# Setting Guide to Access Point

Version 2.0 – August 2001

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# Regulatory Information

**USA – Federal Communications Commission (FCC)**

* This 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 instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does 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 of the following measures:

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

FCC Caution: To assure continued compliance, (example - use only shielded interface cables when connecting to computer or peripheral devices). Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

- This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter

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**Canada – Industry Canada (IC)**

This class B digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations.

**EU Declaration of Conformity (Europe)**

Access Point conforms to the specifications listed below, following the provisions of the Low Voltage Directive 73/23/EEC and the EMC Directive 89/336/EEC

| | | |
|---|---|---|
| Safety | EN60950/IEC950 | |
| EMC | EN55022/CISPR22 Class B | EN50082-1 |

The manufacturer is not responsible for any radio or television interference caused by unauthorized modification of this device or the substitution or attachment of connecting cables and equipment other than specified. The correction of interference caused by such unauthorized modification, substitution or attachment will be the responsibility of the user. Built-in antennas, whether installed indoors or out, should be installed only by experienced antenna installation professionals who are familiar with local building and safety codes and, wherever applicable, are licensed by the appropriate government regulatory authorities.

# 1. Welcome

This guide will lead you through the installation process in detail. It describes most common configurations and a quick start set-up.
The product supports any O.S include Web Browser Function Windows 95/98/2000, CE, Unix, Linux, MAC…...etc.

## 1.1 Advantages for Using Wireless Network

Advantages for Using a Wireless Network:

- *Hard to wire areas*: Access Point provides access to network services in areas otherwise hard or expensive to wire, such as historic buildings with asbestos and classrooms.
- *Flexible workgroups*: Lower total cost of ownership for workspaces that are frequently reconfigured.
- *Networked conference rooms*: user can access the network as they move from meeting to meeting, getting up to date access to information and the ability to communicate decision while 'on the go'
- *Ad hoc networking*: on site consultants and small workgroups increase productivity with quick network setup and collaboration software
- *Branch office networking*: provides an easy to install, use and maintain network for a remote or sales office
- *Campus-wide network mobility*: roaming capabilities allow enterprise to set up easy to use wireless networks that cover the entire campus transparently.

## 1.2 About Access Point

The Access Point is a modular unit with an integrated Ethernet interface that enables you to use your Access Point with your adaptors. The Antennas create further wireless atmosphere and a cleaner look. The Access Point is a wired to wireless bridge that you can use to connect wireless *cells*[1] to one another or to a wired (Ethernet) Local Area Network. The Access Point can serve mobile wireless clients roaming between various locations within network premises.

## 1.3 Verifying Kit Contents

The kit you have received should contain the following items:

- 'Setting Guide to Access Point'
- Access Point
- EU/USA Spec. Adaptor
- Setting Stand

If anything is missing, please contact your vendor.

## 1.4 Wireless Adaptor

Adaptor comes in separate packages. It is a wireless network adapter, that allows sharing of internet access and peripherals through access point. Adaptor comes in two types: PC Card and USB Adapter. PC Card is for the use of notebook only; on the other hand USB is compatible for both computer and notebook.

## 1.5 System Interoperatability

Access Point is able to integrate with other brand's wireless network communication systems. E.g. Access Point is compatible with all other brands wireless adapter.

**Notification:** Access Point connects to Hub/Switch with a non-cross network cable. It connects to PC (Server) with a cross network cable. And the console port connects with RS232 cable in 25 pin female connector.

[1] Please Refer Section 5 - Glossary

# 2. Step by Step Setting Guide

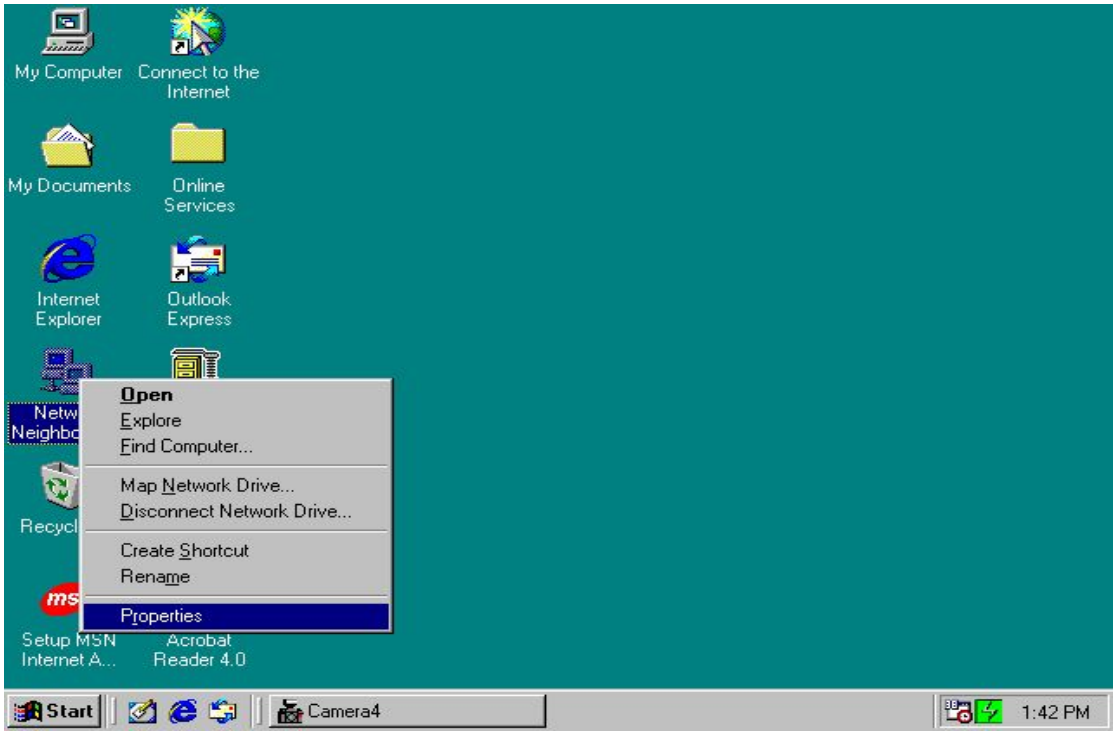
This section will lead you through the installation of Access Point in thorough detail. You may wish to skip to Quick Start to Wireless Networking.

## 2.1 Setting up Access Point

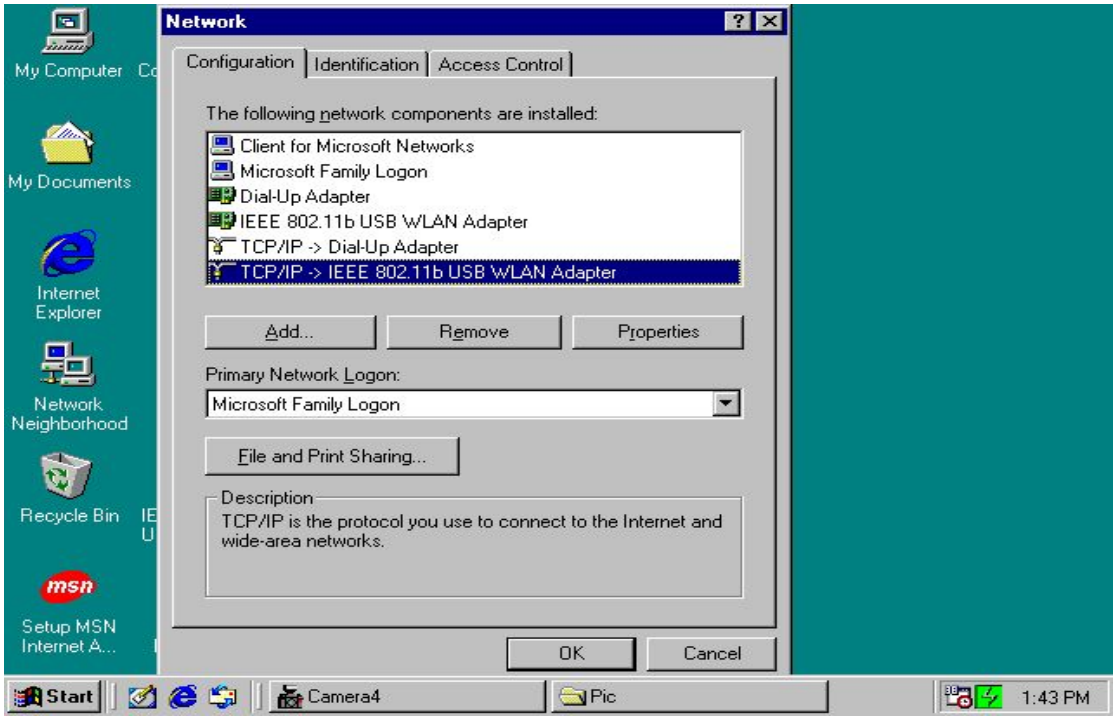
Please follow the instructions on how to set up your Access Point:

**A. Connecting to AP**

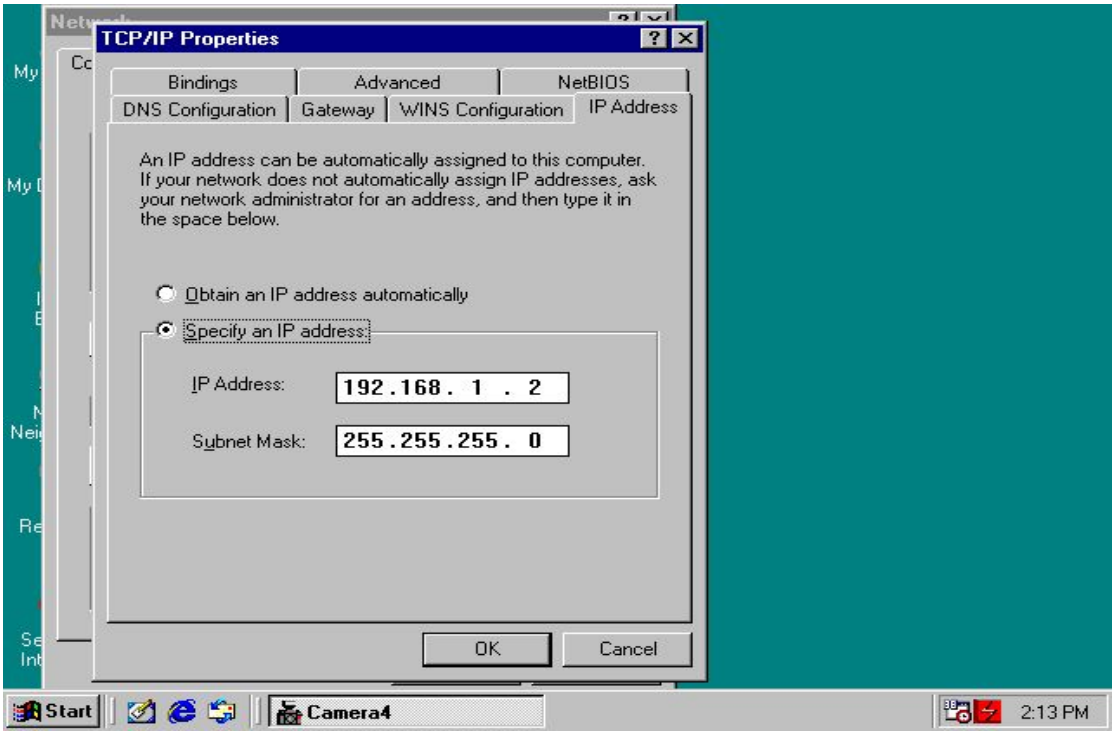
1. Firstly, connect USB wireless adapter to your computer.
   Start the computer, then right click **"Network Neighborhood"** and Select **"Property".**



2. Double click **"TCP/IP IEEE802.11Busb WLAN Adapter"**, in the "Configuration" toolbar.

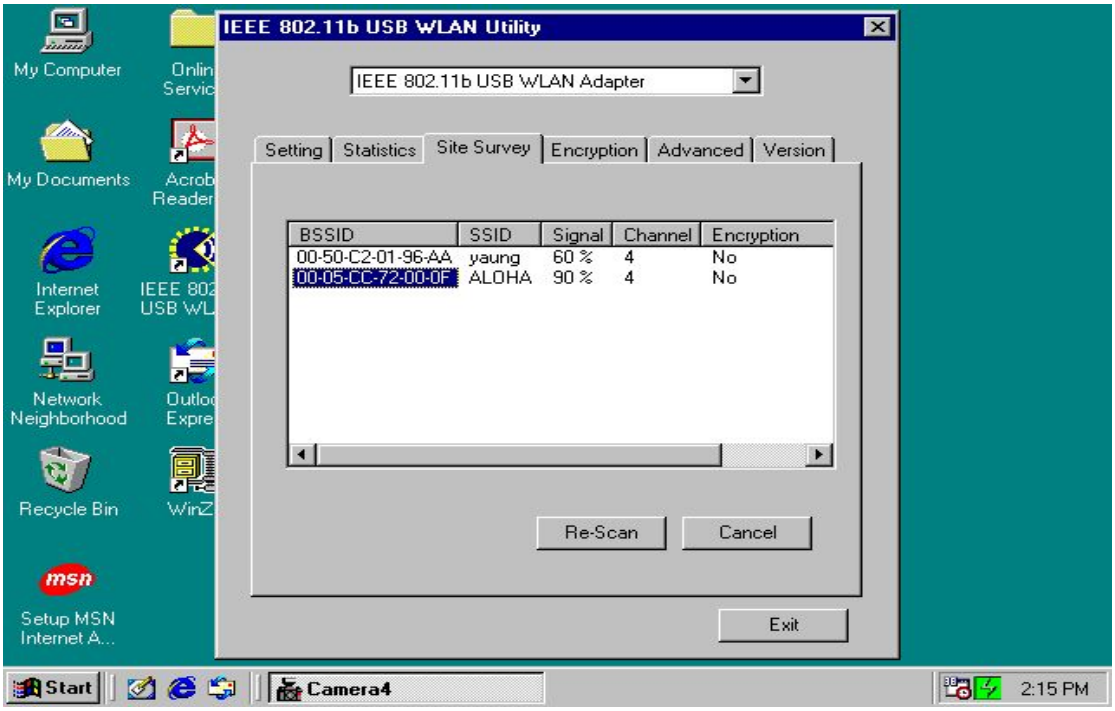


3. Select the second choice **"Assign IP Address"**. Then you'll need to input an unused network IP address (Please also refer to your Network Neighborhood Property sheet). The default IP address of AP is (192.168.1.1) Furthermore, insert (255.255.255.0) for your Network Mask.




4. Then click 'O.K' , and 'O.K' and restart the computer.

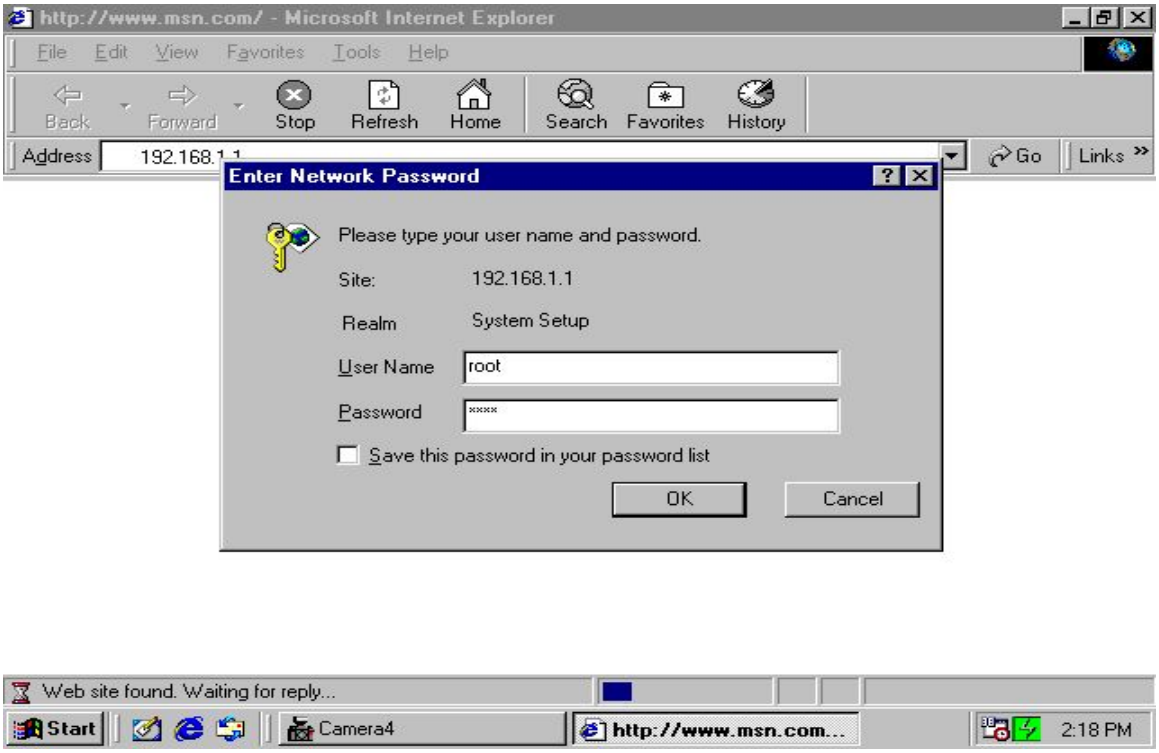
5. Click the red icon on the right hand side of the main window. (If the icon shows green, it is connecting now, the icon shows red, it isn't connecting now). And select **"Site Survey"**, click **"rescan"** it shows how many APs are searched in the receiving range. Select and double click the AP in which you are connecting. It'll show the setting situation. Then exit the window.



**B. AP Configuration**

**Login:**

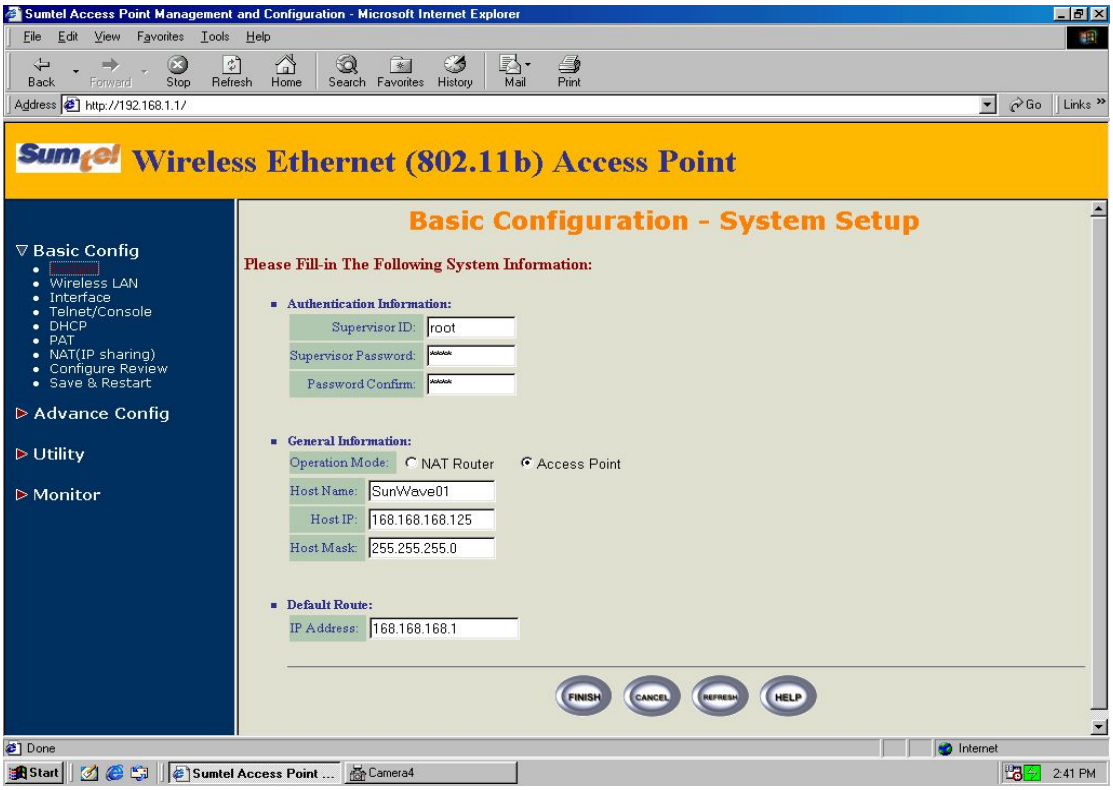
6. Open your internet browser, and enter the IP address of the AP in which you are using. It will show a configuration window, please enter the word **"root"** in the "User Name" blank, and the word **"root"** in the "password" blank as the default value.



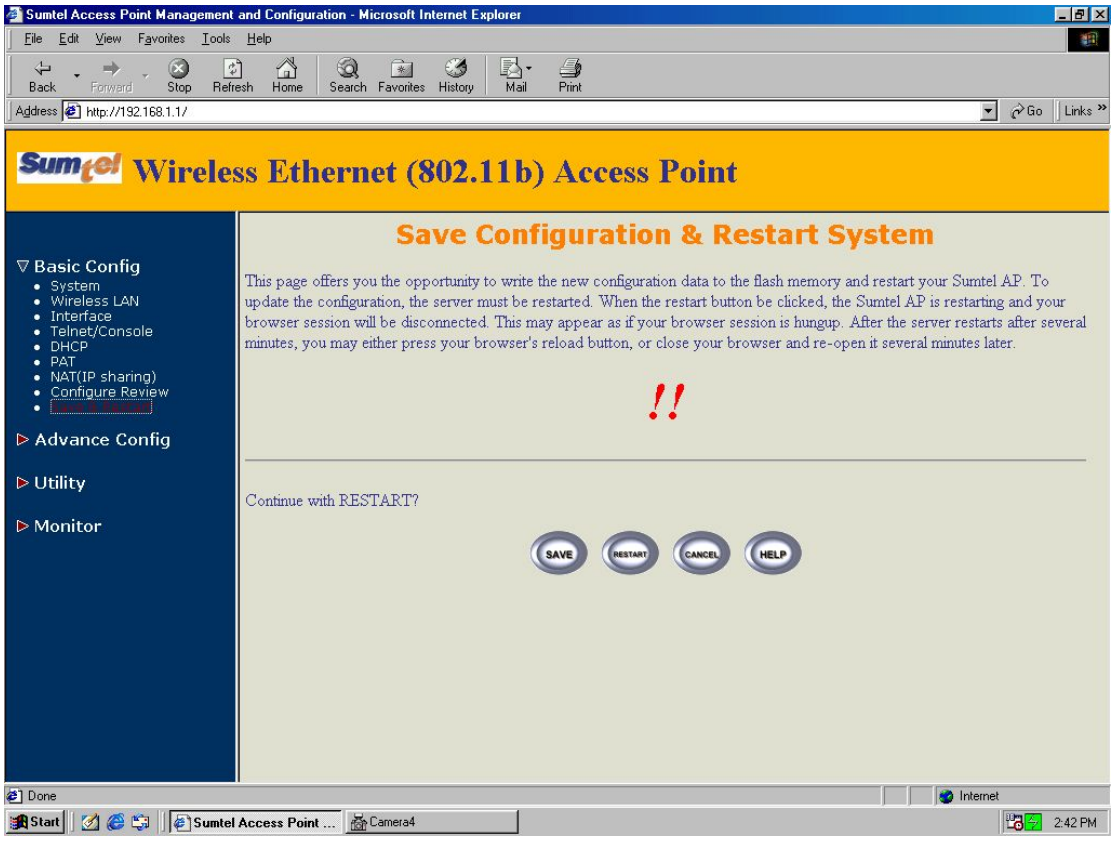
7.

**Basic Configuration:**

8. Click **"System"** under the **"Basic Configuration"**, then select the **"Access Point"** and fill up the "Host Name" and "Host IP"(IP Address of AP), insert **(255.255.255.0)** for your Network Mask. In the "Default Rout" insert the Gateway IP as its IP Address. Click **"Finish".**



8. Go to **“Save & Restart”**, click **“save”.** The AP will be rebooted.

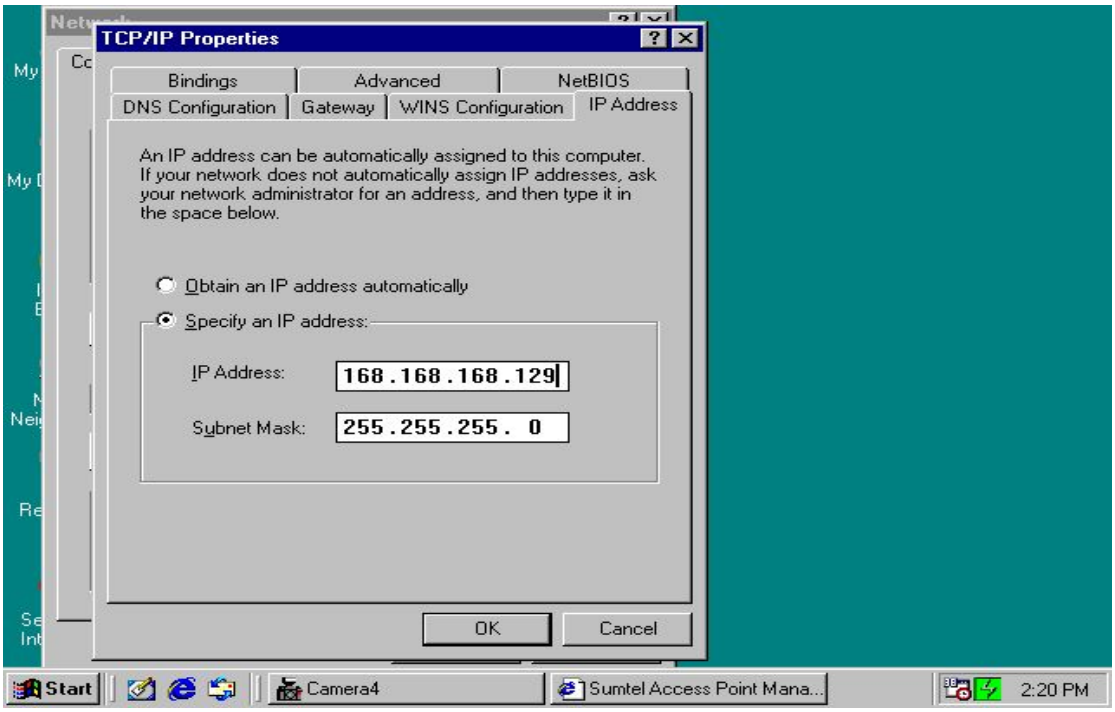


**C. Connecting to WAN**

9.Right click **"Network Neighborhood"** select **"Property"** and in the **"Configuration"** toolbar, then double click **"TCP/IP IEEE802.11Busb WLAN Adapter".**

Select the second choice **"Assign IP Address".** Then you'll need to change an assigned IP address that can connect to Gateway IP)

Up to now, we set up the Wireless LAN Networking.




**Is your Installation Successful?**

If the installation is successful, the middle light (wireless) is green and the highest light (power) and lowest light (Ethernet.) The lowest light will flash whenever there is traffic on the respective network.

**How to Select Wired Network?**

The Access Point automatically selects the medium attached. When the cable network is detected, the network light will turn on.

**How to Start your Wired Network?**

Now, you can try your wireless internet access. Just type-in your desired web address, and it will be accessed wirelessly.

**Factory Settings**

You can reset the Access Point's Settings to factory defaults by pushing a paperclip in the little hole next to the power switch when Access Point is turned off. Hold until the lights at the front of the Access Point lights are off.