User Manual

11Mbps Wireless LAN PC Card

Version 1.1- September 2000

CC&C

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INFORMATION TO USER

FCC INFORMATION

The Federal Communication Commission Radio Frequency Interference Statement includes the following paragraph:

The equipment has been tested and found to comply with the limits for a Class B Digital Device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communication. However, there is no grantee that interference will not occur in a particular installation. If this equipment dose cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

--Reorient or relocate the receiving antenna.
--Increase the separation between the equipment and receiver.
--Connect the equipment into an outler on a circuit different from that to which the receiver is connected.
--Consuit the dealer or an experienced radio/TX technician for help.

The user should not modify or change this equipment without written approval form CC&C Technologies, Inc. Modification could void authority to use this equipment.

Notice: The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Useful information

TEL: 886-2-8226-5088
FAX: 886-2-8226-5077
E-Mail: marketing@ccandc.com.tw
http://www.ccandc.com.tw

1. Introduction

Thank you for purchasing your CC&C 11Mbps Wireless LAN PC Card. You are about to install a networking system that is not only fast and powerful, but also easy to set up and simple to maintain. In a short time you and those in your network will be able to share a local printer and files, access the internet, and Roam about the office wire-free.

This wireless networking solution has been designed for both large and small businesses, and it is scaleable so that you can easily add users and new network features as your business grows.

This manual will assist you in the installation procedure.

2. WL-1100 installation

2.1 Hardware installation

For detailed information on how to add new hardware to your specific computer configuration, please follow the guidelines of your computer manufacturer.

2.2 WL-1100 Wireless LAN PC Card Windows 98 installation

This section will assist you with installing the WL-1100 Wireless LAN PC Card under the Windows 98 operating system.

2.2.1 Wireless LAN Utility Installation

1. **Do not** insert CC&C Wireless LAN PC Card into PCMCIA slot, Select **My Computer**, Choose **CD-ROM Drive**, and double click to execute **Setup.exe** file
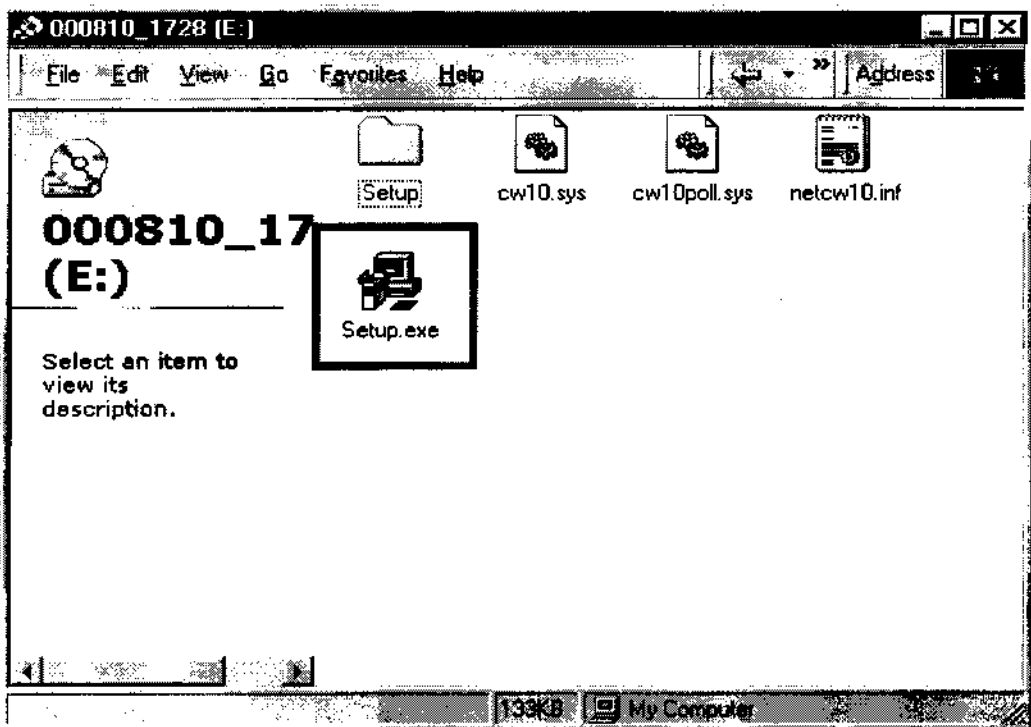
2. **Utility screen** displays as shown

Click **Next**

3. Click **Yes**
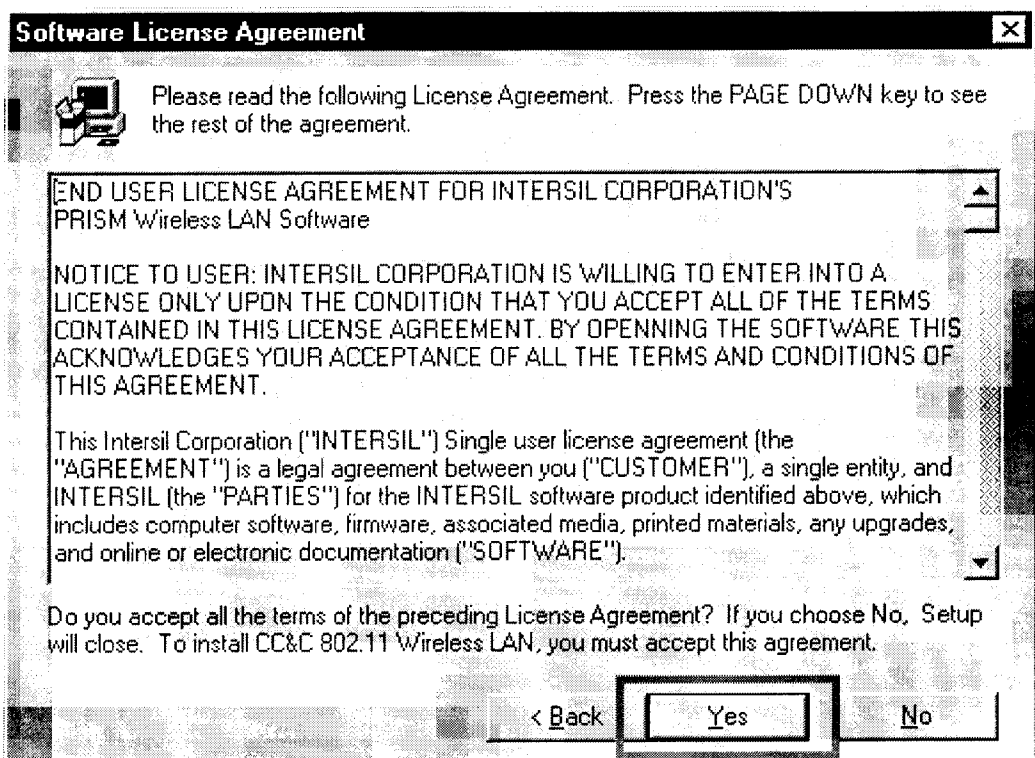
4. Type in **SSID** and click **Next**

(**SSID** : Could be any combination of letter and/or number)

Enter the System ID of your Wireless LAN ☒
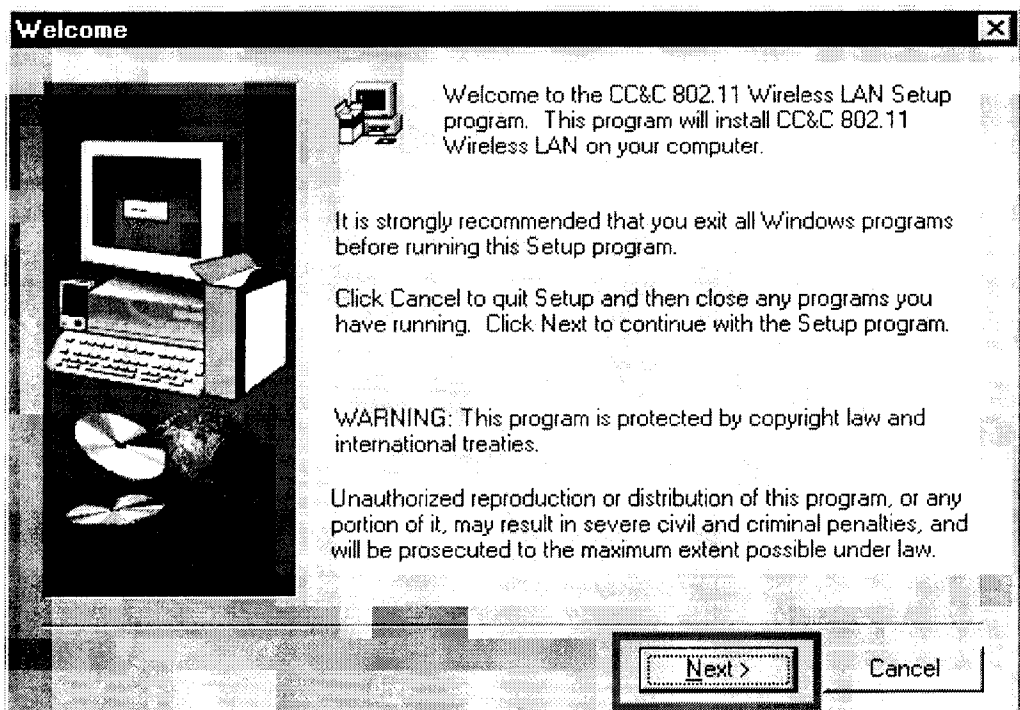
The System ID (or SSID) is the name of your Wireless LAN. All computers that are to be part of the same wireless LAN must have the same SSID.

NOTE! You can change this name at any time via the task bar.

SSID [CC&C]

[< Back] [**Next >**] [Cancel]

5. Choose **Ad Hoc** and click **Next**

Enter the Network Mode ☒

Click the Network Mode in which your wireless node will operate.

[Ad Hoc]
Infrastructure

Description

This is the 802.11 peer to peer mode of operation. Use this mode if you have not installed or will not be installing an Access Point.

[< Back] [**Next >**] [Cancel]

6. Choose **Ad Hoc** and click **Next**

```
Enter the Network Mode                                          [X]

              Click the Network Mode in which your wireless node will operate.

              ┌─────────────────────────────────────────────────┐
              │ Ad Hoc                                           │
              │ Infrastructure                                   │
              └─────────────────────────────────────────────────┘

              ┌─ Description ────────────────────────────────────┐
              │ This is the 802.11 peer to peer mode of operation. Use this │
              │ mode if you have not installed or will not be  installing an │
              │ Access Point.                                    │
              └─────────────────────────────────────────────────┘

                        < Back    │  Next >  │    Cancel
```

7. Click **Next**

```
Choose Destination Location                                     [X]

              Setup will install CC&C 802.11 Wireless LAN in the following
              folder.

              To install to this folder, click Next.

              To install to a different folder, click Browse and select another
              folder.

              You can choose not to install CC&C 802.11 Wireless LAN by
              clicking Cancel to exit Setup.

              ┌─ Destination Folder ─────────────────────────────┐
              │ C:\...\CC&C\CC&C 802.11 Wireless LAN    │ Browse... │
              └─────────────────────────────────────────────────┘

                        < Back    │  Next >  │    Cancel
```

8. Click **Finish** to restart the computer
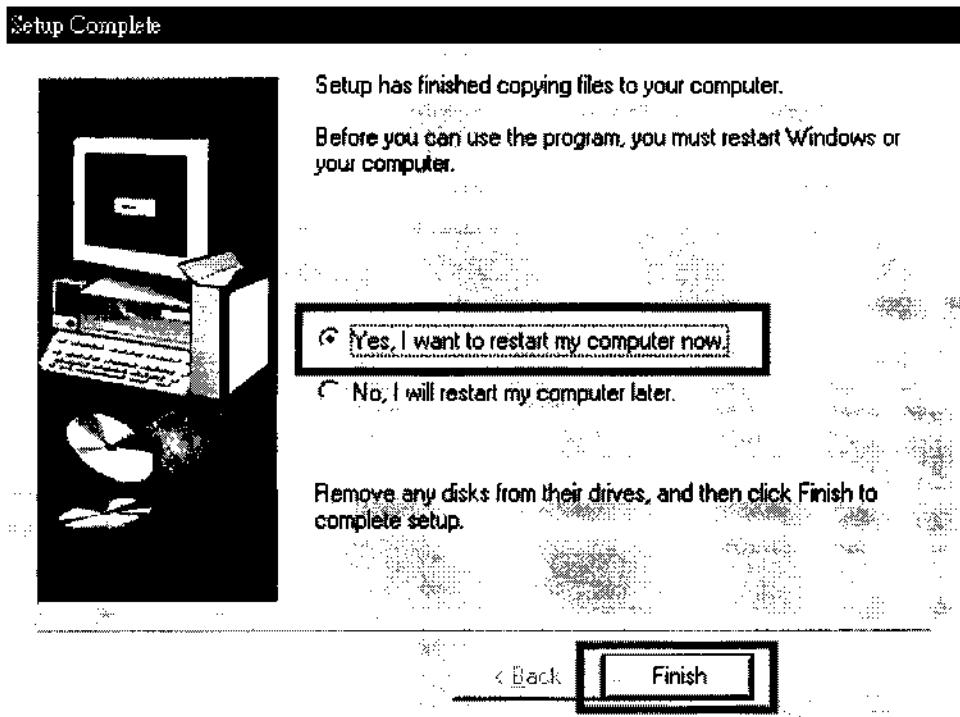
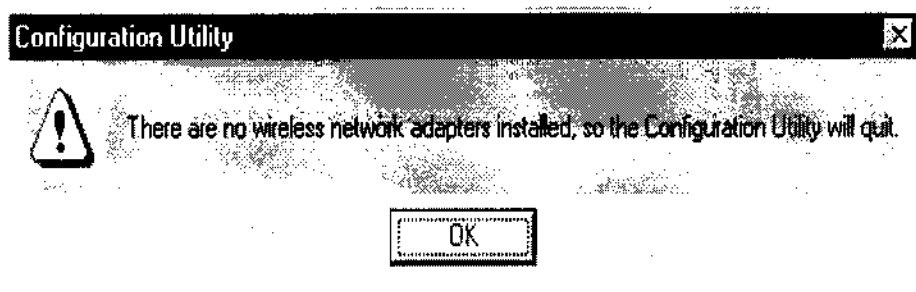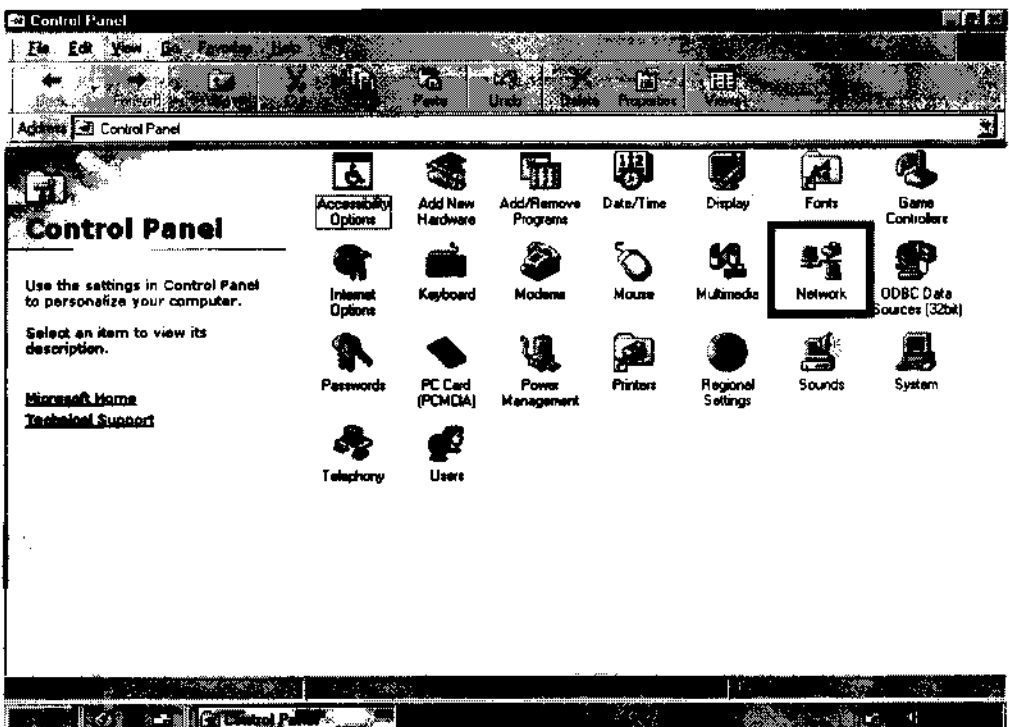## 2.2.2 Driver Program installation and Network configuration

1. Insert the **CC&C Wireless LAN PC Card**
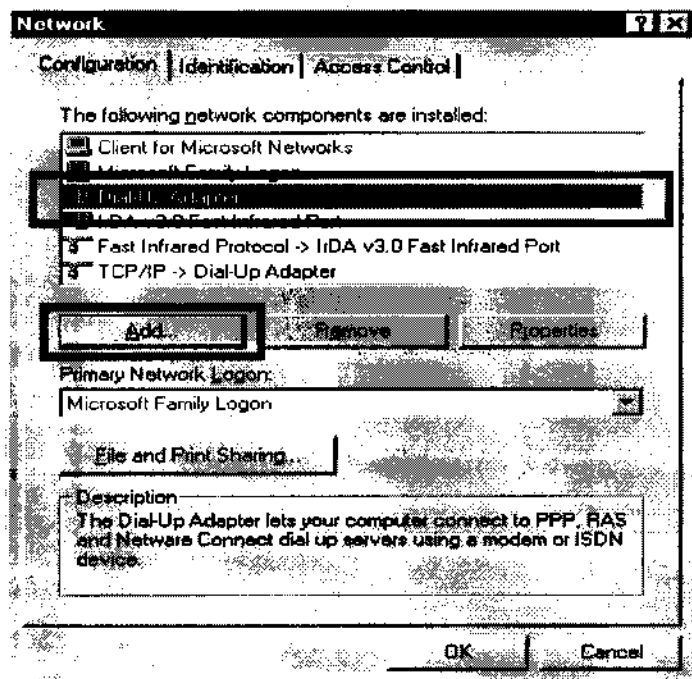
   Utility screen displays as shown. Click **OK**

2. Select **Start** → **Settings** → **Control Panel** to set up wireless network adapter configuration
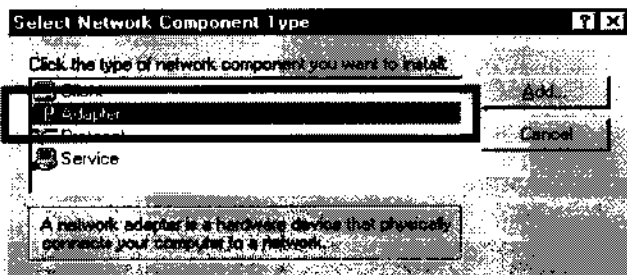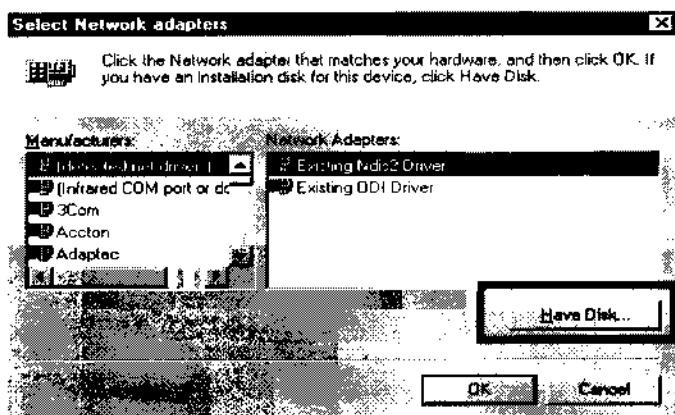

3. Select **Network**
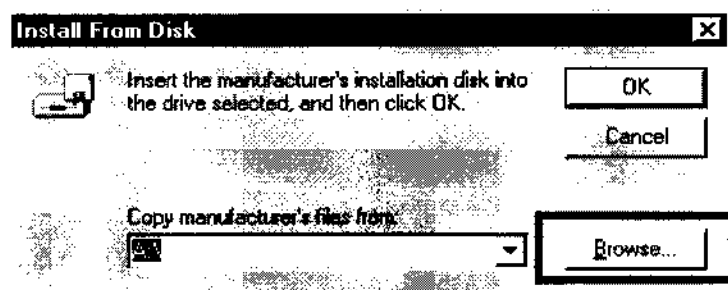
4. Choose **Dial-Up Adapter** and Click **Add**

5. Choose **Adapter** and click **Add**

6. Click **Have Disk**

7. Click **Browse**

```
┌─ Install From Disk ──────────────────────── ☒ ─┐
│                                                  │
│   ┌──┐   Insert the manufacturer's installation disk into   ┌──────────┐   │
│   │  │   the drive selected, and then click OK.             │    OK    │   │
│   └──┘                                                      └──────────┘   │
│                                                             ┌──────────┐   │
│                                                             │  Cancel  │   │
│                                                             └──────────┘   │
│                                                                            │
│         Copy manufacturer's files from:                                    │
│         ┌──────────────────────────────▼┐   ┌──────────┐                   │
│         │                                │   │ Browse.. │                   │
│         └────────────────────────────────┘   └──────────┘                   │
└────────────────────────────────────────────────────────────────────────────┘
```
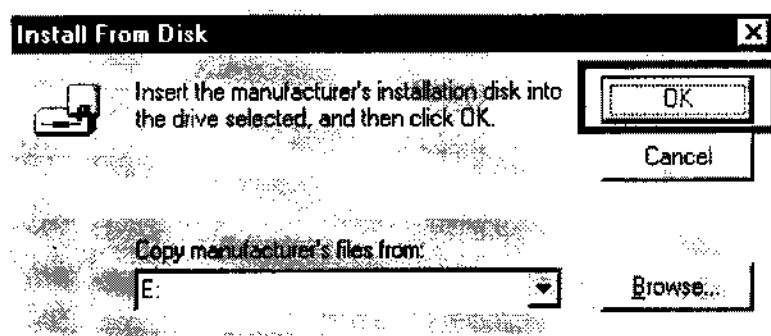
8. Choose **CD-ROM Drive**
   select **"netcw10.inf"** then Click **O.K.**

```
┌─ Open ────────────────────────────────────── ? ☒ ─┐
│                                                     │
│  File name:              Folders:        ┌──────────┐ │
│  ┌───────────────┐       e:\             │    OK    │ │
│  │netcw10.inf    │                       └──────────┘ │
│  └───────────────┘                       ┌──────────┐ │
│  ┌───────────────┐       ┌──── e:\       │  Cancel  │ │
│  │ netcw10.inf  ▲│       │  Setup        └──────────┘ │
│  │               │       │                            │
│  │               │       │                            │
│  │              ▼│       │              ▼             │
│  └───────────────┘                                    │
│                          Drives:                      │
│                          ┌──────────────────▼┐        │
│                          │  e:               │        │
│                          └───────────────────┘        │
└───────────────────────────────────────────────────────┘
```

9. Click **O.K.**

```
┌─ Install From Disk ──────────────────────── ☒ ─┐
│                                                  │
│   ┌──┐   Insert the manufacturer's installation disk into   ┌──────────┐   │
│   │  │   the drive selected, and then click OK.             │    OK    │   │
│   └──┘                                                      └──────────┘   │
│                                                             ┌──────────┐   │
│                                                             │  Cancel  │   │
│                                                             └──────────┘   │
│                                                                            │
│         Copy manufacturer's files from:                                    │
│         ┌──────────────────────────────▼┐   ┌──────────┐                   │
│         │ E:                             │   │ Browse.. │                   │
│         └────────────────────────────────┘   └──────────┘                   │
└────────────────────────────────────────────────────────────────────────────┘
```
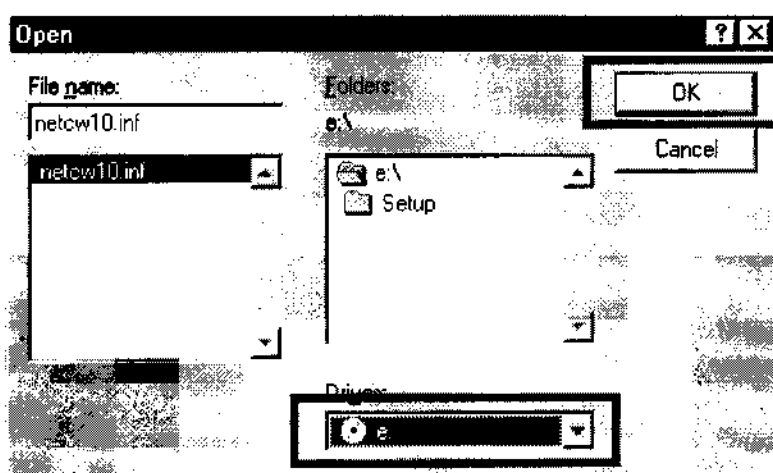
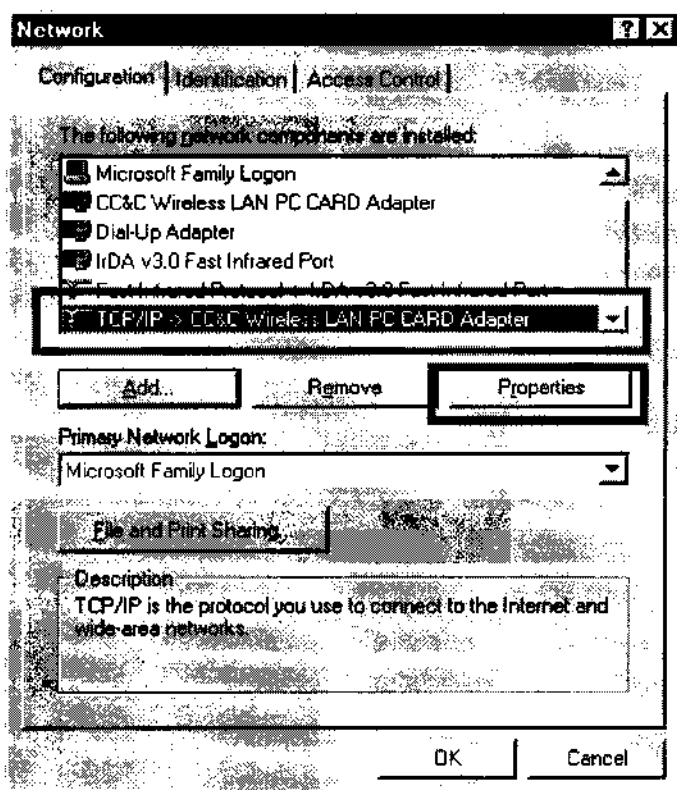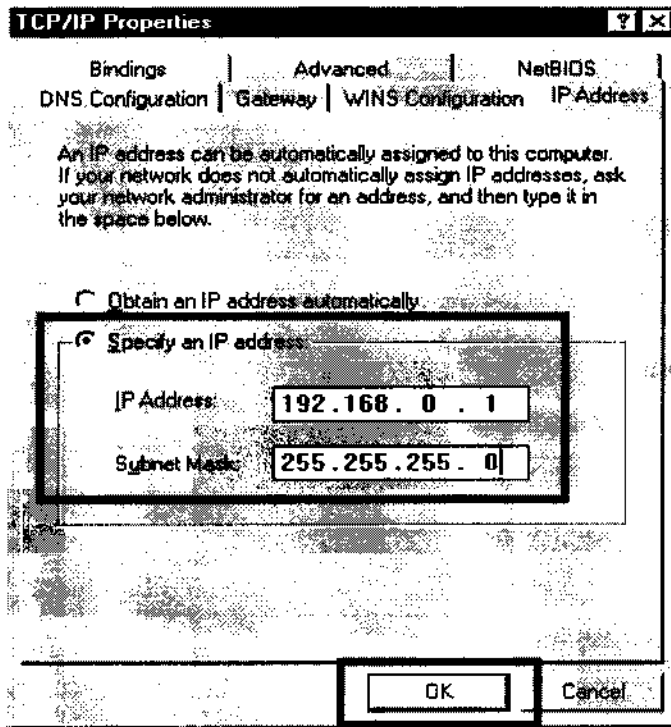## 10. Select "CC&C Wireless LAN PC CARD Adapter "
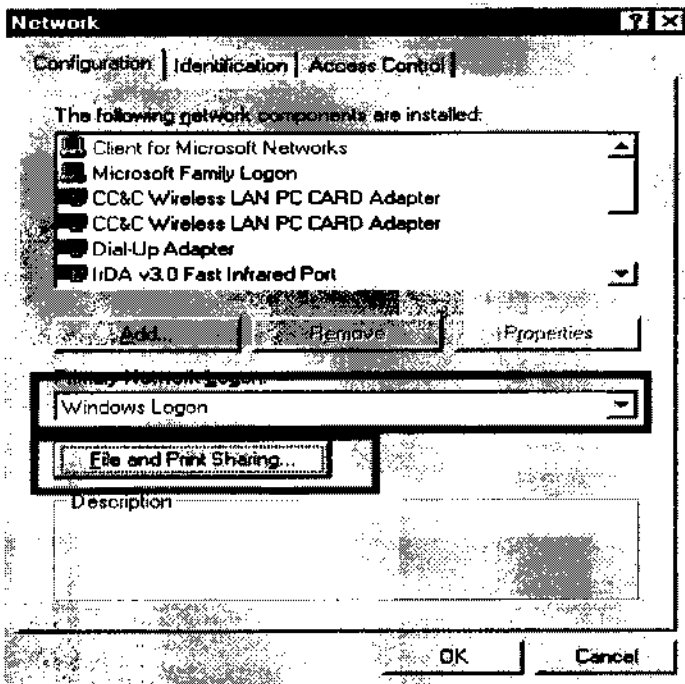then Click O.K.
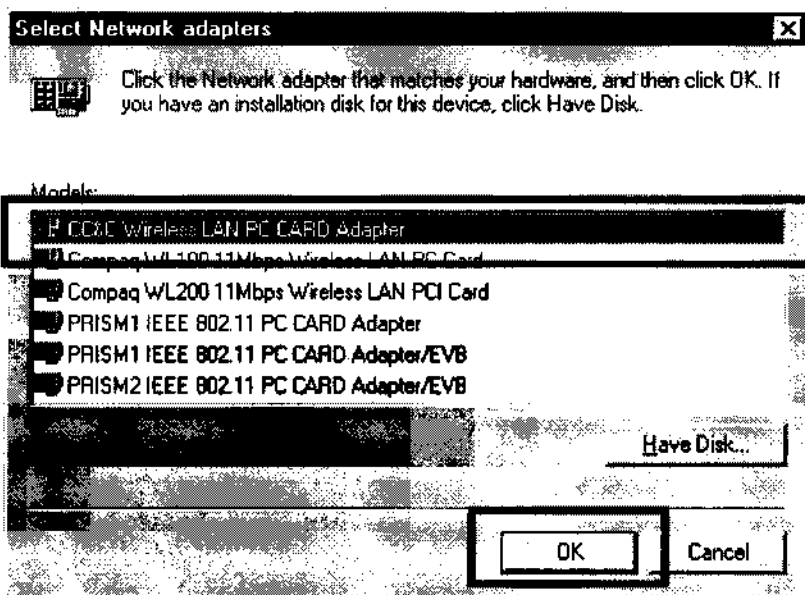
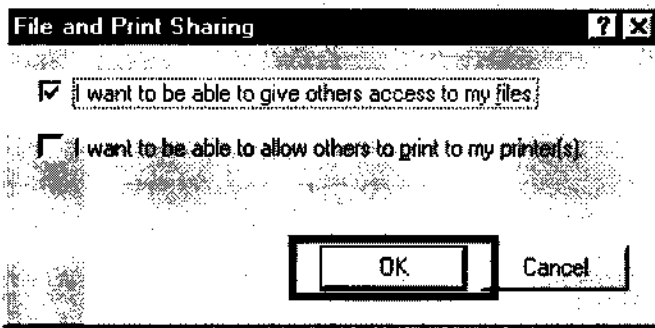## 11. Select "TCP/IP→CC&C Wireless LAN PC CARD Adapter"
then Click Properties

12. Type in IP Address as the screen picture shown:
(e.g. **192.168.0.1~255, different in each computer)**
Sub-network mask:
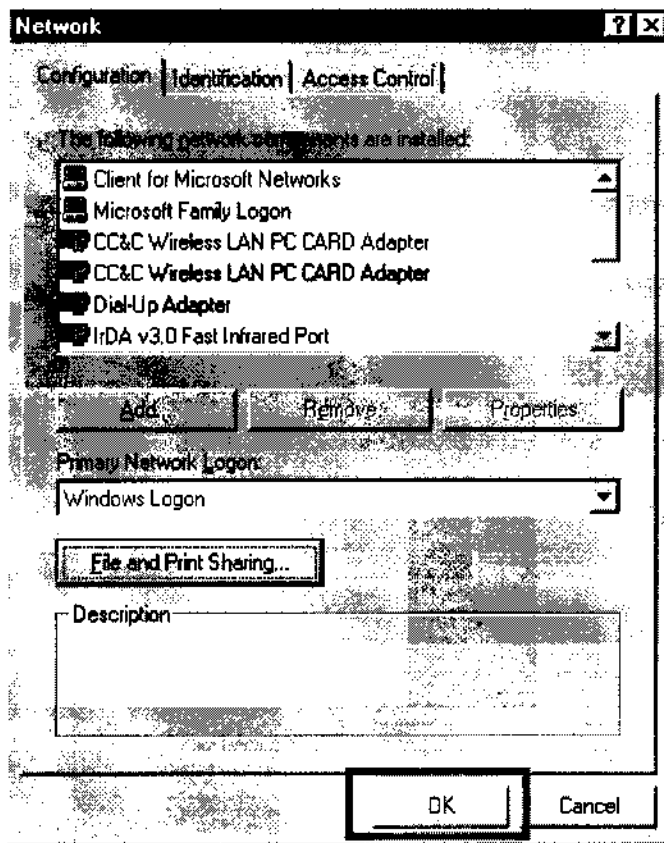(**255.255.255.0, same for every computer)**
then Click **O.K.**

TCP/IP Properties

Bindings | Advanced | NetBIOS
DNS Configuration | Gateway | WINS Configuration | IP Address

An IP address can be automatically assigned to this computer.
If your network does not automatically assign IP addresses, ask
your network administrator for an address, and then type it in
the space below.

○ Obtain an IP address automatically
● Specify an IP address:

IP Address: `192.168. 0 . 1`

Subnet Mask: `255.255.255. 0`

OK | Cancel

13. Choose the same **Primary Network Logon** use default setting
Click **File and Print Sharing**

Network

Configuration | Identification | Access Control

The following network components are installed:

- Client for Microsoft Networks
- Microsoft Family Logon
- CC&C Wireless LAN PC CARD Adapter
- CC&C Wireless LAN PC CARD Adapter
- Dial-Up Adapter
- IrDA v3.0 Fast Infrared Port

Add... | Remove | Properties

Windows Logon

File and Print Sharing...

Description

OK | Cancel

14. Select the option then Click **O.K.**

File and Print Sharing [?] [X]

☑ I want to be able to give others access to my files

☐ I want to be able to allow others to print to my printer(s)

[OK]   Cancel

15. Click **O.K.**

Network [?] [X]

Configuration | Identification | Access Control

The following network components are installed:

- Client for Microsoft Networks
- Microsoft Family Logon
- CC&C Wireless LAN PC CARD Adapter
- CC&C Wireless LAN PC CARD Adapter
- Dial-Up Adapter
- IrDA v3.0 Fast Infrared Port

[Add]   [Remove]   [Properties]

Primary Network Logon:

Windows Logon

[File and Print Sharing...]

Description

[OK]   Cancel
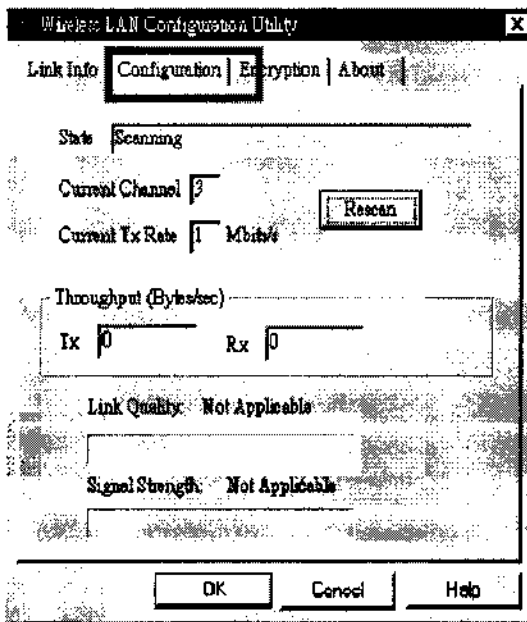
16. Click **Yes** to re-start the computer
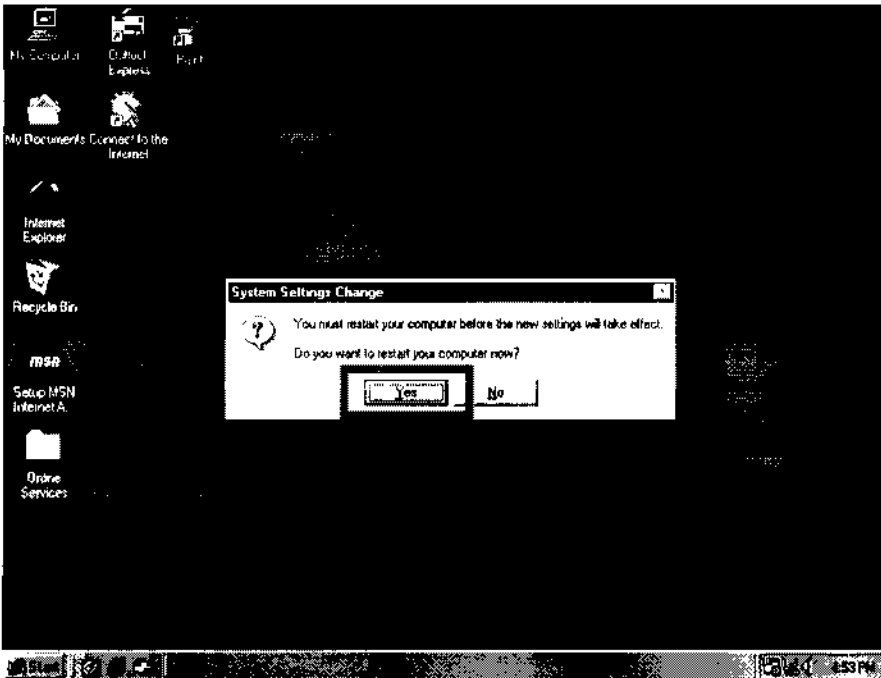
2.2.3 Utility Program Set-up

1. Insert the **CC&C Wireless LAN PC Card**
   Click **Start** → **Programs** → **CCandC**→ **Configuration Utility** Or Click
   the Symbol as shown in circle
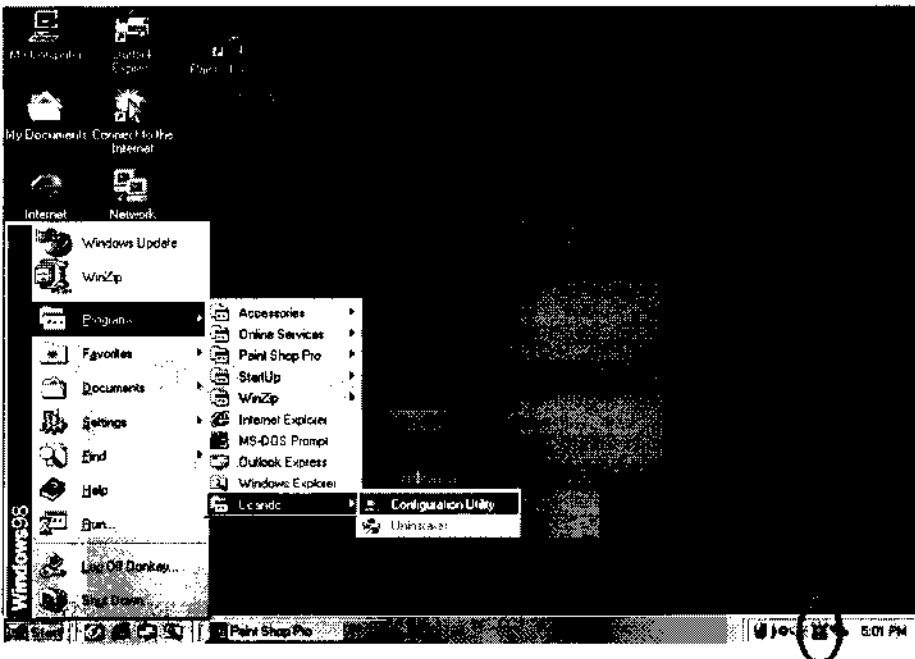
2.The **Utility** displays as shown below
Choose the **Configuration**

3. Set each field as followed:
Mode : AdHoc
SSID : Make sure the SSID setting is the same as the one which you prepare to link with (or keep the pre-setting).
Channel : make sure the channel setting is the same as the one which you prepare to link with (or keep the pre-setting = 6).
then Click **Apply Changes** and click **OK** again
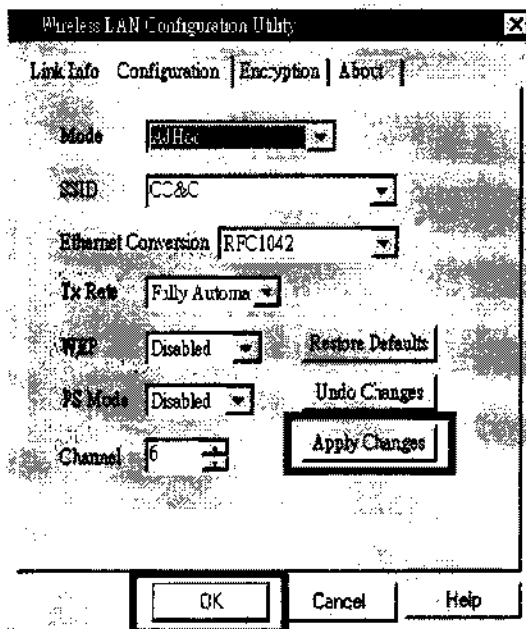
4. Restart the computer to complete the installation.

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3.   Technical Specifications
WL-1100 Wireless LAN PC Card

Driver Support

Windows 95 / 98 / 2000 / NT4.0 or higher
Linux

Standards Support

IEEE 802.11b standard for wireless LAN

Radio Specifications

Frequency Range : 2.4-2.4835 GHz,
Direct Sequence Spread Spectrum
Antenna system : One integrated antenna
Mobility : Seamless roaming across cell boundaries with handover

Power Specifications

Operating Voltage : +3.3 Voltage DC
Active Transmitting : 350mA
Active Receiving : 250mA

Specific Features

Supported bit rates : 11Mbps、5.5Mbps、2Mbps and 1Mbps