

# Quick Installation Guide

This Installation Guide will lead you through the installation of your Ultra Series Wireless PC Card / Wireless PCI Adapter and 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 under Windows 98, Windows Me, Windows 2000 and Windows XP. The installation procedure for each operating system is similar.

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

1. Insert the Driver & Utility CD-ROM into your computer's CD-ROM Drive and it will automatically run a setup menu and install the driver and the utility.
2. In some specific situations, you may need to install the software manually; if so, 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..
3. The Install Shield Wizard screen will appear. Click Next to continue.
4. After installation has finished, plug in your Wireless device ie PC Card or PCI Adapter; you will see the Wireless Configuration Utility icon on the Windows task bar.

## Wireless Utility

This application provides controls for your Wireless device. To launch, 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 PC Card/PCI Adapter" and then click on "Properties".
3. Click on "IP Address"
4. Click on "Specify an IP Address" and make sure it has the same net ID and subnet ID as all the connected computers.

## Status

The Status screen shows you the status of your wireless device. It shows where the device is connected, the Network mode, the Wireless Channel, the transmit rate and the encryption mode.

## Configuration

### ➤ Network Mode:

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

### ➤ Network SSID:

The SSID is the name that will be shared by every member of your wireless network. All the SSIDs must be the same among stations so that computers can communicate within the local LAN properly. The default setting for the card's SSID will be "ANY" which must be changed to the SSID of the local network. It will detect the strongest signal of any Access Point in proximity.

### ➤ Channel

"Channel" shows radio channel numbers that can be 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.

### ➤ Security

This function is used to protect wireless communication from eavesdropping and unauthorized access to a wireless network. Click the Enable Encryption to activate the security of your Wireless device.

### ➤ Key Setting #1 ~ #4:

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 are connected to. If you select 64bit in Hex format, you must enter 10 characters in the following range (0~F, hexadecimal); if you select 64bit in ASCII format, you must enter 5 characters in the following range (0~9, A~Z and a~z Alphanumeric).

If you select 128bit in Hex format, you must enter 26 characters in this range: (0~F, hexadecimal), or 128bit in ASCII format, you must enter 13 characters in the following range (0~9, A~Z and a~z Alphanumeric).

If you select 256bit in Hex format, you must enter 58 characters in the range (0~F, hexadecimal); or 256bit in ASCII format, you must enter 29 characters in the following range (0~9, A~Z and a~z Alphanumeric). Be sure that the Cardbus/PCI Adapter and the wireless station are set in the same key. *After all the settings are completed, click "APPLY" to save the setting.*

## Advanced

The Advanced settings provide further customisation options.

## Profile

The Profile tab 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 another profile, choose a profile name in the Profile Name field and click Activate.

## Network

The screen shows all the Wireless devices around your Wireless PC Card /Wireless PCI Adapter. The information about 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 connect to.

## Statistics

The Statistic section shows the real-time transmit and receive packet records 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 your connection

1. Check the LED indicators of your Wireless device.
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 on the CD-ROM for more detailed information.**

updated 11.08.04