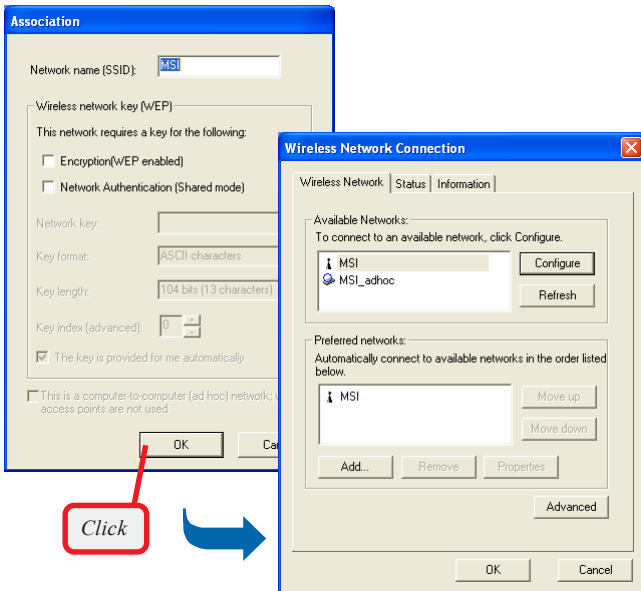

Click
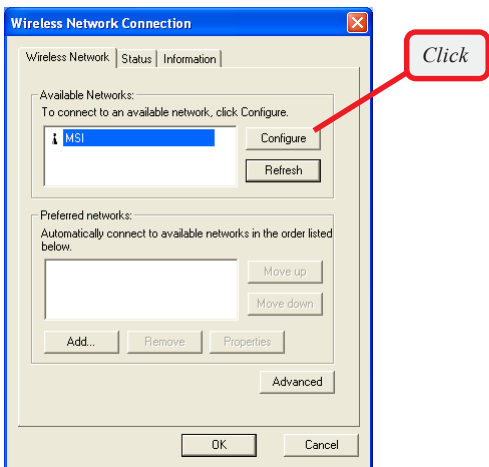
3. Setup the Network Key (if needed) in the Wireless Network Key (WEP) field according to the network's settings.

Only the network administrator can change the SSID and WEP settings in the Association window; if you have problem of accessing the network, please ask the administrator for help.

WEP settings
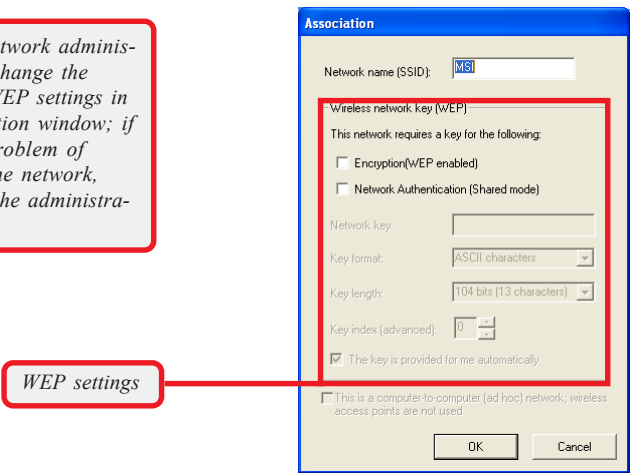
4. Click **OK**. The selected network will appear in the Preferred Networks field. If it contains two or more networks in the list, you can use **Move up/Move down** to set the priority.

Click

5. Click **OK** to complete the configuration, and an icon indicating connected to the network will appear in the status area.

connected

4.2.2 Ad-hoc Mode
Ad-hoc mode allows your computer to communicate directly with any computer installed with compatible wireless NIC. If you want to use the network in Ad-Hoc mode:
- All the computers connected should be set to Ad-hoc mode.
- The computers have the same SSID (network name) setting.

To configure the settings:
  1. Click the MSI Wireless LAN icon to bring up the Wireless Network Connection window. Then, click ***Advanced***.
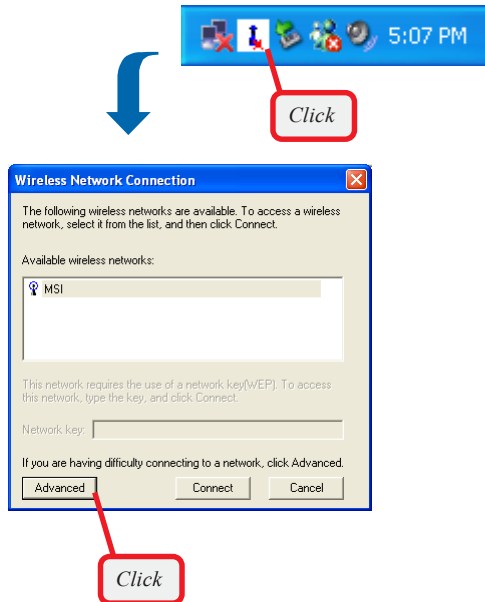
2. You can build up the Ad-Hoc network by clicking *Add...* in the Preferred Networks field.
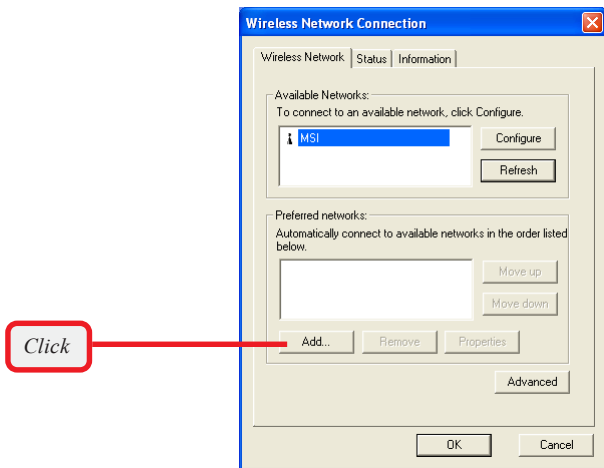
Click

3. Set up the Network Name (SSID) and Network Key (if needed) for the network. Then, check the "**This is a computer-to-computer [ad hoc] network; wireless access points are not used**" option and click *OK* to enable the Ad-Hoc mode.

Enter a Network Name (SSID)

Check this option and cancel the bottom option

IMPORTANT Check this to enable Ad-Hoc mode.
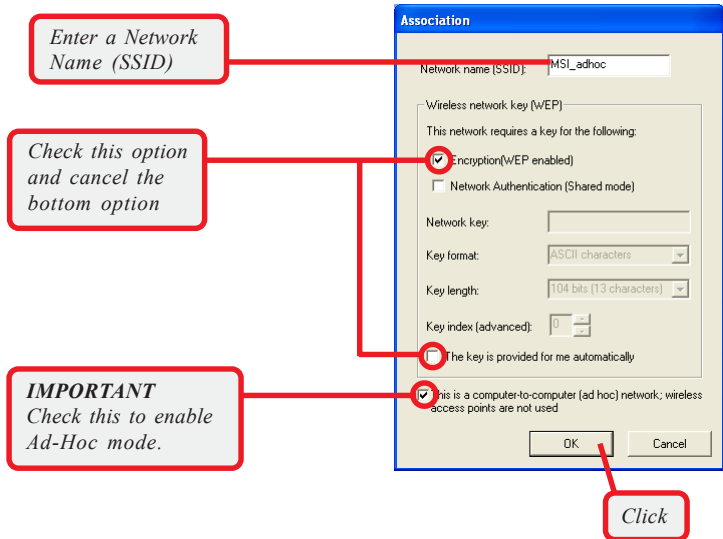
Click

4. The computer set up with this Ad-Hoc network in *step 3* is the designated administrator of the network. Any computer can access the network by selecting *Connect* in the Wireless Network Connection window.
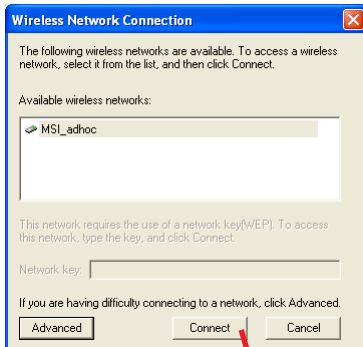
Click

5. Click *OK* to complete the configuration, and an icon indicating connected to the network appears in the status area.

connected

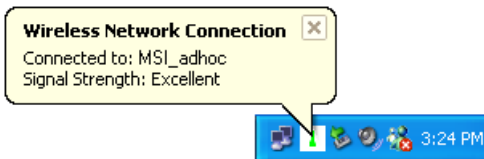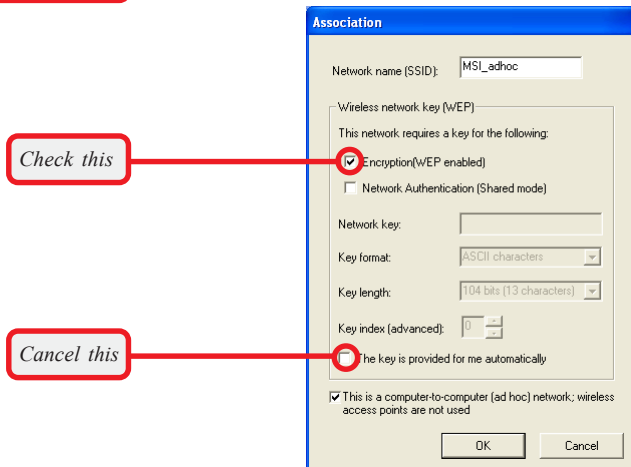## >>> 4.3 Encryption

In the wireless network environment, the administrator can set up password (Network Key) to protect the network from being attacked or unauthorized access. When building the network, you can set up 4 sets of WEP keys, which can be 5 characters (10 hex-adecimal digital) or 13 characters (26 hex-adecimal digital) and specify one of them to use.

*To setup the Network Key, check **Encryption** option first, then cancel **The key is provided for me automatically** option.*

Check this

Cancel this

Association

Network name (SSID): MSI_adhoc

Wireless network key (WEP)

This network requires a key for the following:

☑ Encryption(WEP enabled)

☐ Network Authentication (Shared mode)

Network key:

Key format: ASCII characters

Key length: 104 bits (13 characters)

Key index (advanced): 0

☐ The key is provided for me automatically

☑ This is a computer-to-computer (ad hoc) network; wireless access points are not used

OK   Cancel

Network key
Enter a key for the network.

Key format
You can decide the network key to be encoded by ASCII characters or hexadecimal digitals.

Key length
In ASCII characters format, it can be 5 or 13 characters. In hexadecimal digitals format, it would be 10 or 26 digitals.
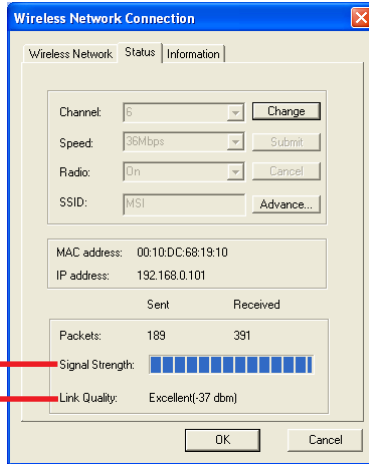
Key index
There can be up to 4 sets of WEP key (1~4). The 4 sets of WEP key must have the identical sequence with the key settings on the Access Point.

>>> 4.4 Status

In **Status** tab, you can configure more network settings.

Signal Strength:
shows the received signal strength level.
Link Quality:
shows the measured signal level and connection status.

Channel
Specify the operating radio frequency channel in Ad-hoc mode, which should be set to the same channel as the other points in the wireless network.

Speed
This field sets the current transmitting rate. The speed should be set to *Auto* rate to optimize performance and range, which will adjust the transfer speed for best performance and longest range automatically.
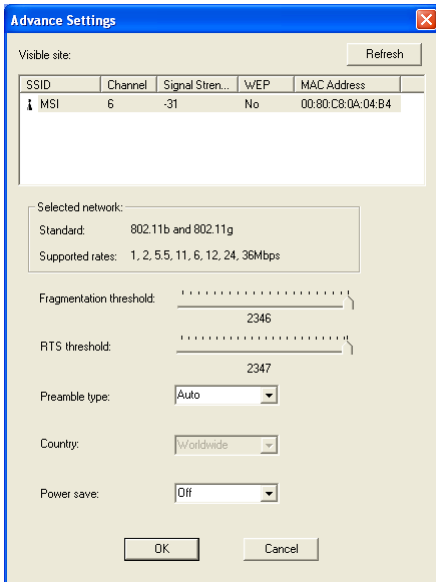
Radio
Set to *On* to activate the radio.

SSID
Means Service Set Identifier, a unique name shared among all points in a wireless network. It must be identical for all points in the network. Then the card will be able to connect to an access point with the same SSID.

Click *Advance*, and you can get more information about the LAN traffic status and more detailed settings.

It is not recommended to change these settings if you are not familiar with the advanced configuration.

Fragmentation Threshold
You may set the length of the fragment in this field. Please note that each fragment should not be larger than the Fragmentation Threshold.

RTS/CTS Threshold
You may set the length threshold.

Preamble Type
You may set the length of preamble in this field. Setting options are: *Long* - it is set to 144 bits. *Short* - it is set to 72 bits. *Auto* - The card supports an auto-detection feature, it automatically selects the *Preamble Type* depending on the Access Point Preamble Type if this option is selected.

Country
Select one option according to your location you are in. The options are: **Worldwide 1-13**, **Japan 1-13**, and **USA 1-11**. The default setting is **Worldwide 1-13**.

Power save
The card will turn into power save mode when idle.

>>> 4.5 Information

In **Information** tab, you can get some information about the manufacturer, hardware and software.