Quick Installation Guide

This Installation Guide will lead you through the installation of Cardbus/PCI 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. Configure the Wireless Configuration Utility.

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 the Driver and Wireless Utility for *Windows 98, ME, 2000 and XP*

1. Insert the Cardbus/PCI Adapter Driver & Utility CD-ROM into computer's CD-ROM Drive and it will automatically run a setup menu and install the driver and the utility. In some specific setting on Windows system, you may need to proceed the software manually, go to your Windows Start menu and choose Run, type "D:\Utility\Setup.exe" in the dialog box (D:\ will depend on where your CD-ROM drive is located) and click OK.
2. The InstallShield Wizard screen will appear. Click Next to continue.
3. After finish the installation, plugged in the Cardbus/PCI Adapter, you will see the Wireless Configuration Utility icon on the Windows task bar.

Wireless Utility

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

The Utility includes seven tabs: Status, Configuration, Advanced, Profile, Network, Statistics and About.

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 -> IEEE 802.11g Wireless Cardbus/PCI 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.

Status

The Status screen shows you the status of the Cardbus/PCI Adapter, it shows that where the device is connected to, the Network mode, the Channel, the transmit rate and the encryption mode.

Configuration

➢ Network Mode:

If you want to connect with Access Point, please set the mode as" Infrastructure" mode. If you have more stations and need to link these stations each other without using an Access Point, set the network type as " Ad-Hoc" mode.

➢ Network SSID:

SSID is the group name that will be shared by every member of your wireless network .All the SSID must be the same among stations so that computers can communicate within the local LAN properly.

The default setting for the SSID will be "ANY", it will detect the strongest signal of the AP around you.

➢ 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.

Encryption

You may desire an additional measure of security in your wireless network, which can be achieved by using the Encryption function, WEP-Key, WEP-Passphrase and WPA-PSK.

WEP-Key: WEP (Wired Equivalent Privacy) relies on a secret key that is shared between a mobile station and a base station (Access Point).

WEP-Passphrase: the Passphrase in the dialog box helps you to create a group of WEP key in the Key Setting.

➢ Default Key, Key Length and Key Format:

You can type the key that you want to use from Key#1 to Key #4, and the key that you type will be the encryption between the station that you connected with, if you select 64bit in Hex format, you must type 10 values in the following range (0~F, hexadecimal), or 64bit in ASCII format, you must type 5 alphanumeric values in the field. Besides, if you select 128bit in Hex format, you must type 26 values (0~F, hexadecimal), or 128bit in ASCII format, you must type 13 alphanumeric values in the field.

Be sure that the Wireless Adapter and the wireless station were set in the same key.

WPA-PSK: WPA-PSK (Wi-Fi Protected Access pre-shared key) is a simpler version that does not support 802.1x and requires a separate RADIUS server for mutual authentication.

Enter a Passphrase in the WPA-PSK dialog box. This passphrase must be the same on each computer that is connected to the wireless network.

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

Advanced

The Advanced settings help you to control the Cardbus/PCI Adapter to adjust with wireless devices in certain environment.

Profile

The Profile section allows you to set values for all parameters by selecting a previously defined profile. Type a name in the Profile Name field to create a profile, click Save and click Apply when a profile is done. You can click Delete if the profile is no longer used, to activate other profile, choose a profile name in the Profile Name field and click Activate.

Network

The screen shows all the Wireless devices around your Cardbus/PCI Adapter. The information of the wireless devices includes the SSID, MAC Address, Channels, Signal, the WEP type and the Network mode.

You can click the Rescan button to find the new wireless devices, and double-click the device to choose the wireless station that you want to connected with.

Statistics

The Statistic section shows the real-time transmit and receive packets of the Wireless LAN.

About

The About section shows the Device Name, Regulatory Domain, Driver Version, Firmware Version, MAC Address and the Utility version of the Wireless LAN.

Checking you connection

1. Check the LED indicators of the Cardbus/PCI Adapter.
2. Check the icon that appears in the Windows taskbar.
3. Check if the SSID is the same between the linking stations.
4. Check if the security key is the same between the linking stations.
5. Check between the linking stations if it is set on the same the IP network.

Notice: Check the User's Guide attach in the CD-ROM for detail information.