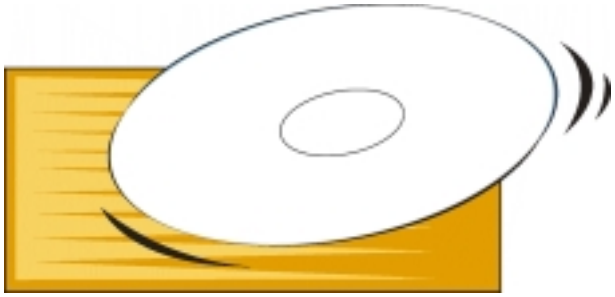
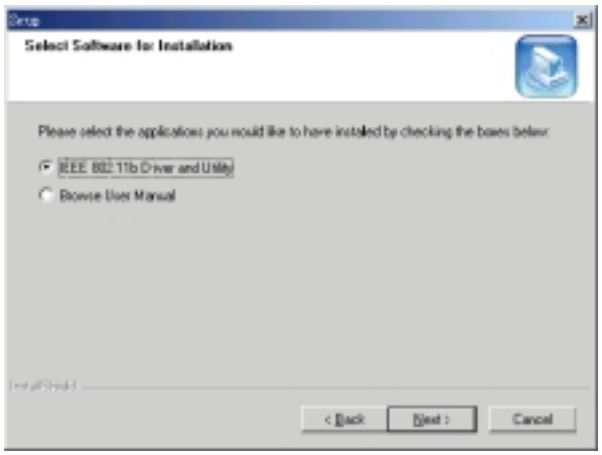
2. Quick Start Guide

If you are familiar with computer networking, this Quick Start Guide is the fastest way for you to establish your wireless network.

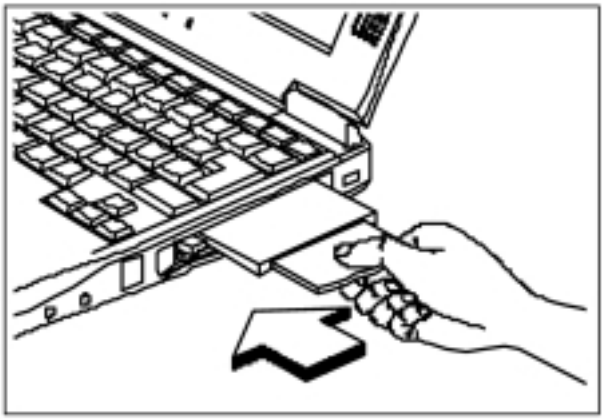
If you need more information than this Quick Start Guide can provide you, the next chapter, Step-by-Step Installation Guide, will run you through the necessary steps.

1. 

Insert the CD provided into your CD ROM drive and it will automatically start the setup program.

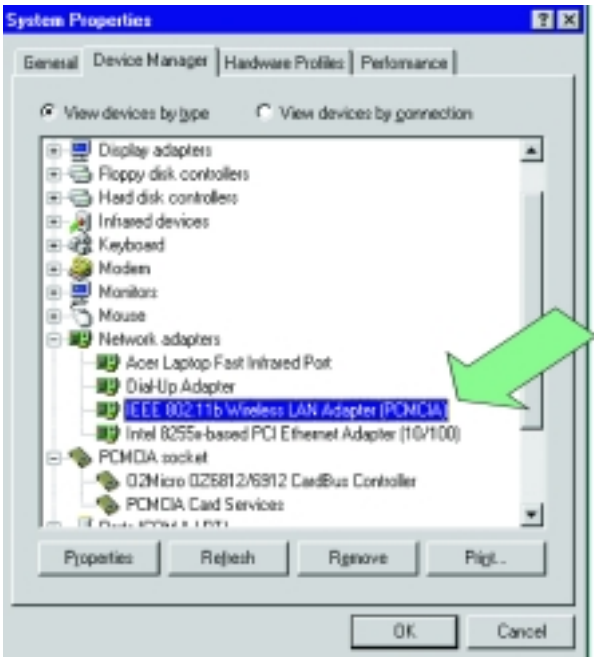
2. 

Follow the installation wizard to complete the software installation process; restart your notebook when the process is finished.

3. 

Insert the IEEE802.11b WLAN PC Card into the PCMCIA slot of your notebook after restarting the notebook.

4.



The operating system will detect the IEEE802.11b WLAN PC Card and install the proper drivers automatically.

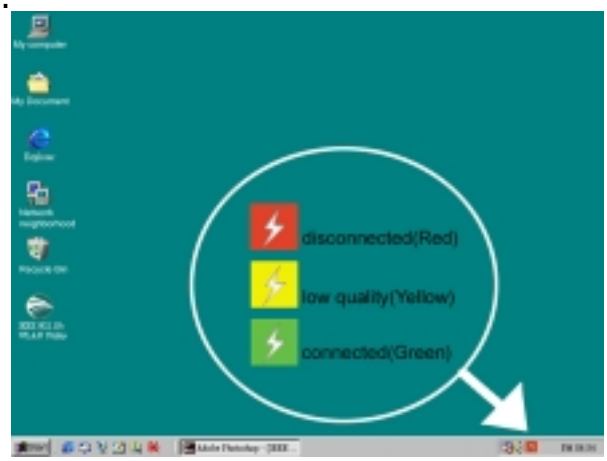
You may check the status by the following procedures:

My Computer→Control Panel→System→Device Manager→Network Adapters

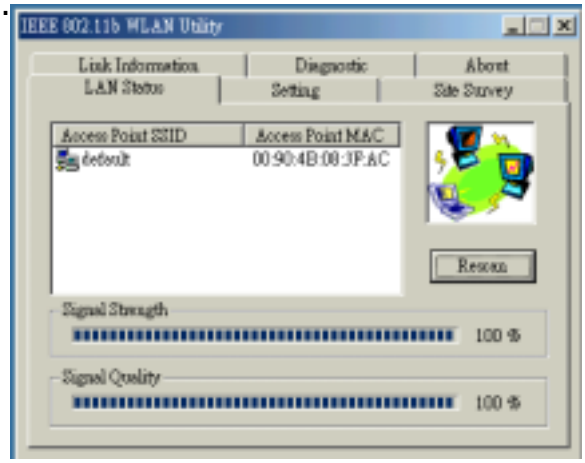
5.

Double click the WLAN icon on the desktop after the installation, and you will find a small icon in the toolbar at the bottom of the screen.

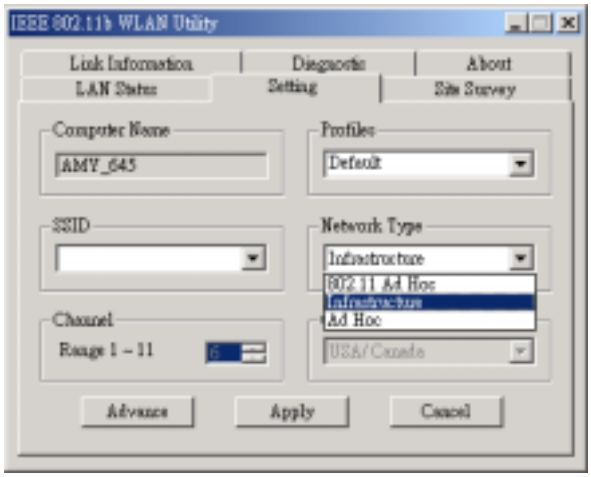
6.



This icon indicates the communication status: if it is green, it means well connected— please go on to step 8; if it is red, it means connection failed— please go on to step 7.

7. 

Double click the status icon and then click “LAN Status” tab. Please push the “rescan” button and then return to the main screen. If the status turns green, then go on to step 8. If it remains red, please repeat the installation process from step 1.

8. 

Double click the status icon and then select the “Setting” tab. Please choose “Infrastructure” mode and type a name in the SSID column (This SSID should be the same as the network ID of your Access point). Or, if you would like to connect with other stations without an Access Point, please select “802.11 Ad Hoc” mode or “Ad-Hoc” mode (we recommend “802.11 Ad Hoc” for compatibility with all IEEE802.11 protocol compliant products).

9. 

Click “Apply” and enjoy surfing the Internet.

3. Step-by-Step Installation Guide

3.1 Over View

This chapter introduces you to a step-by-step process in installing your IEEE802.11b WLAN PC Card and its driver.

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

A. Install the software by using the installation CD. (See 3.2)

B. Install (insert) the wireless LAN card. (See 3.3)

C. Set basic parameters. (See 3.4)

D. Install the required network protocols to communicate with your network—mainly, the TCP/IP protocol and NetBEUI Protocol.

As this product is designed to run under Microsoft Windows compatible operation systems*, it is recommended that people who are familiar with the installation procedures for network operating systems under Microsoft Windows operate the installation process.

*Compatible Microsoft Windows operation systems include Windows 98SE, Windows Me, Windows NT4.0 with Service Pack 3 or later and Windows 2000.

3.2 Install the IEEE802.11b WLAN Utility/ Driver

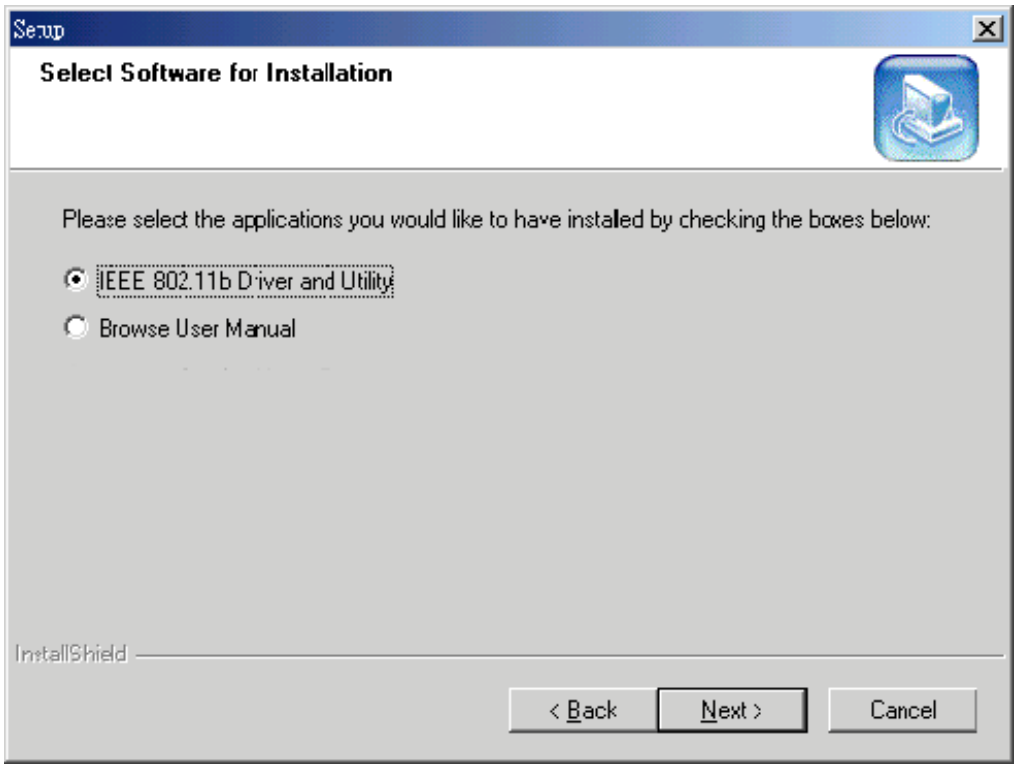
Please install the IEEE802.11b WLAN Utility/Driver first before inserting the IEEE802.11b WLAN PCMCIA Card.

Insert the IEEE802.11b WLAN installation CD into your CD-ROM drive. The setup program will then automatically start. You can select the following applications you want to install.

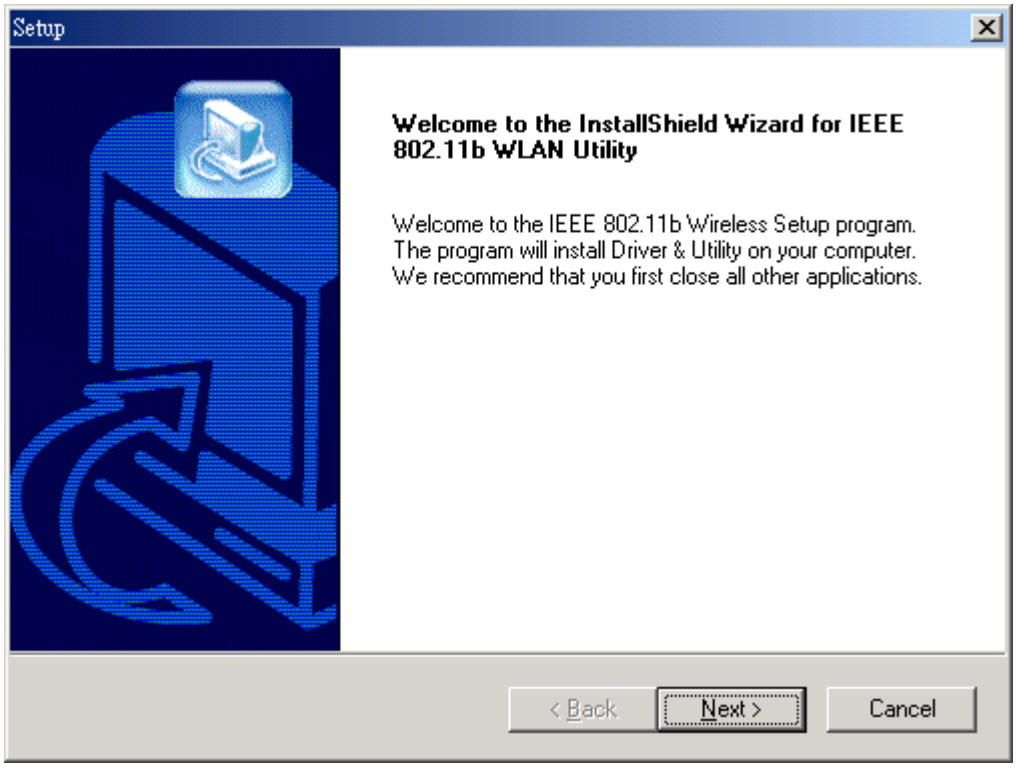
A. Install IEEE802.11b Driver and Utility

B. Browse User Manual

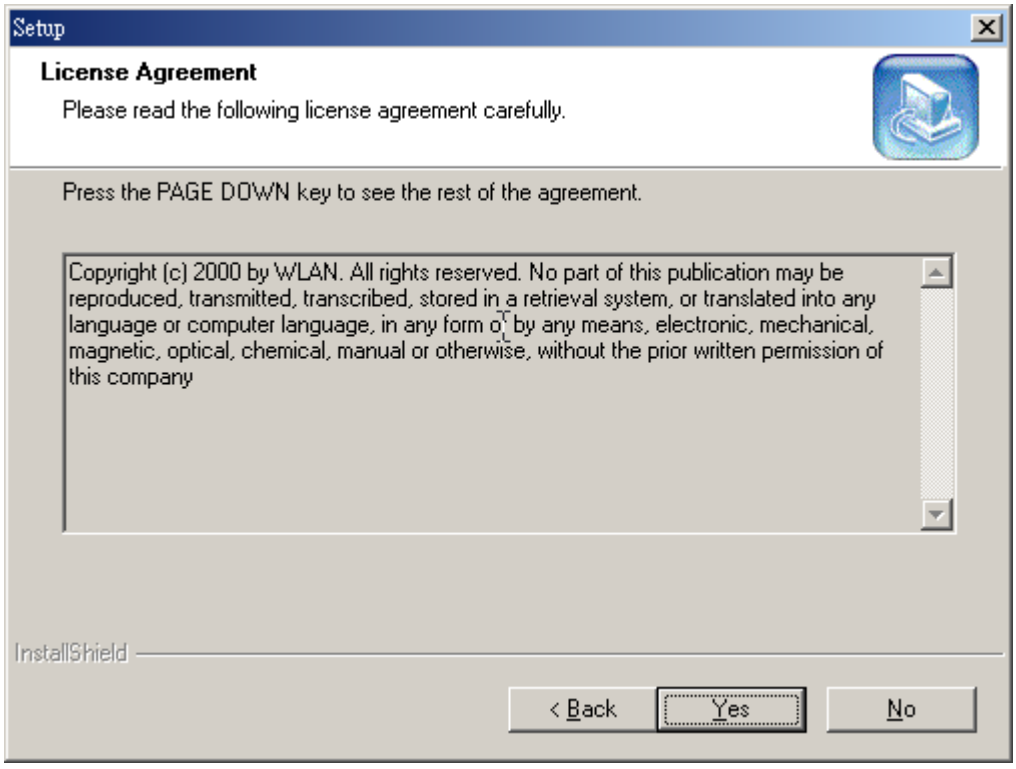
Make sure you have selected “Install IEEE802.11b Driver and Utility”; then click “Next”.



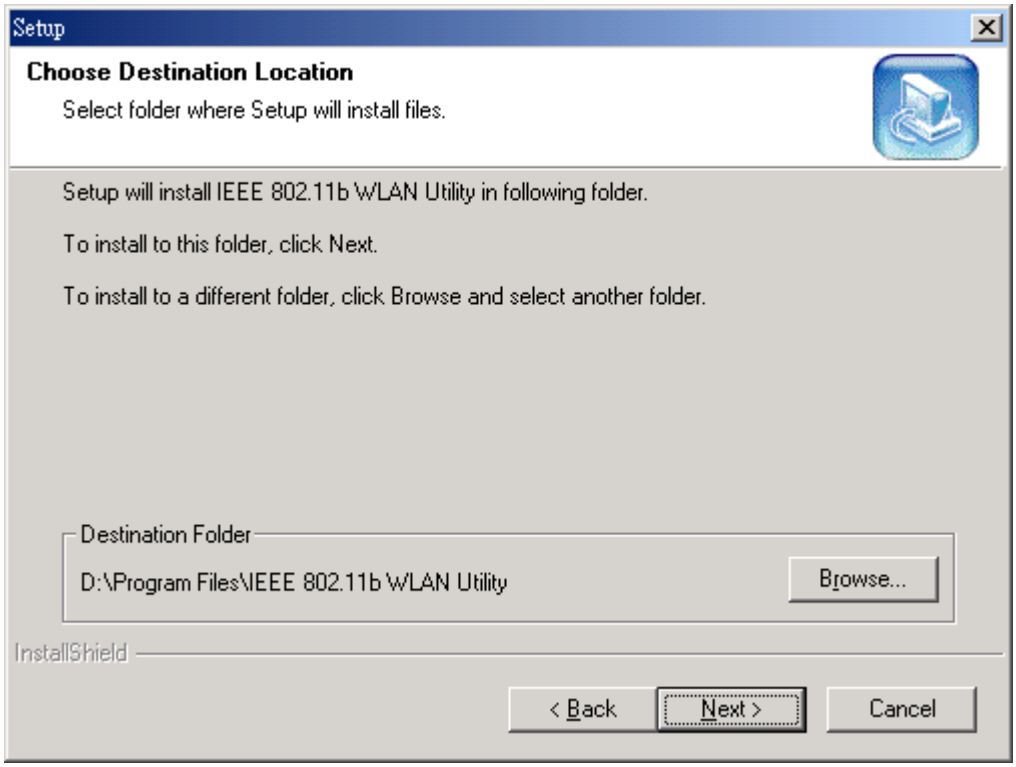
1. When the “Welcome” screen appears click on ”Next”.



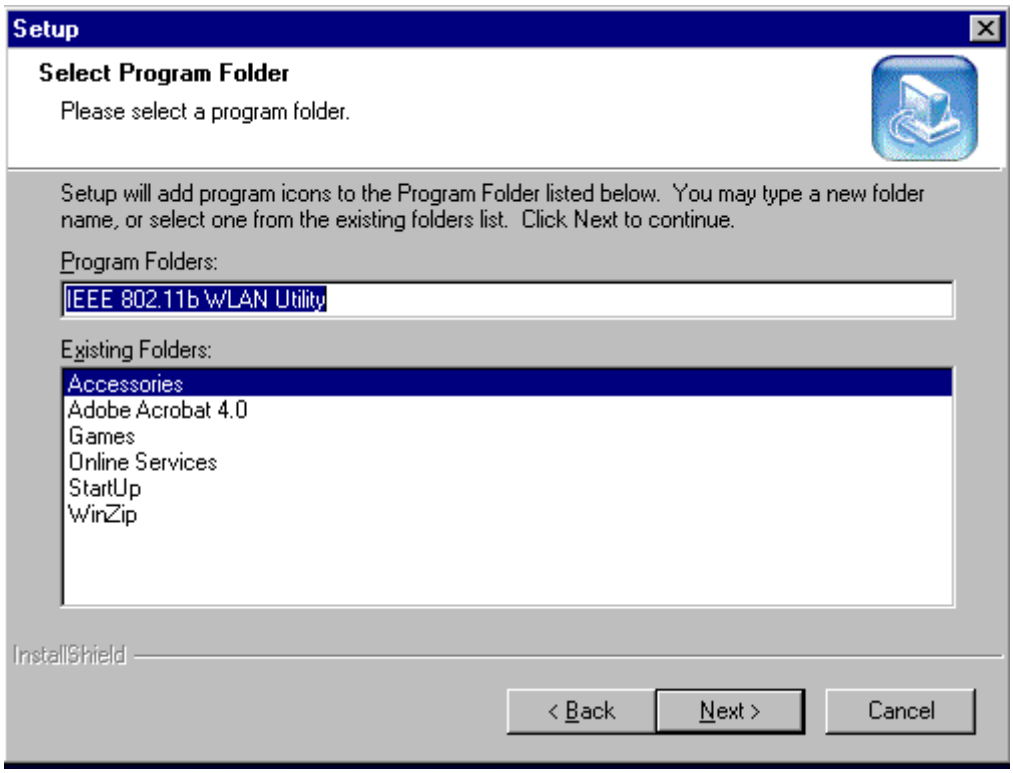
2. Please carefully read the “Software License Agreement“. If you accept the contract, click “Yes“ to move to the next screen. If not, click “No“ to exit.



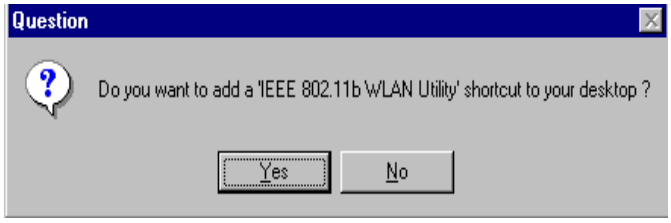
3. The default destination folder is displayed in the setup dialog box. To change the default folder you can click “Browse” to set the destination folder. Click “Next” to go to the next screen.



4. Select the Program Folder for IEEE802.11b WLAN Utility and click “Next”.



5. You will be asked if you want to add an IEEE802.11b WLAN Utility shortcut to your desktop. Click “Yes”.

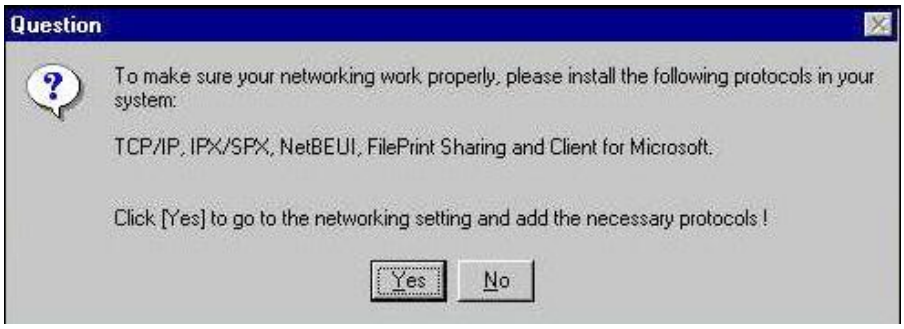


6. The user manual is published in Portable Document Format (PDF). If Acrobat Reader does not exist in your system, the following message will appear. Please follow the instructions to complete the Acrobat Reader 4.05 installation.

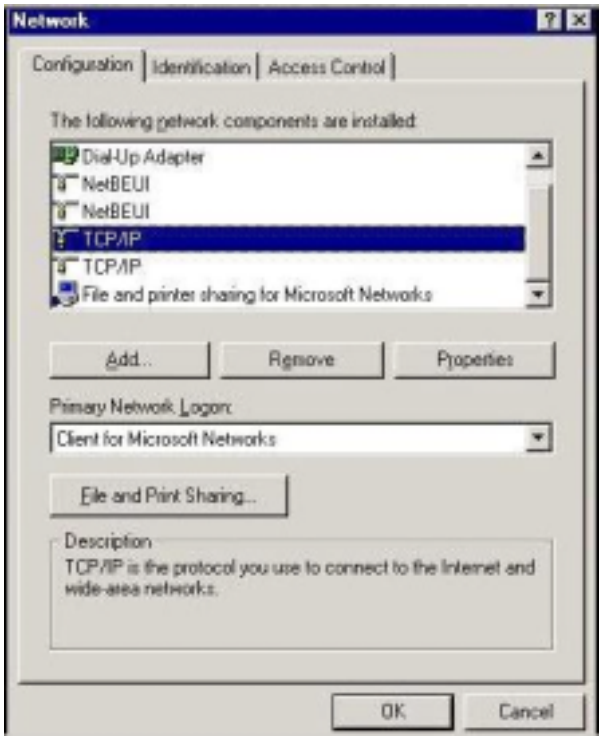
7. Once the Acrobat Reader installation has been completed, the following page will appear reminding you to install the Microsoft network protocols for your IEEE802.11b WLAN to work properly.

   A. If you know the required network protocols are installed on your system, click “No” and go to Step 9.

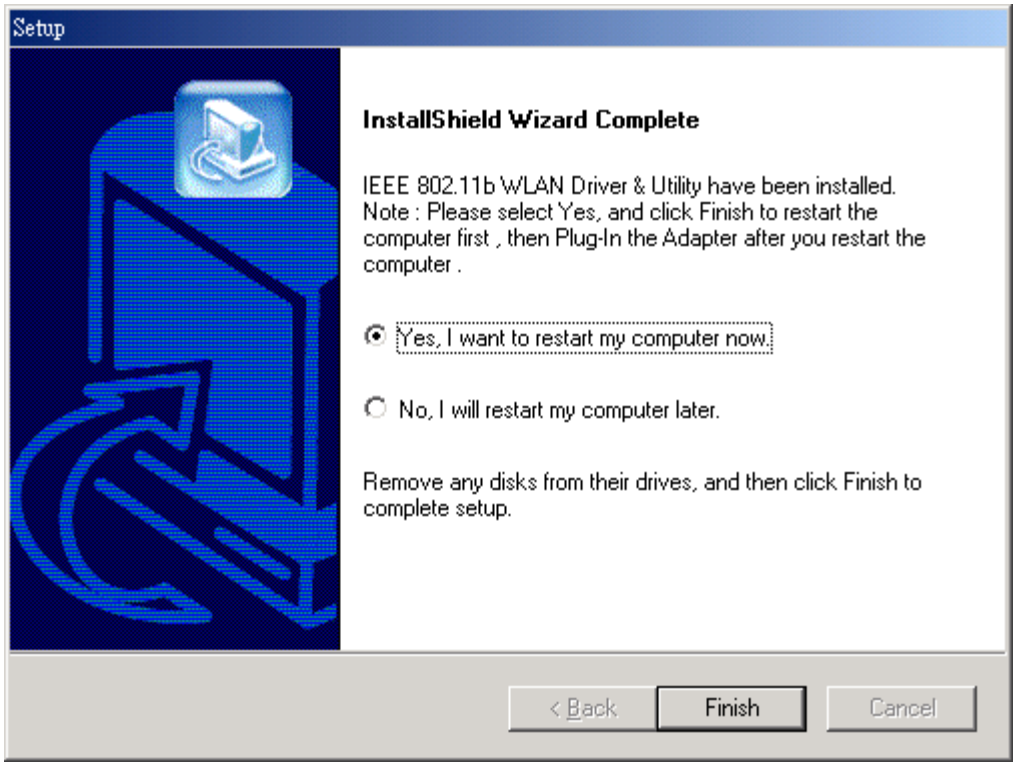
   B. If you are unsure, click “Yes” and refer to Section 7.2 for the Microsoft Network Checklist and go to Step 8.



8. The “Network“ page will appear if you click on “Yes” in the previous screen. You can add the necessary protocols by clicking “Add” button. Please refer to Section7.2 Microsoft Networking Checklist for the proper items to install. After adding the protocols, you will be prompted to reboot the system—please click “No” and go to Step 9.



9. The Driver and Help files will be copied to the system. Wait for the setup program to finish the IEEE802.11b WLAN installation. Then select “Yes” and click “Finish“ to complete the installation. It is recommended you close other applications before rebooting your system.

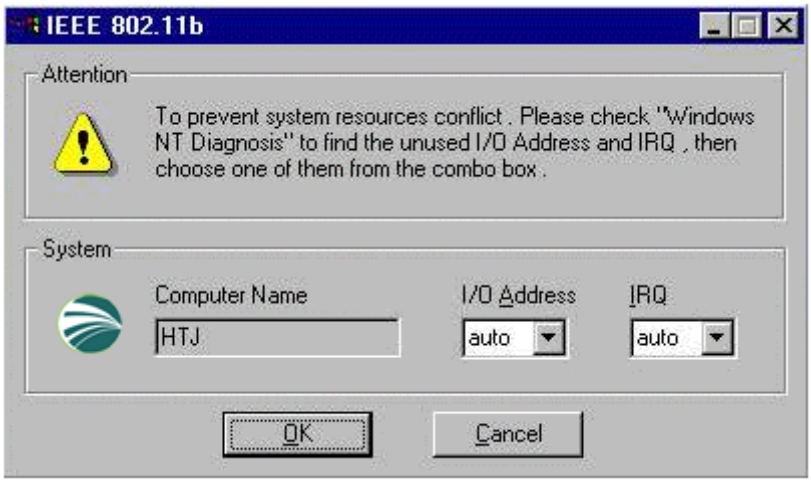


10. You have finished installing the software portion of the IEEE802.11b WLAN PC Card, please refer to Section 3.3 and follow the rest of those installations to complete the entire installation process.

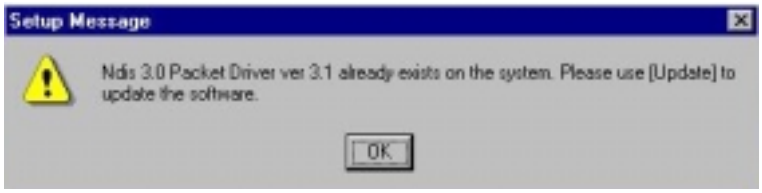
Additional Note for Windows NT4.0

The installation procedure under Windows NT4.0 will be slightly different from the previous Windows 98SE installation shown.

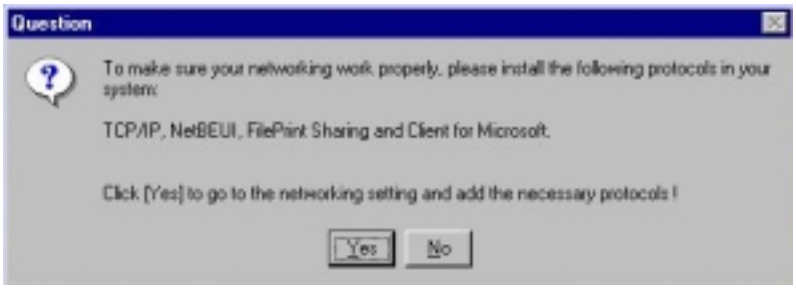
1. Click “OK” and system will auto-select the I/O address and the IRQ, and remind you to choose the unused I/O address and IRQ from Windows NT Diagnosis to prevent system resource conflict.



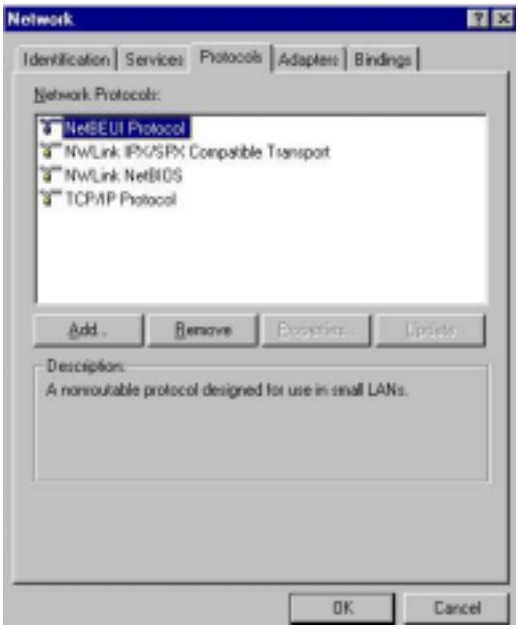
2. If the Ndis 3.0 packet driver already exists in your system, the setup message will be prompted as follows, just click “OK”.



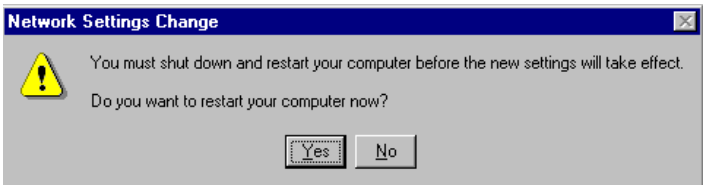
3. A prompt of networking setting will appear as follows. It’s the same as Windows 98SE operating system. Click “Yes” if you need to install “Microsoft Network Protocols”. Refer to Section 7.2 “Microsoft Network Checklist” for more details.



4. The Network properties page will appear automatically on the screen if you click “Yes” in the last step and add the necessary protocols, then click “OK”.



5. The Microsoft TCP/IP setting page will be prompted next. You can use DHCP or manually set the IP address. The related Microsoft Networking setting is like Windows 98SE.



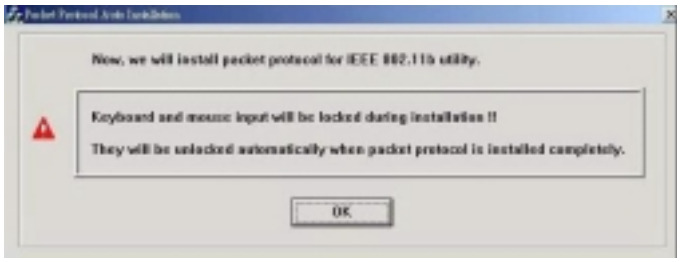
6. Click “Yes” and insert the IEEE802.11b WLAN PC card before system reboot.

Additional Note for Windows 2000 to install Packet Protocol

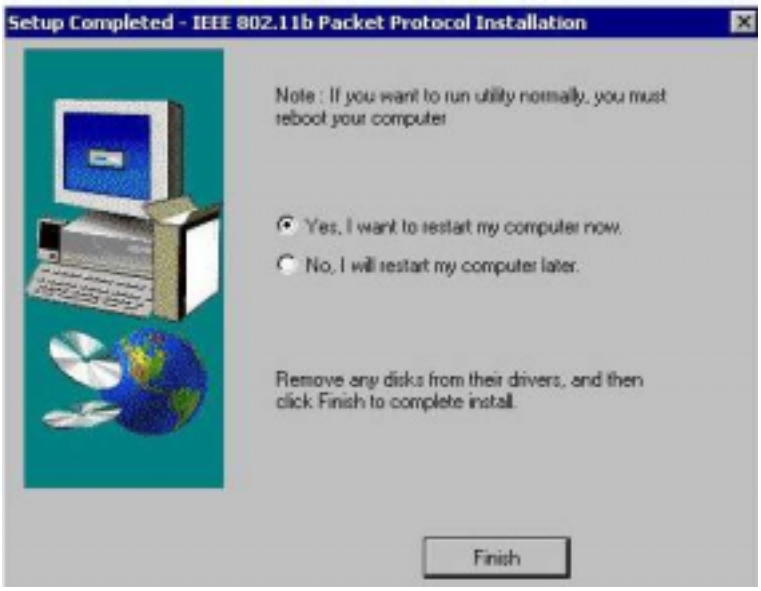
You should add the Packet Protocol under Windows 2000, if the Packet Protocol does not exist in your system. The installation procedure will be slightly different from the Windows 98SE installation. A message will be prompted to guide you to auto-install the Packet Protocol. Follow the on–screen instructions as listed below to complete the IEEE802.11b WLAN Utility and driver installation.

1. Please insert the IEEE 802.11b WLAN PC Card (refer to section 3.3). After the installation is completed, click on “Yes”.

2. If your IEEE802.11b WLAN PC Card installed successfully, you will enter the “Packet protocol Auto Installation“ frame, click on “OK“ and system will auto-install the Packet Protocol.



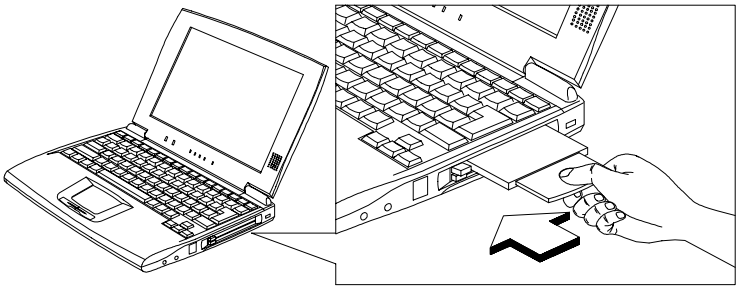
3. If the Packet Protocol installed successfully, you will need to reboot your system.



4. If the Packet Protocol installation has failed, a message will be prompted as follows. Click “OK” to continue.

5. Windows 2000 will prompt you to install the Packet Protocol. Follow the procedures shown to complete the Packet Protocol installation and then click “OK”.

3.3 Install the PCMCIA Card



1. The IEEE802.11b WLAN driver and utilities are included on the accompanying installation CD. Please follow the installation procedures in Section 3.2 “Install the IEEE802.11b WLAN Utility/Driver”. (Your PCMCIA card will not work properly if the driver and utilities are not installed correctly.)

2. Make sure that there is an empty PCMCIA slot for the IEEE802.11b WLAN PC card. Insert the PC Card and then the system will automatically start.

If you are asked to insert the “Windows 98SE CD-ROM” during the installation, insert your “Windows 98SE CD-ROM” and click “Yes”. Once the setup task is completed, the “Microsoft Internet Explorer” should start up. Please close it.

3. When the PCMCIA card setup task is completed, you need to start the IEEE 802.11b WLAN Utility. To start the utility, please refer to the Section 3.4 “Utility Start-up Configuration”.

3.4 Utility Start-up Configuration

IEEE802.11b WLAN PC Card has its own management software. Users can control all of the PC Card's function by using the application named IEEE802.11b WLAN Utility.

The Utility icon will appear in the working bar by clicking the IEEE802.11b WLAN Utility shortcut on your desktop.

The definition of the color of the Utility icon is as follows:

 Connected (Green)

 Low quality (Yellow)

 Disconnected (Red)

 *To open IEEE802.11b Utility, double click the shortcut on the desktop.*

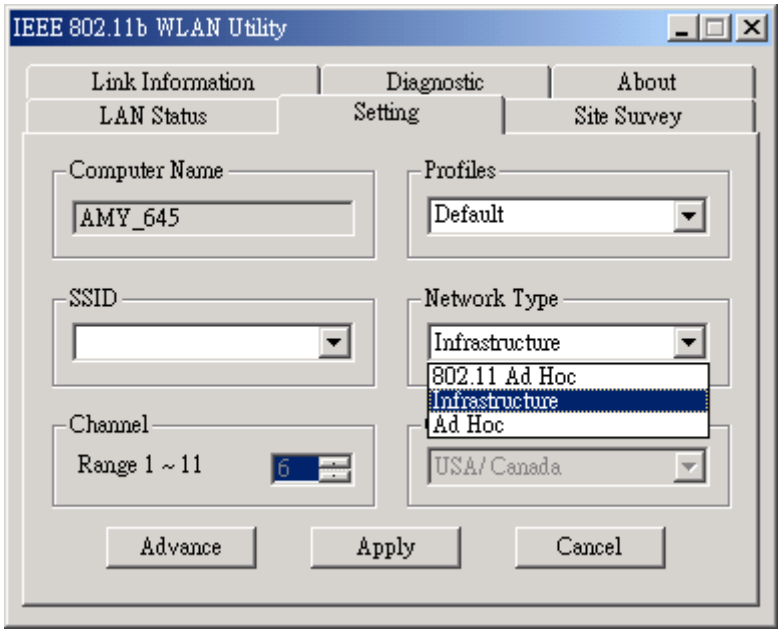
3.4.1 Set Basic Parameters

3.4.1.1 Basic Setting for Infrastructure Mode

If you want to connect with an Access Point, please follow the process below:

1. Select the “Setting” tab
2. Select the Network Type as ”Infrastructure”
3. Select the correct SSID
4. Press the “Apply” button.

- **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. Note that the SSID will be case sensitivity.
- **Channel:** If the Mode is Infrastructure, this parameter will not be active.



3.4.1.2 Basic Setting for 802.11Ad Hoc Mode/Ad Hoc Mode

If you have more computers and only want to place them in a local area network, or you want to communicate directly without using an Access point or any connection to a wired network, then you can select the “802.11 Ad Hoc” Mode or “Ad Hoc” mode on your WLAN Utility.

“802.11 Ad Hoc” is the official standard set by IEEE Organization whereas “Ad Hoc” is a pre-standard. Therefore we recommend you to select the “802.11 Ad Hoc” mode.

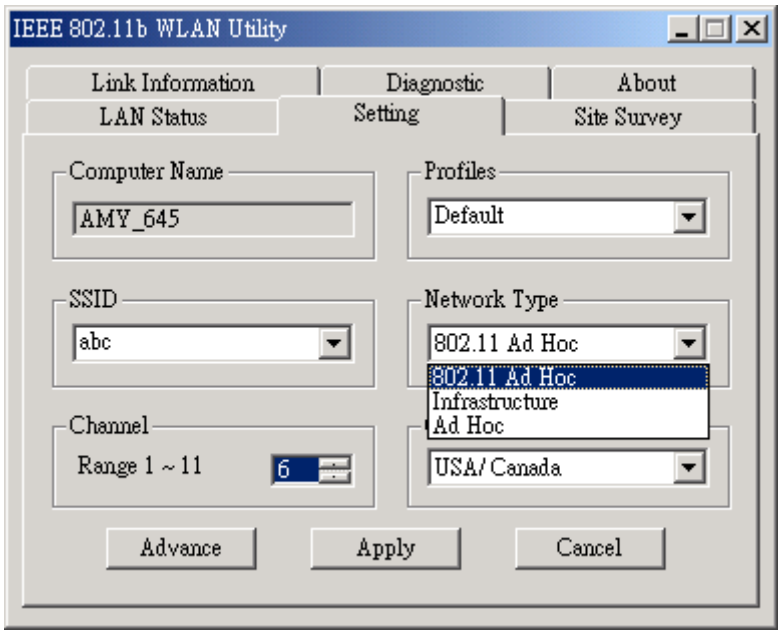
Please note that “802.11 Ad Hoc” mode and “Ad Hoc” mode are not compatible. If you select the “802.11 Ad Hoc” mode, then all computers of your workgroup should be set as the “802.11 Ad Hoc”—vice versa with the “Ad Hoc” mode.

A. 802.11 Ad Hoc

Please follow the procedures below to set the “802.11 Ad Hoc”:

1. Select the “Setting” tab.
2. Select the Network Type as “802.11 Ad Hoc”.
3. Type in the SSID, which you want to use in your 802.11 wireless LAN.
4. Press the “Apply” button.

- Every member of your peer-to-peer network must set to the same SSID, which should be case sensitive.



You must select a SSID if you use the 802.11 Ad hoc. If you do not type a SSID, the following warning message will appear.

If you are unable to connect with other brands of IEEE 802.11b devices using the “802.11 Ad Hoc” mode, please try the “Ad Hoc” mode. The next section will show the basic setting of the “Ad Hoc” mode.