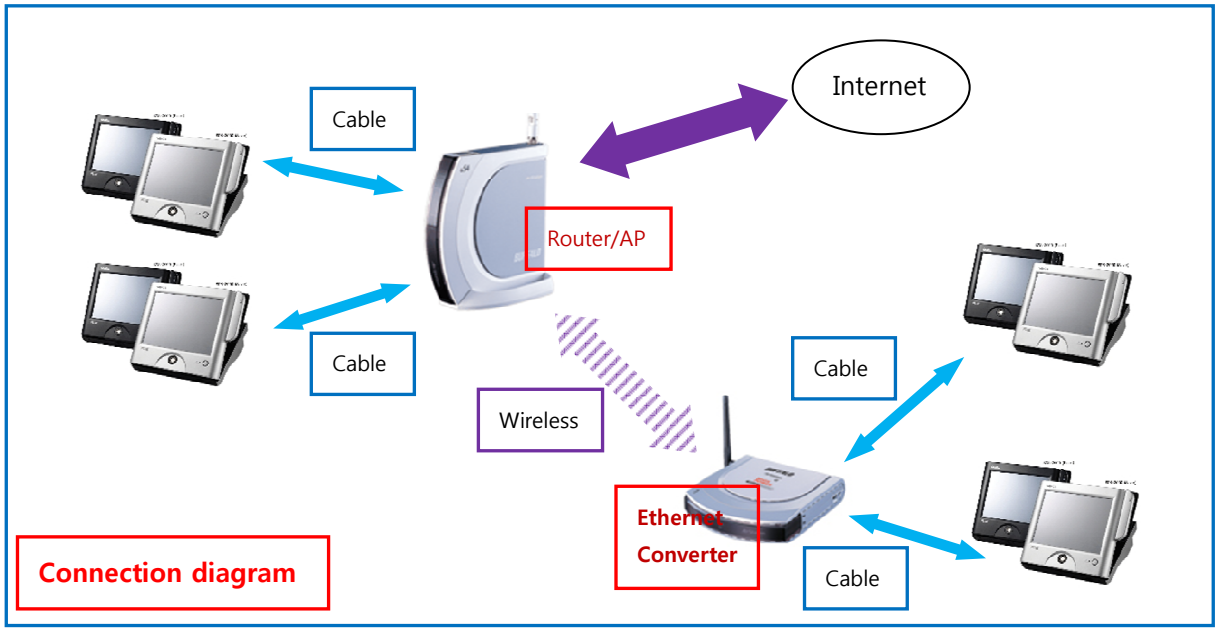
< Simple IRC connection in Wireless LAN environment for SPS-2000 >

This document show you simple example about IRC connection in the Wireless-LAN environment for SPS-2000.

This example uses the router and Ethernet converter of Buffalo-technology for test. If you use the other device, configuration form will be different from this document.

1. Using Devices

Image	Model	Device
	The Buffalo AirStation G54 Wireless Cable/DSL Smart Router(**WHR-G54S**)	Access-Point / Router (www.buffalo-technology.com)
	The Buffalo Turbo G MIMO Performance Wireless Ethernet Converter (**WLI-TX4-G54HP**)	Ethernet Converter (www.buffalo-technology.com)
	Sam4s POS system (SPS-2000)	POS system



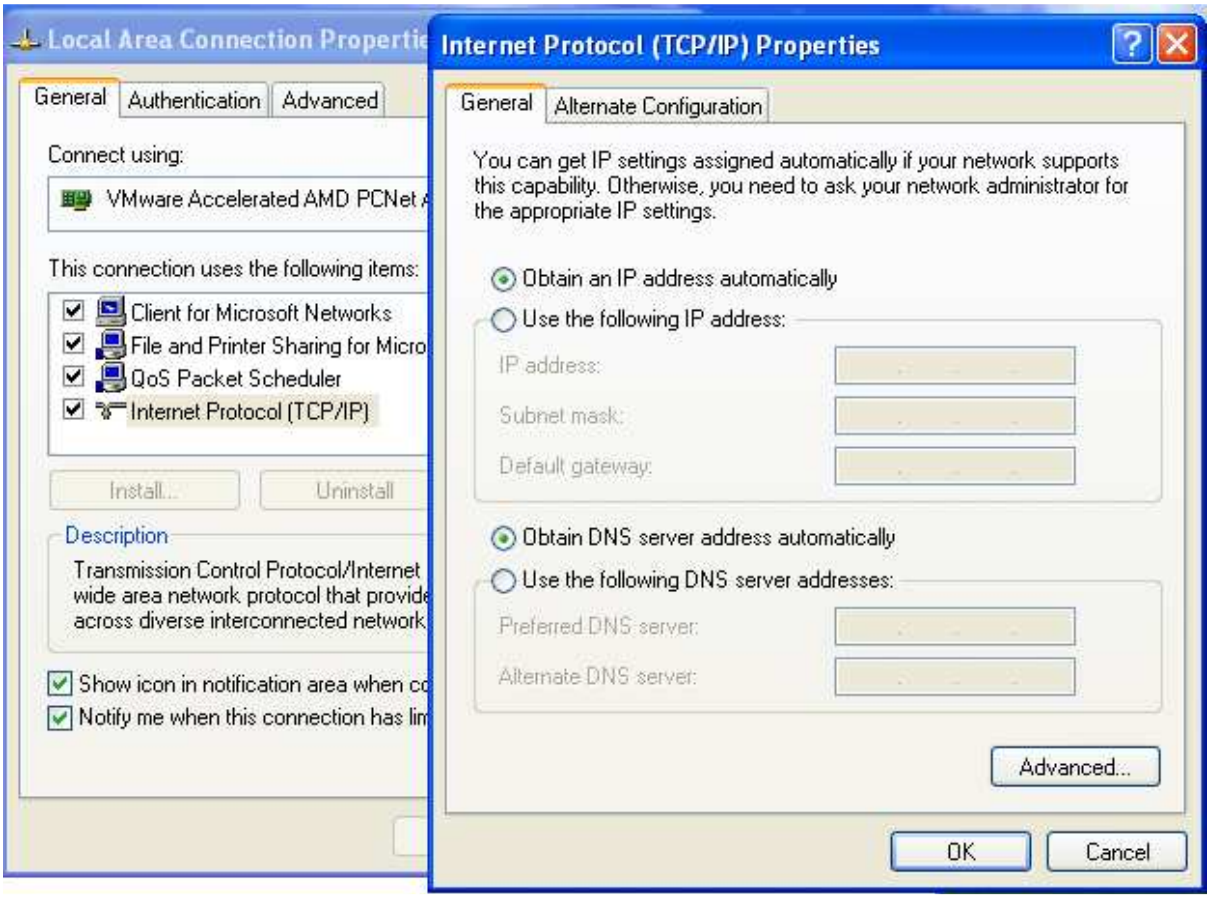
2. Use Static IP address

1) Use the default SPS-2000 IP address

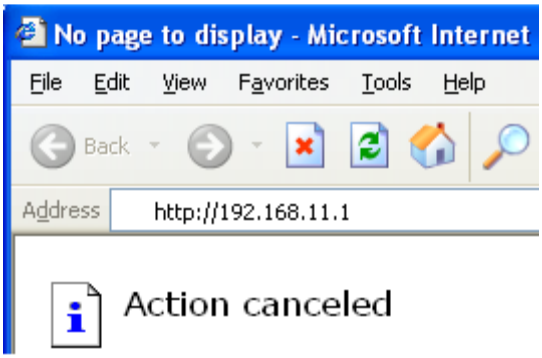
The SPS-2000 use the default IP address related the register number. If your register number is set to 1, the default IP address is set to "192.168.0.11"

■Setting up the AP(Access Point / router : Buffalo AirStation G54 Smart Router) to same subnet address with SPS-2000.(ex 192.168.0.1)

->Set your TCP/IP properties in local area connection properties to below

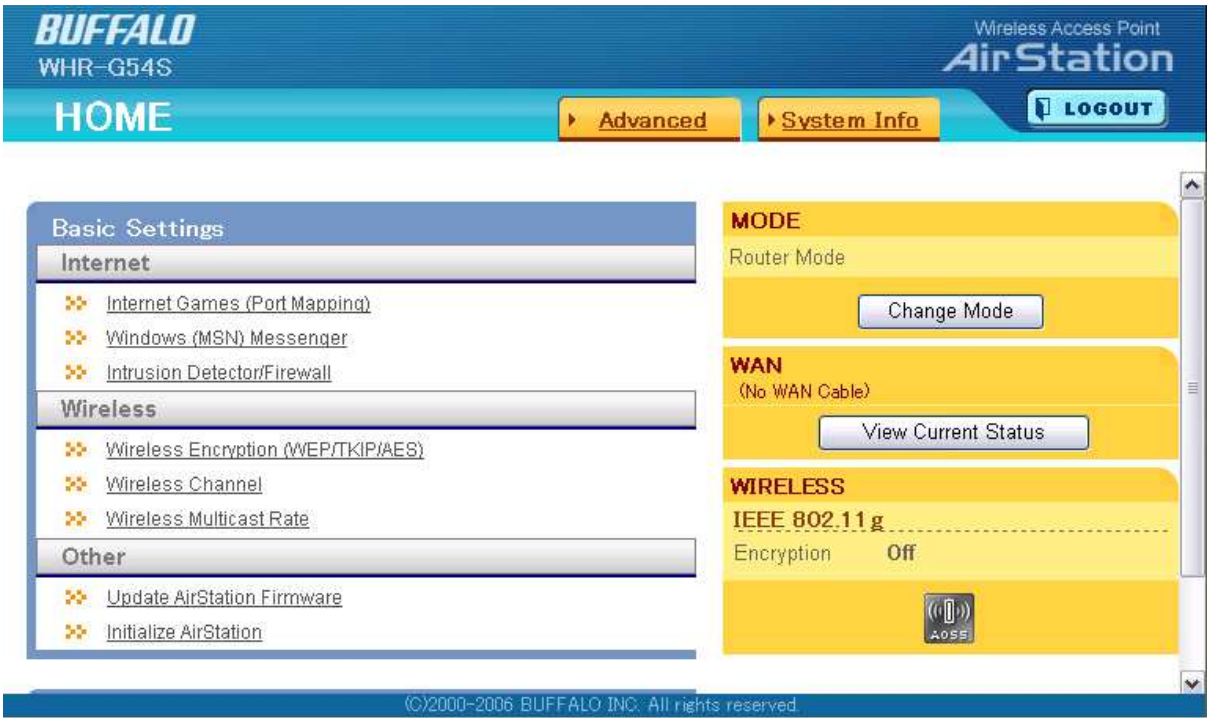


->Run the internet explorer and then input the below address to your address input box for set up the AP's IP address.



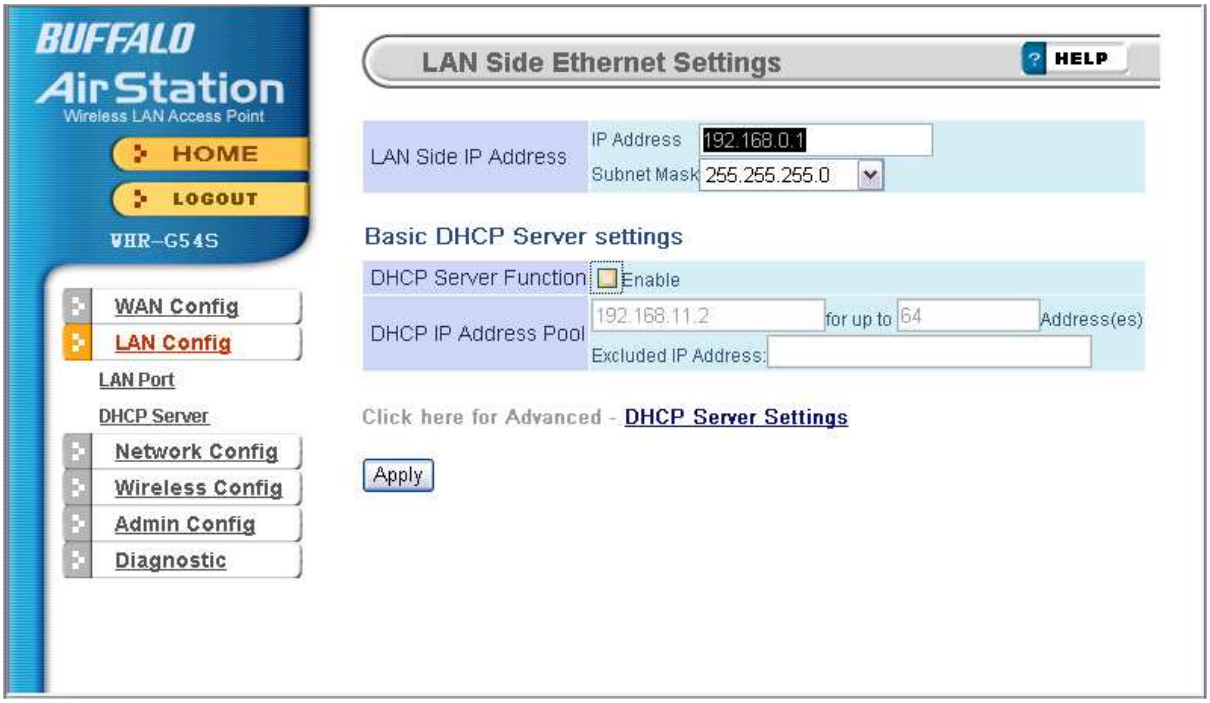
->Input the user ID “root”.(don’t input the password)

->Select the “Advanced” tab

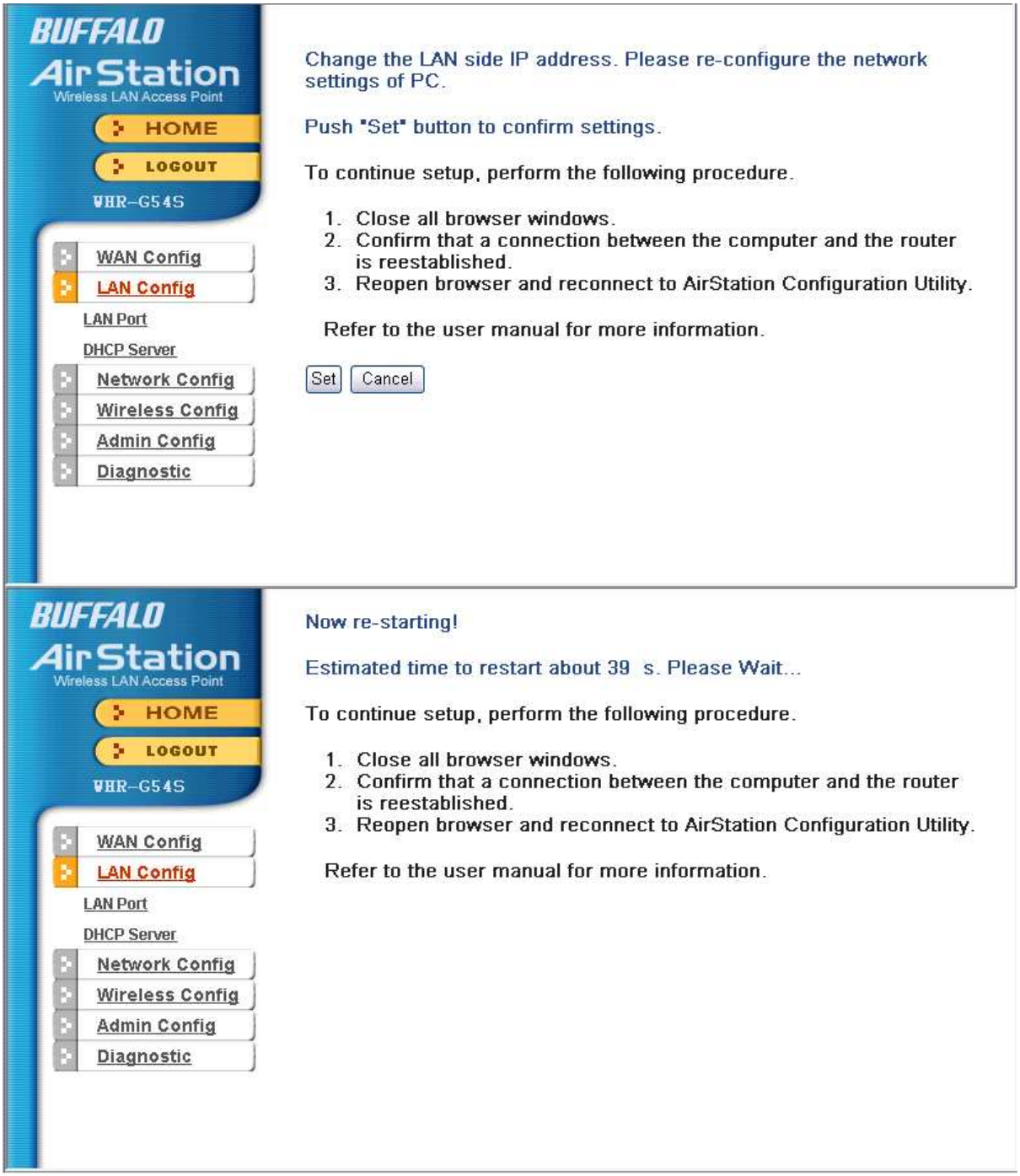


->Select the LAN Config and set the LAN Side IP address to “192.168.0.1”

->And then clear the DHCP Server function checked and click the “Apply” button

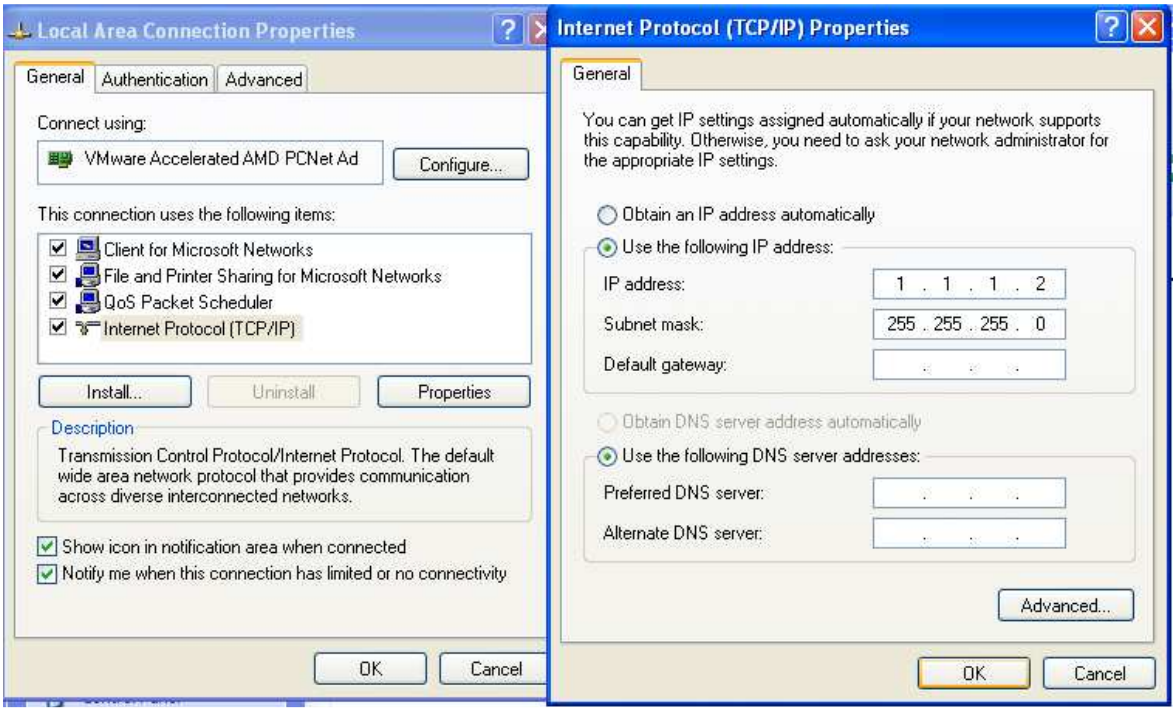


->Click the “Set” button and follow the message in the next window.

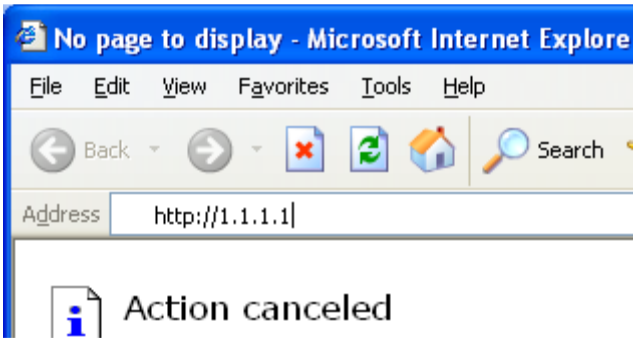


■Setting up the Ethernet Converter(Buffalo WLI-TX4-G54HP) : Search the AP's SSID in Configuration page

->Set your TCP/IP properties in local area connection properties to below

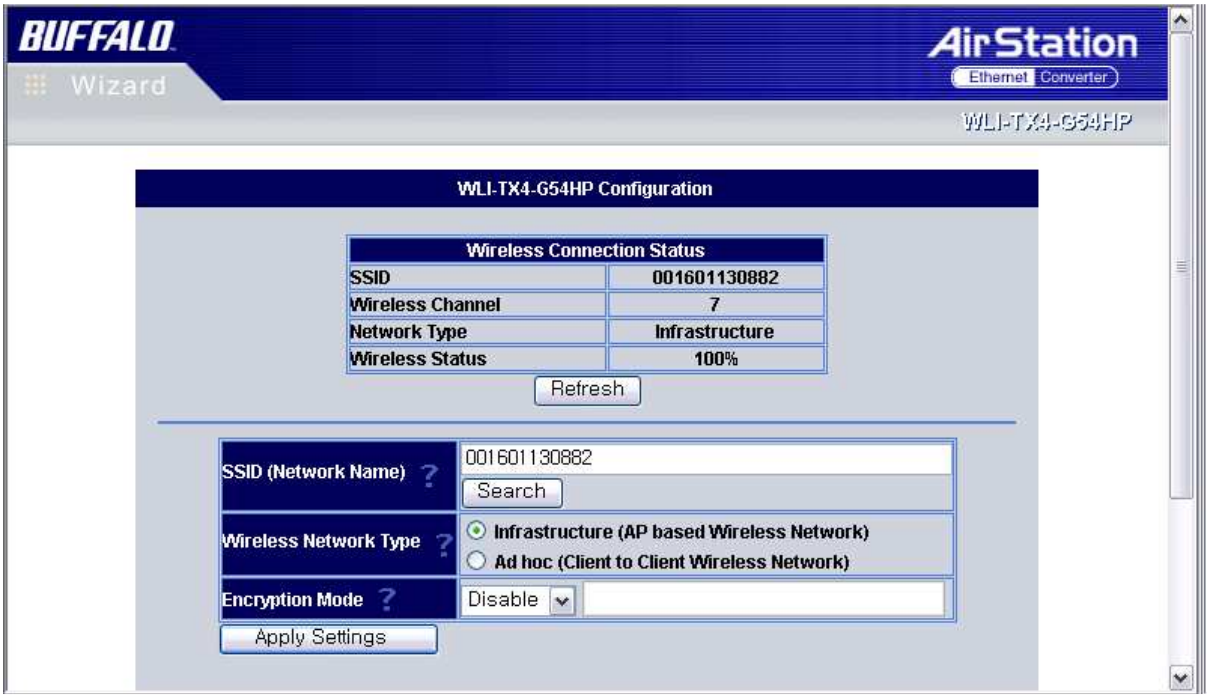


->Run the internet explorer and then input the below address to your address input box for set the Ethernet converter's SSID.



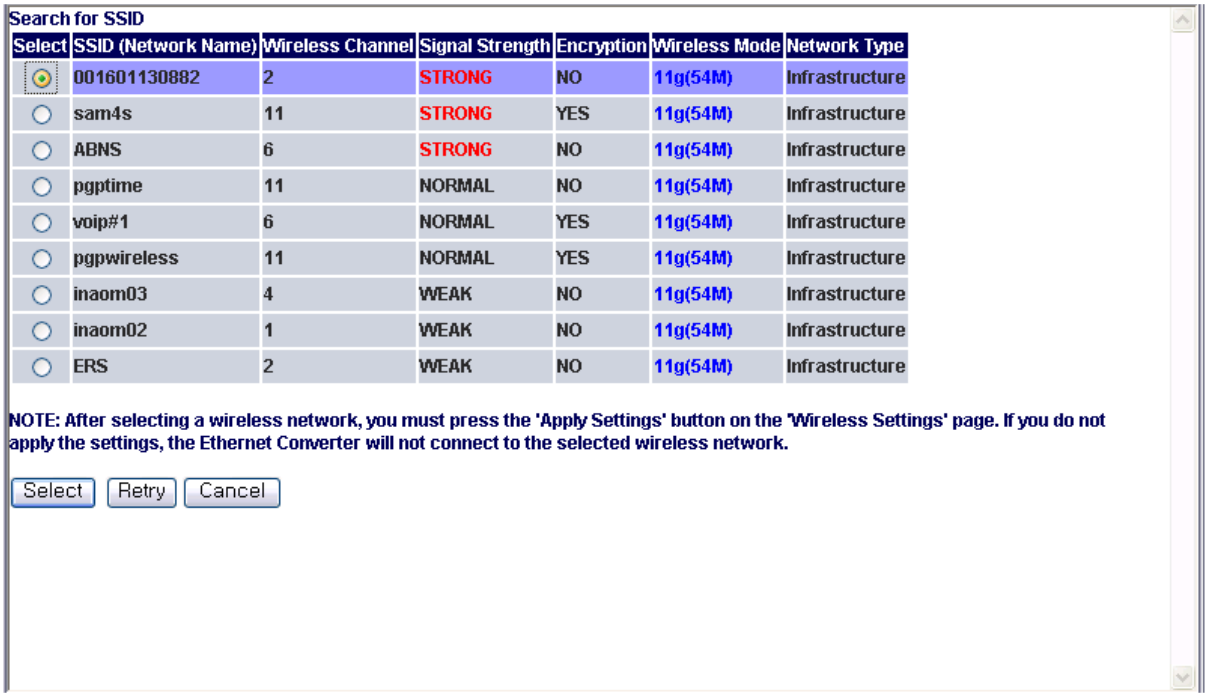
->Input the user name to "root" and blank password.

->And then search the AP's SSID(Default SSID is AP's MAC address number. Note the WHR-G54S manual)

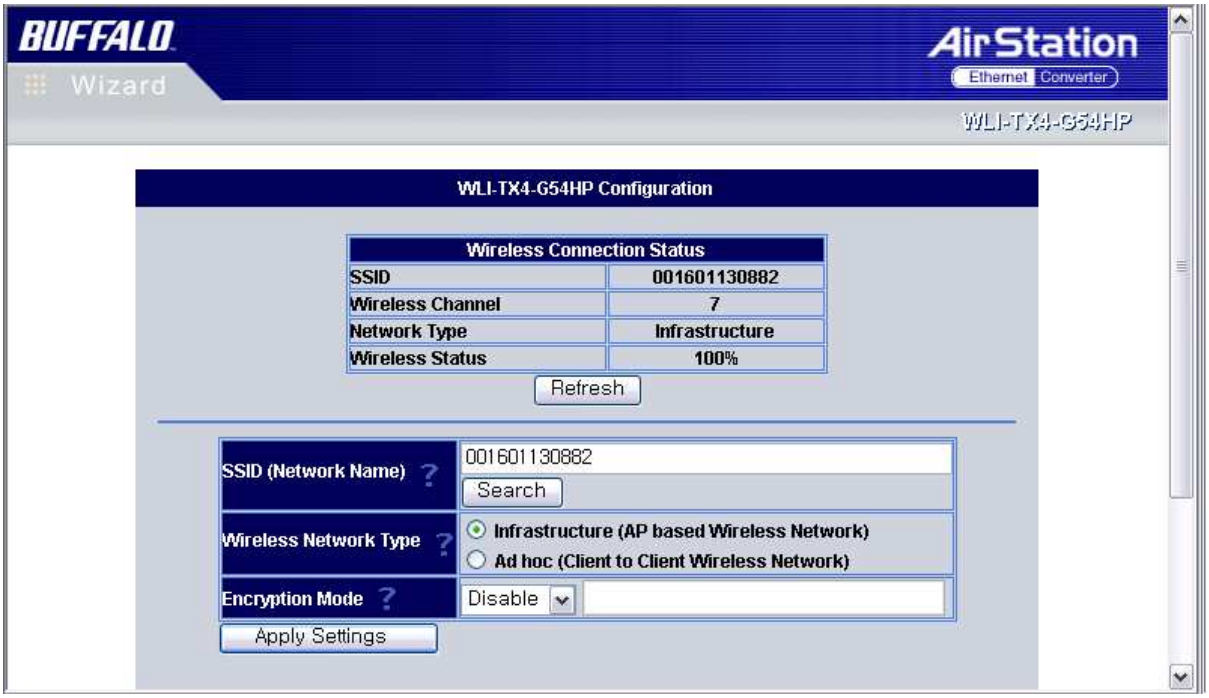


->You can see the below wireless router list when click the "Search" button.

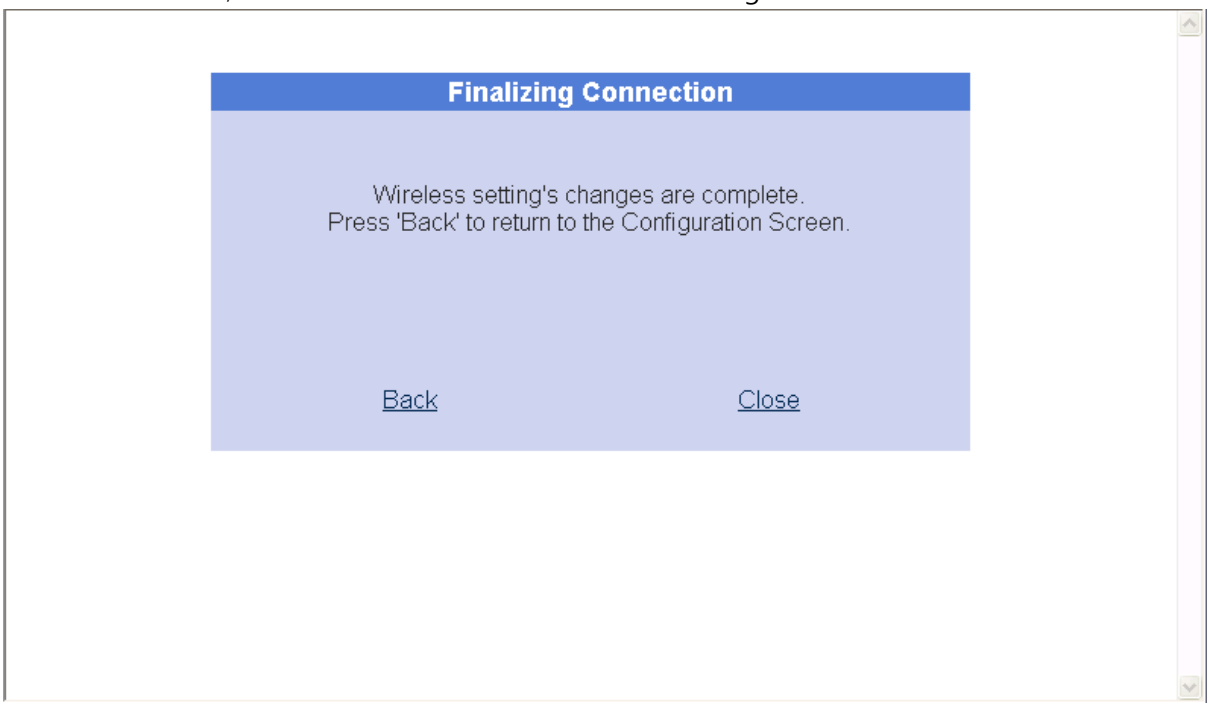
->Select the specify wireless router(WHR-G54S) and click the select button.



->And then click the "Apply Settings" button.



->Click the "Close", for close the browser and finish the configuration.



■ Set the IRC related configuration in SPS-2000

2) Use specific IP address

You can set up the specific IP address according to your network connection environment. It need set up not only router and Ethernet converter but also the SPS-2000.

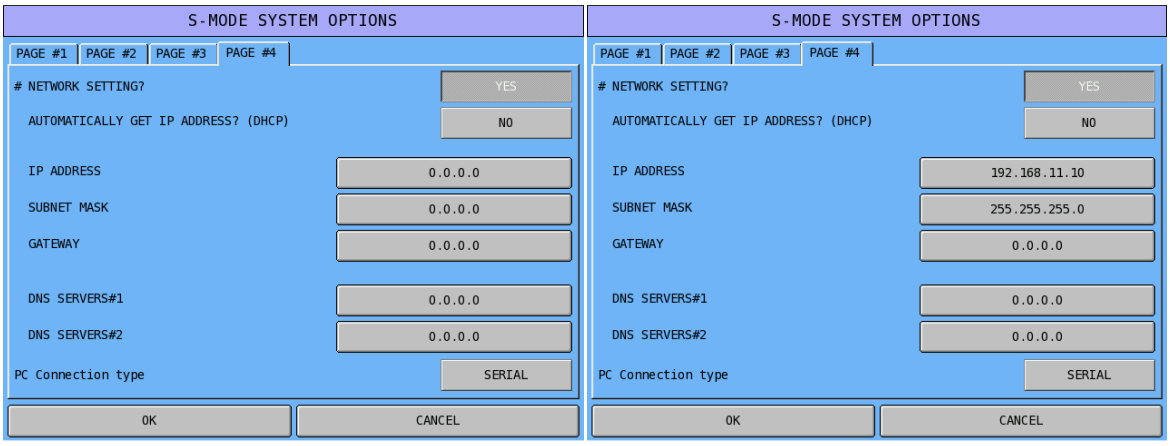
■ Set your AP's address to specific IP address by AP configuration.(ex. 192.168.11.1)

■ Search the AP's SSID for Ethernet converter(WLI-TX4-G54HP).

■ Set your SPS-2000's IP address to same subnet of your AP's configuration.

->Select the S-MODE SYSTEM OPTIONS->PAGE#4->NETWORK SETTING->YES

->Input the IP address and subnet mask to same subnet of your AP's configuration



2. DHCP

The SPS-2000 and Buffalo's smart router support the DHCP IP configuration. If you want the automatically IP address set for the IRC, check the DHCP enable button in the AP's configuration window. And SPS-2000 set the S-MODE SYSTEM OPTIONS->PAGE#4->AUTOMATICALLY GET IP ADDRESS option to "YES"(It need the NETWORK SETTING "YES" option before).