

SUBJECT: SET-UP AND RECONFIGURATION OF WIRELESS RADIO..... 2

    Computer Set-up..... 2

    Radio Set-Up ..... 5

    Wireless Radio Set-Up..... 15

    Resetting Radio to Factory Defaults ..... 21

    Restoring Configuration ..... 22

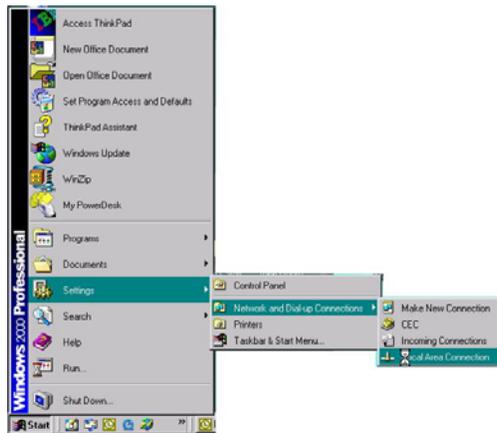
## SUBJECT: SET-UP AND RECONFIGURATION OF WIRELESS RADIO

The following procedures are to be used when setting up a new Colubris (HP) wireless radio or when the configuration needs to be modified or reloaded into an existing Colubris wireless radio.

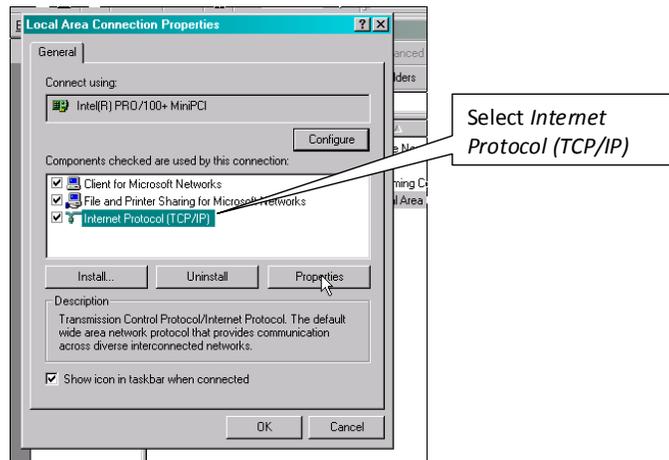
### Computer Set-up

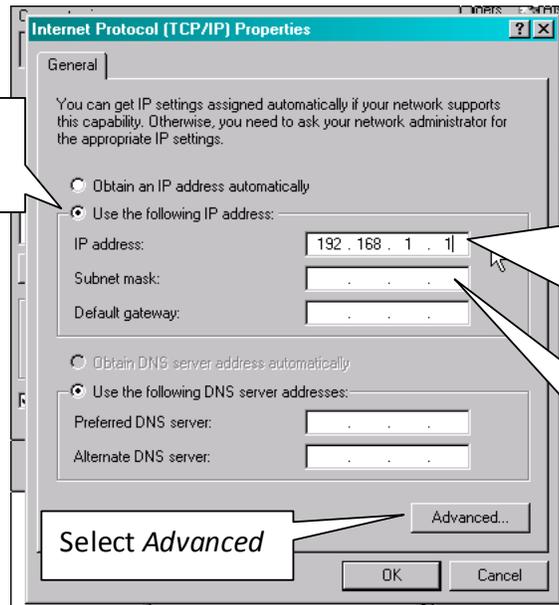
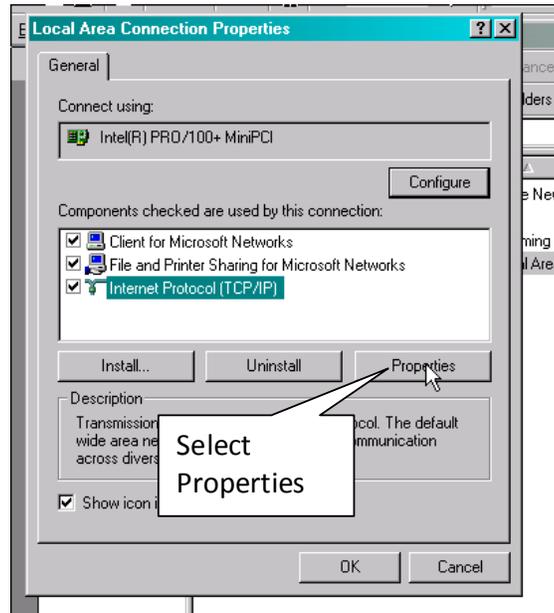
#### Setting up the computer that will be used to configure the wireless units

1. Select Start/Settings/Network and Dial-up Connections/Local Area Connection



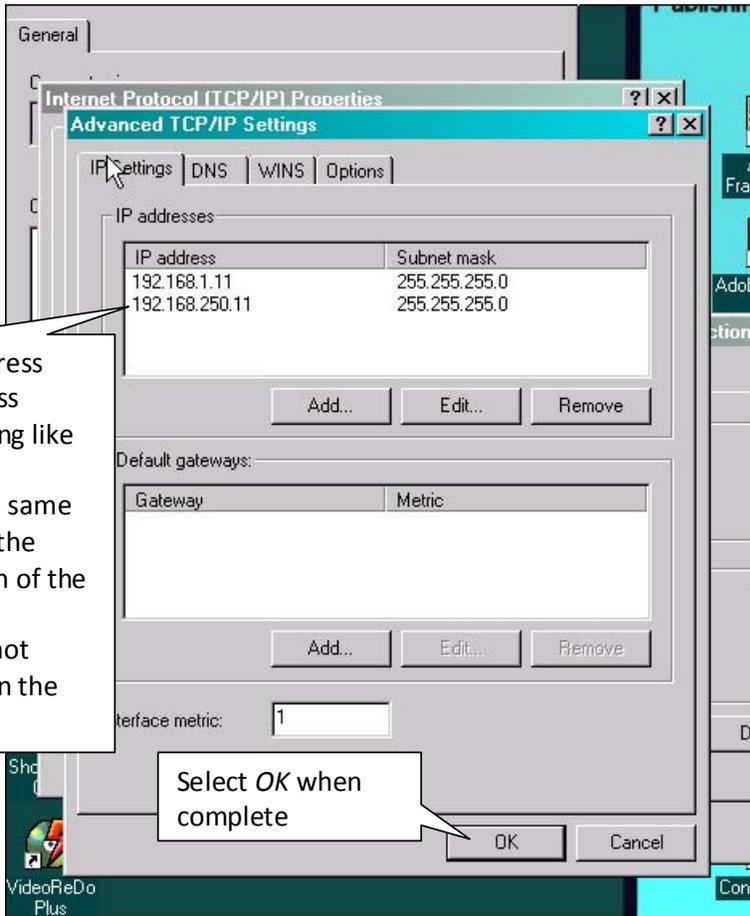
2. Select Properties





Set IP address to default of radio 192.168.1.? The last number must be something other than 1(which is radio default)

Set Subnet Mask to 255.255.255.0



Enter secondary IP address  
Do not enter the address shown – enter something like **192.168.250.?**  
This number will be the same as the IP addresses for the carts with the exception of the last number.  
The last number must not match any IP address on the AGV network.

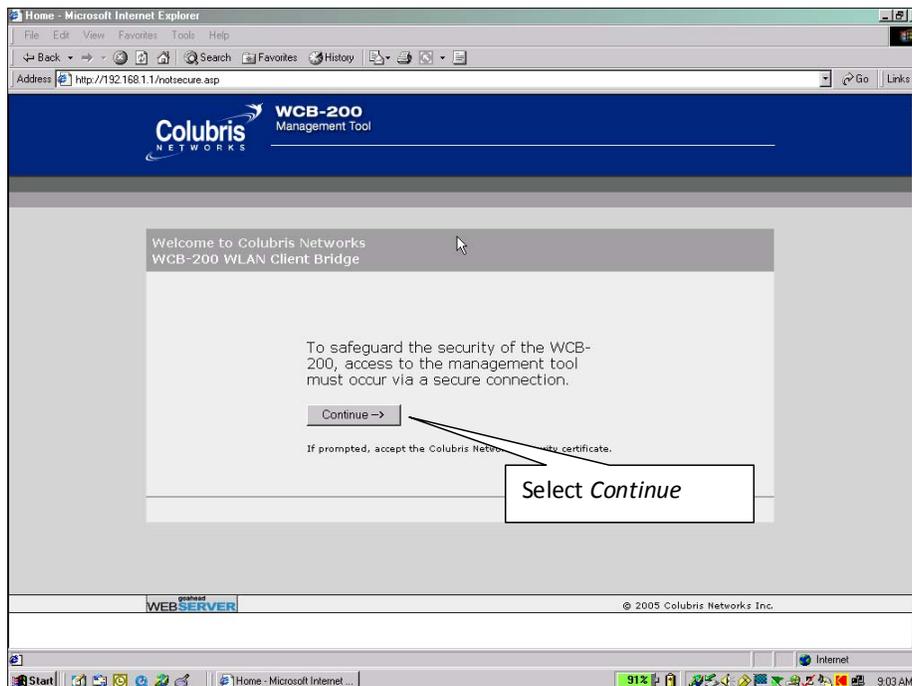
Select OK when complete

IP address	Subnet mask
192.168.1.11	255.255.255.0
192.168.250.11	255.255.255.0

Gateway	Metric
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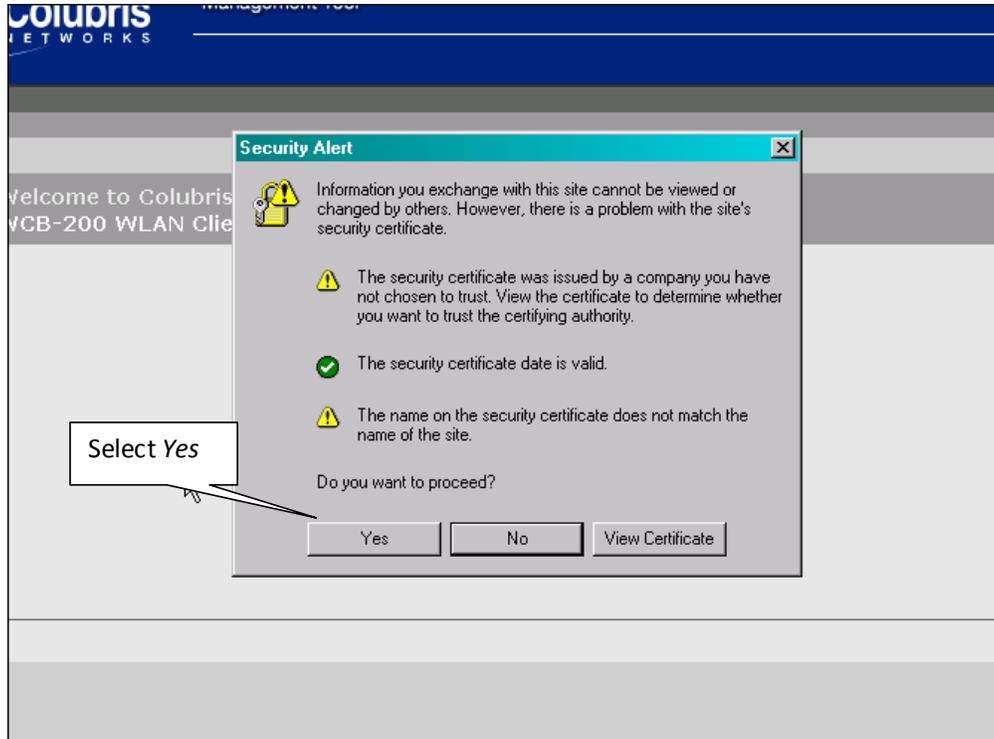
## Radio Set-Up

1. Connecting and Logging In: Connect an Ethernet cable to the wireless unit and power the wireless unit on.
2. Open Microsoft Internet Explorer
3. Colubris welcome screen will display – select Continue

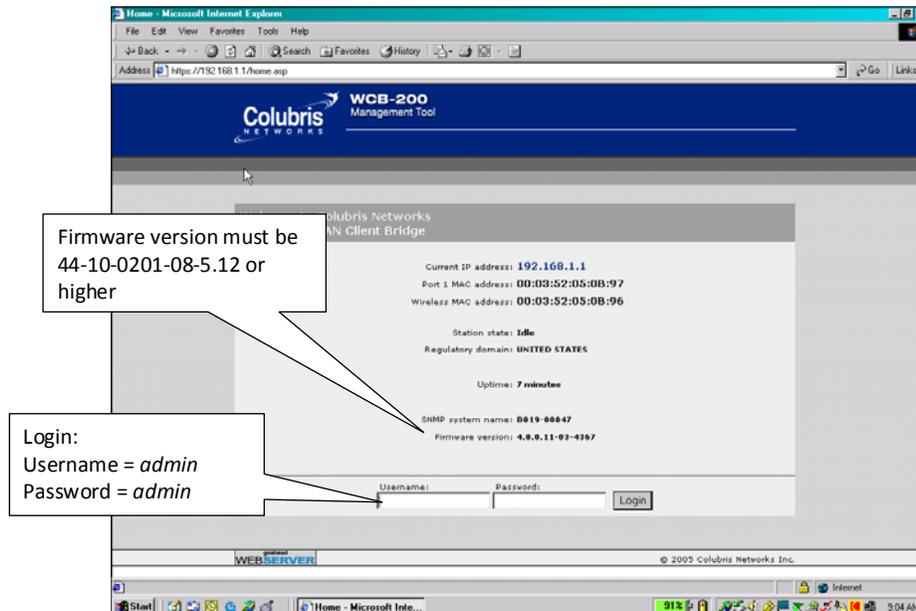




4. Security Alert screen will display – select Yes to continue

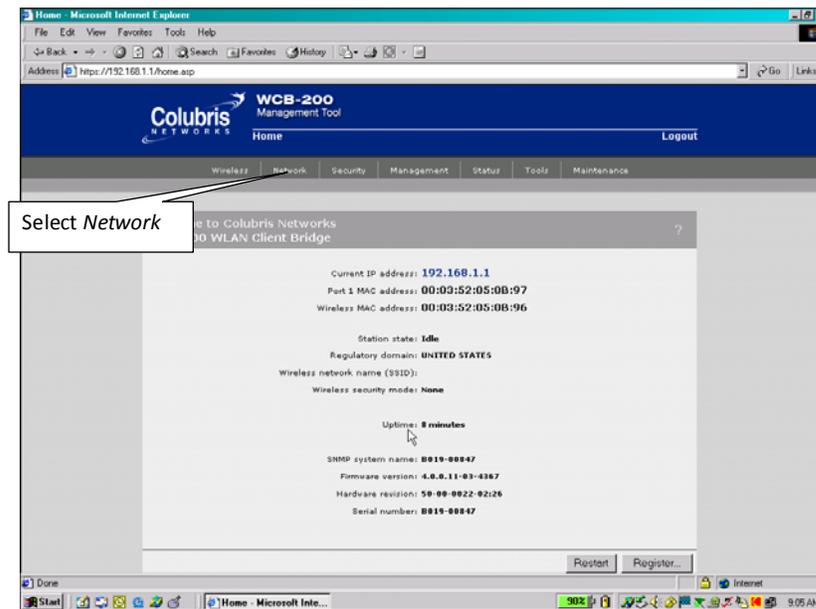


5. Login screen will appear
  - Confirm the firmware is 44-10-0201-08-5.12 or higher
  - Login with username admin and password admin

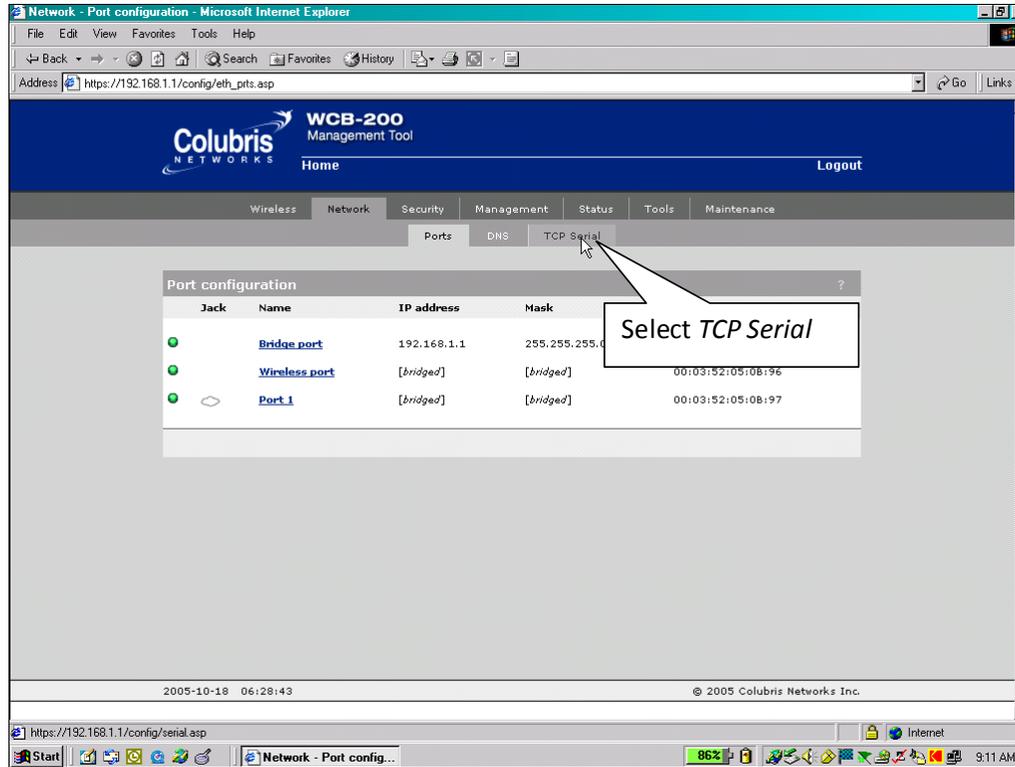


6. Serial Port Set-up:

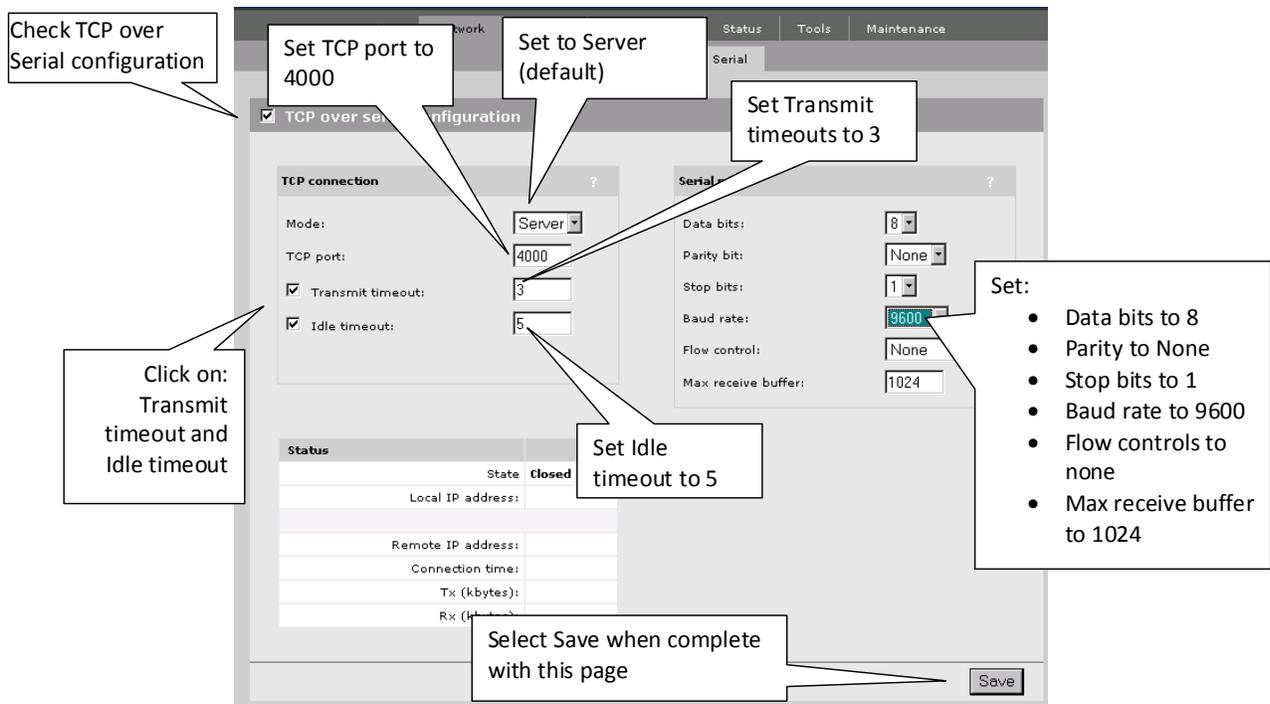
- After login, set-up entry screen will display set-up tabs, select Network



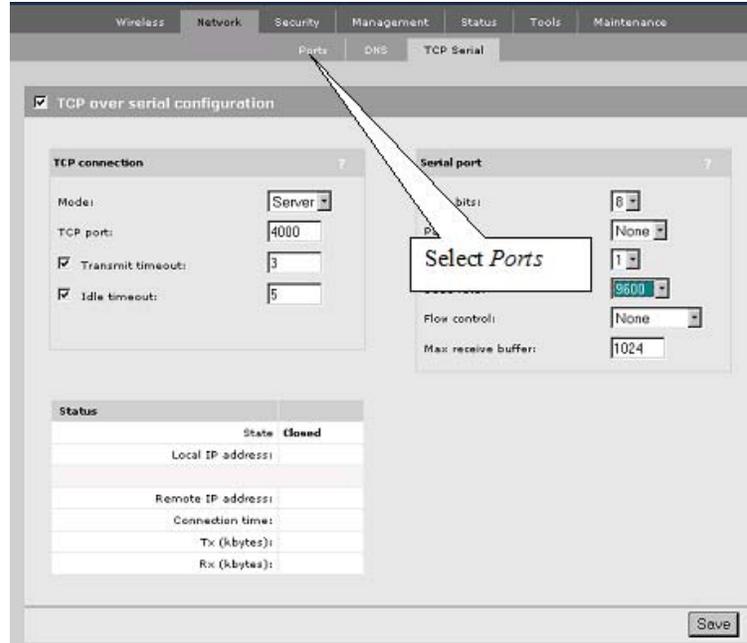
7. Select TCP serial



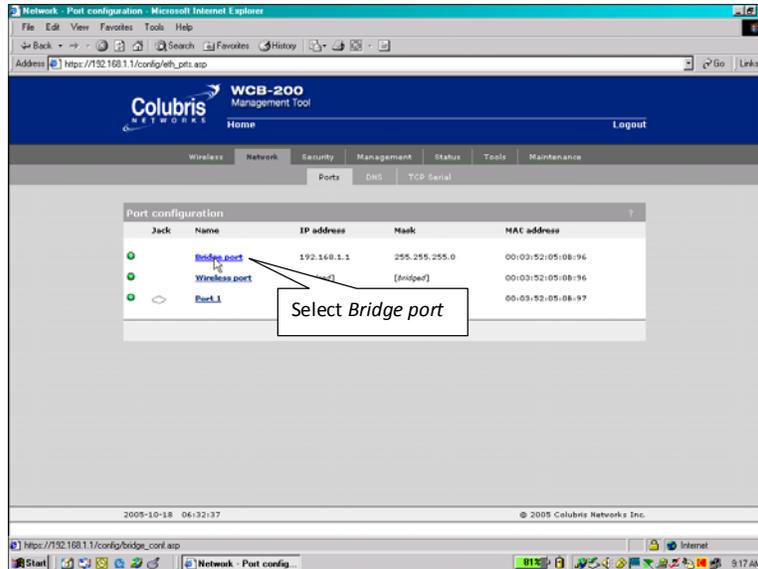
8. Click on TCP over Serial configuration
  - Leave Mode set to Server (default)
  - Set TCP Port to 4000
  - Click on Transmit timeout, set Transmit timeout to 3
  - Click on Idle timeout, set Idle timeout to 5
  - Set: Data bits to 8
  - Parity to None
  - Stop bits to 1
  - Baud rate to 9600
  - Flow controls to none
  - Max receive buffer to 1024
  - Select Save when complete with this page



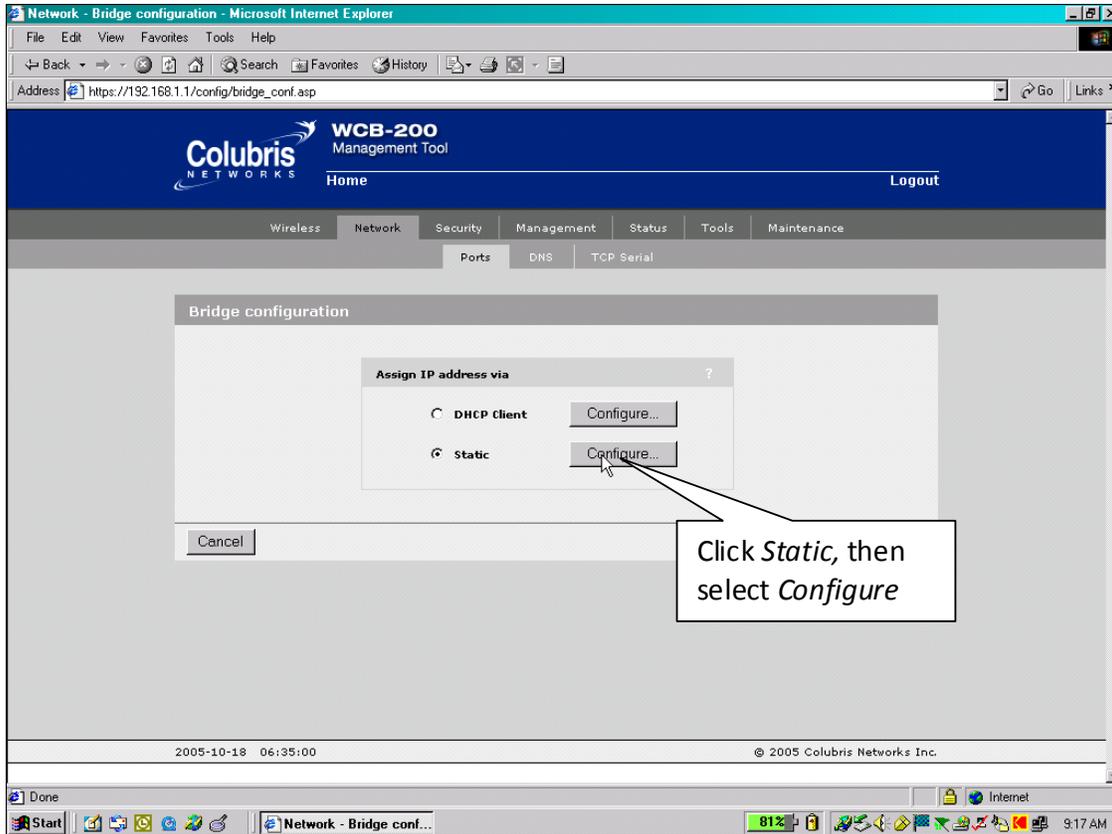
### 9. IP Address Setup: Select Ports



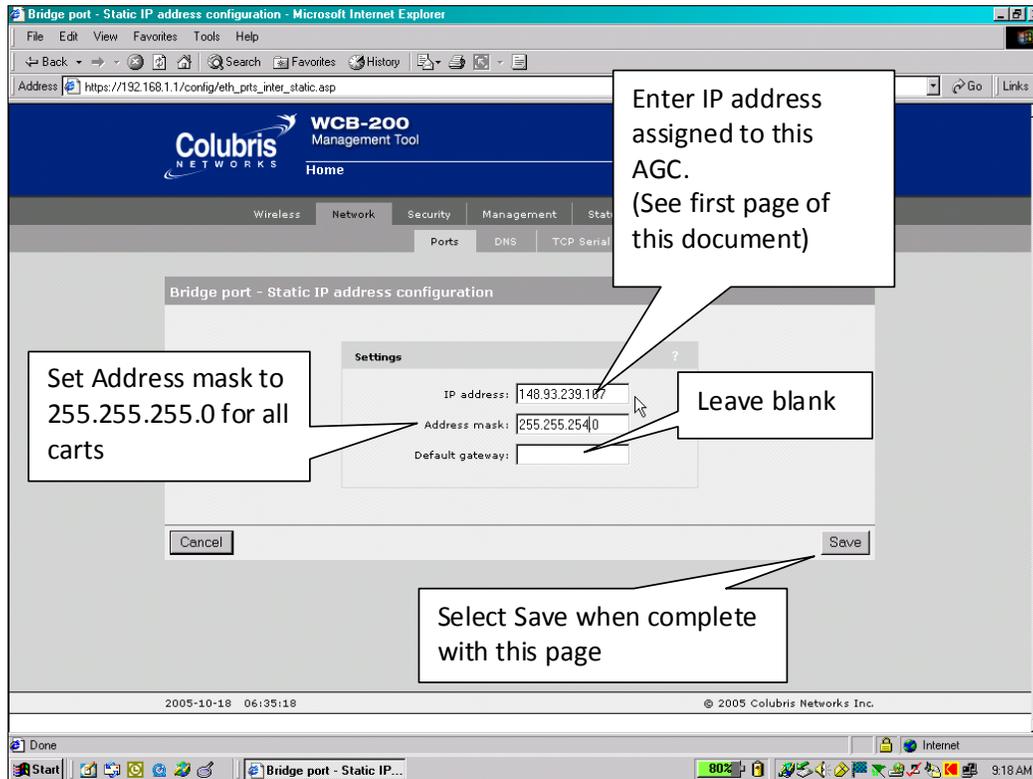
10. Select *Bridge port*



11. Click on Static, then select *Configure*



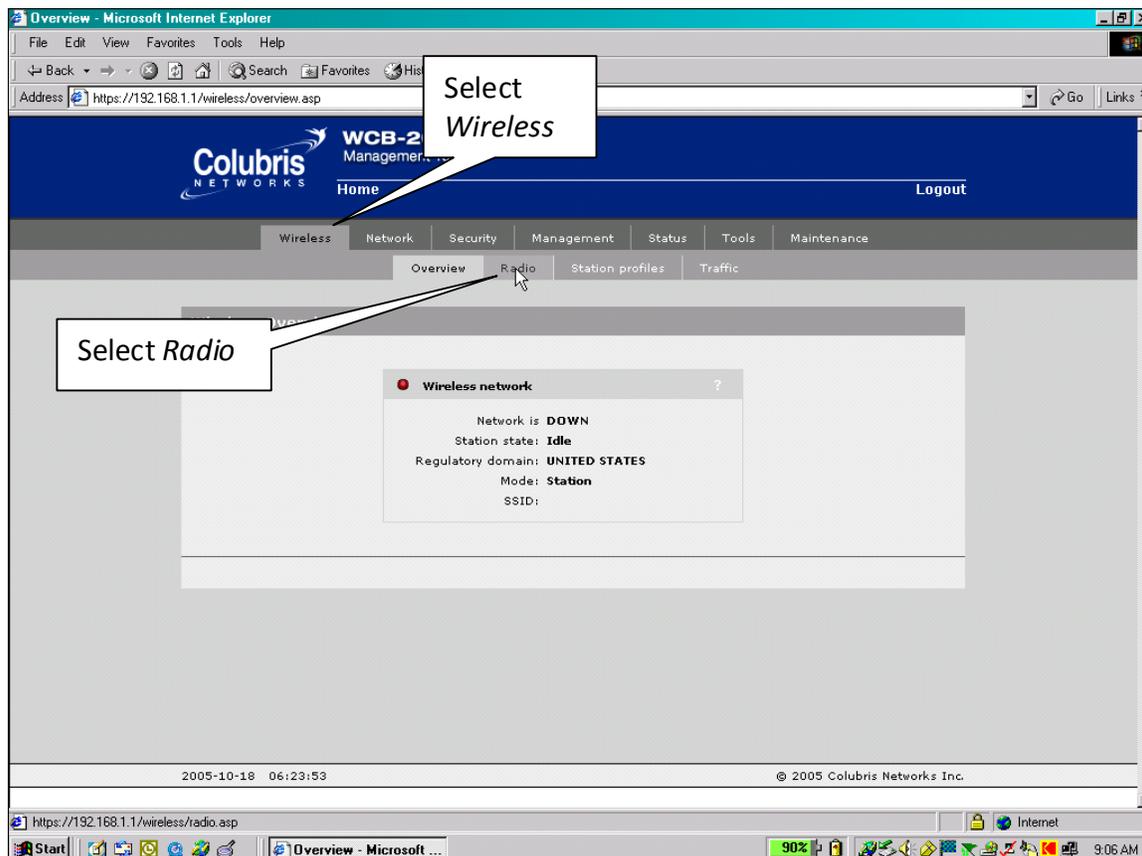
12. Enter proper IP Address for the AGC (see first page of document)
  - Set Address mask to 255.255.255.0
13. Click on 'Save' when changes to page are complete



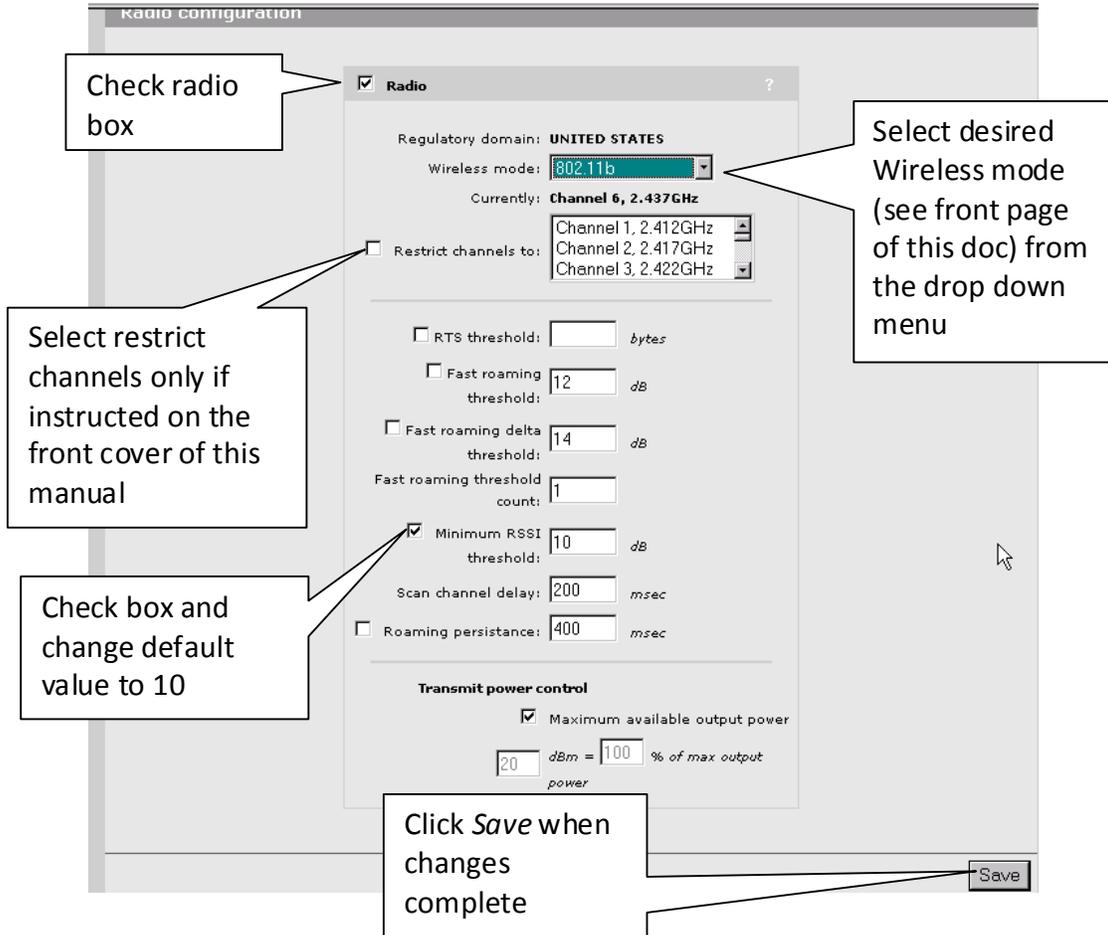
**Note:** Radio will no longer communicate with set-up computer. Re-establish communications by addressing IP address that you just entered into the radio in the address line of Microsoft Internet Explorer. Log back in to the radio as earlier performed.

## Wireless Radio Set-Up

1. Select Wireless
2. Select Radio

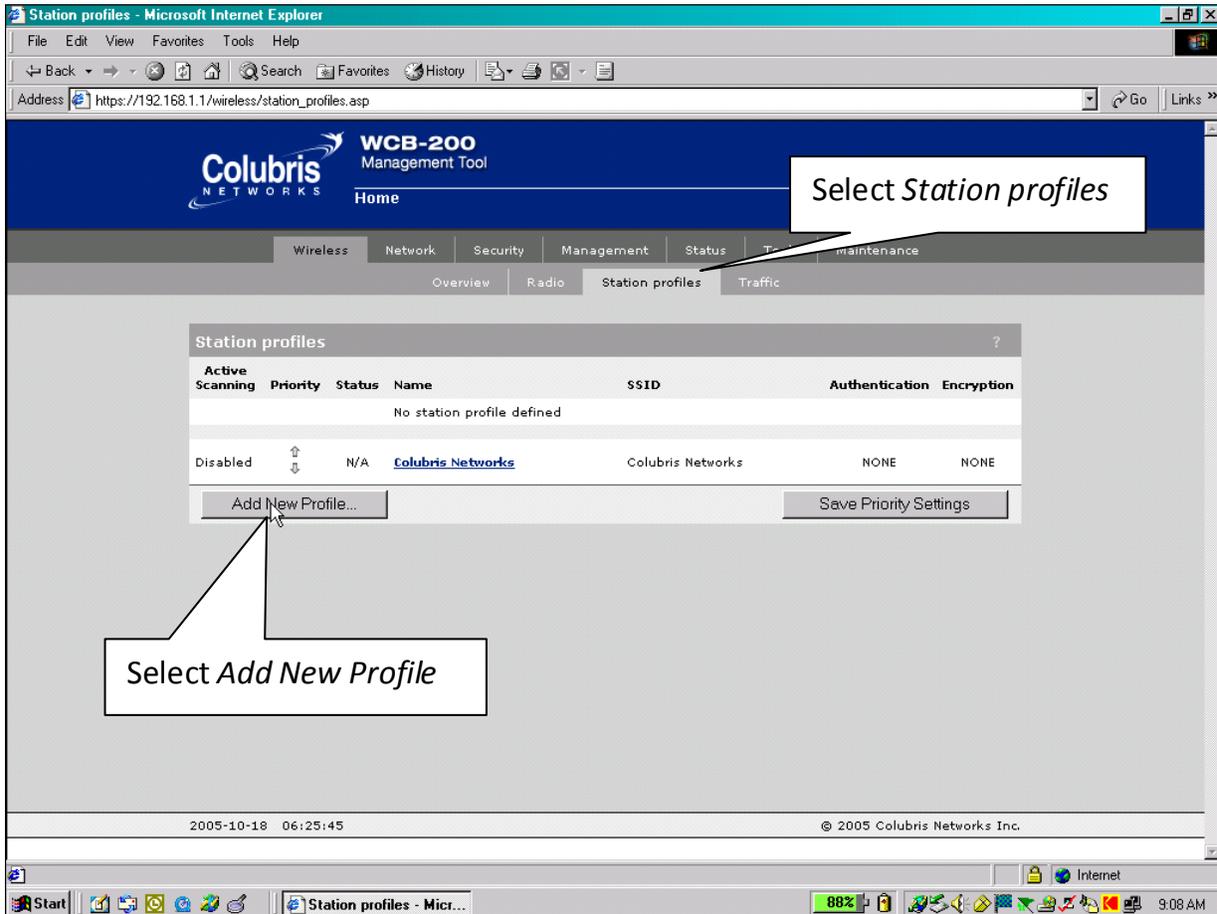


3. Check radio box
4. Select Wireless mode desired (see front page of this document) from drop down menu
5. Check Minimum RSSI box, set to 10
6. Click 'Save' when page changes are complete

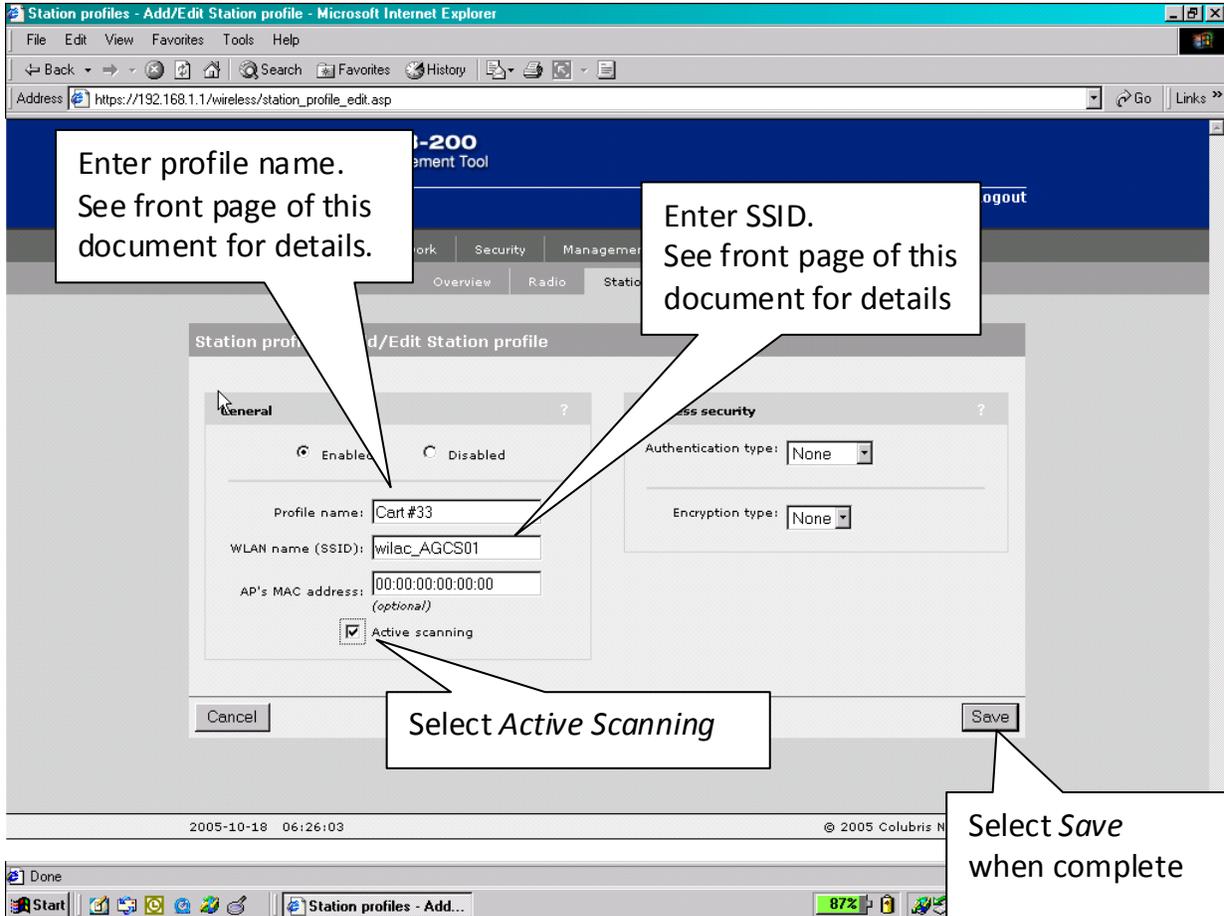


7. AGC ID Setup

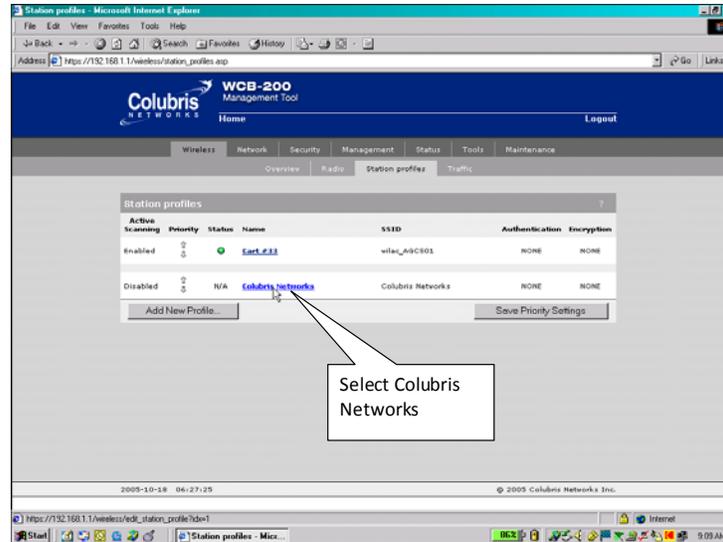
- Select Station profiles
- Select Add New Profile



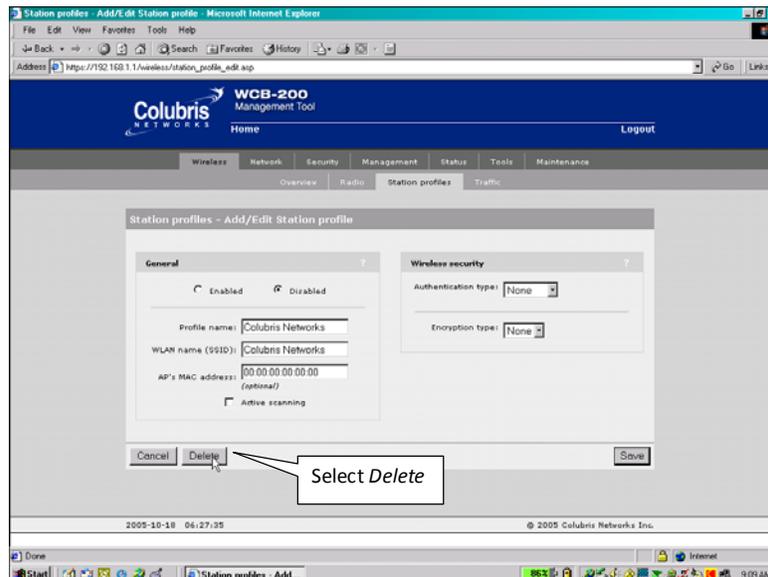
8. Enter profile name (AGC ID)
9. Enter SSID
10. Select active scanning
11. Click *Save* when complete



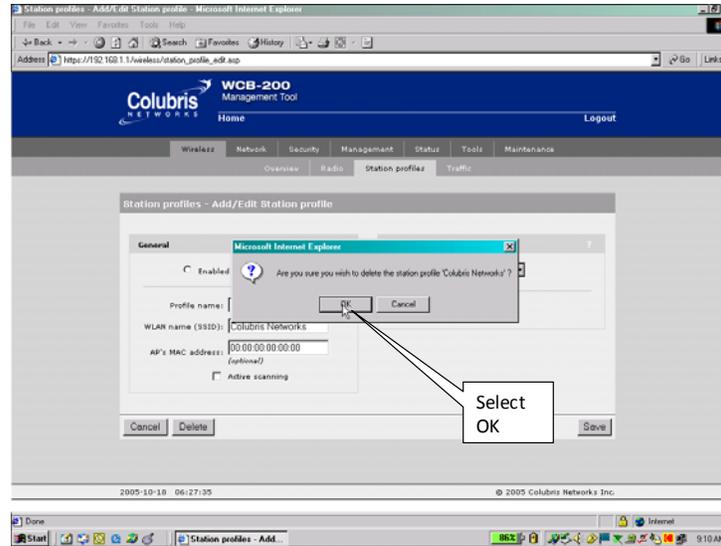
12. To delete unnecessary Station, cick on Colubris Networks



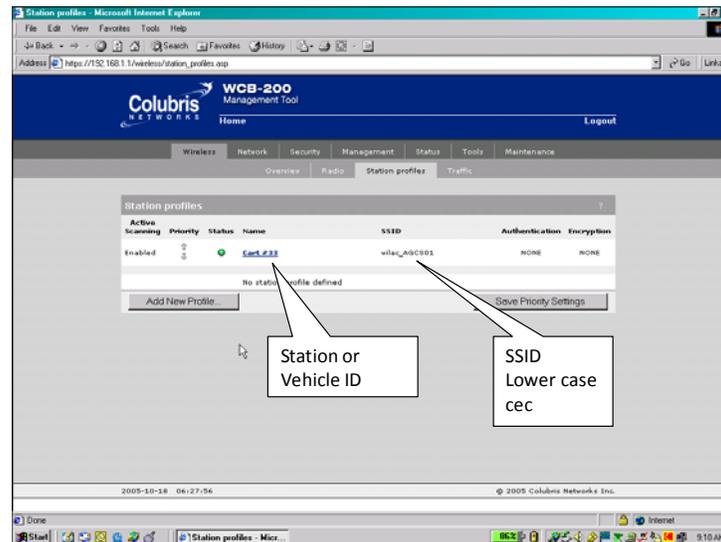
13. Click on Delete



14. Click on OK



15. Screen after deletion of Colubris Networks

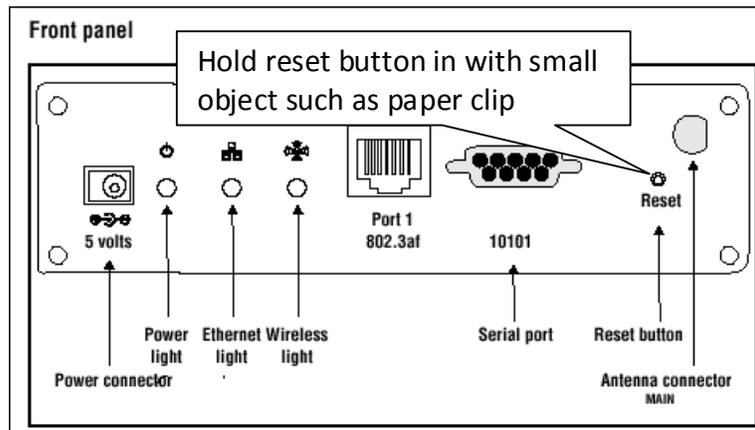


16. Select Logoff and disconnect Radio – set-up is complete

## Resetting Radio to Factory Defaults

In the event that you cannot connect to the radio due to an error in the IP address you can “hard” reset the radio back to the original factory configuration.

1. To perform a “hard” reset:
2. Press and hold the reset button (while power is applied). All the lights on the WCB-200 back panel will light up.



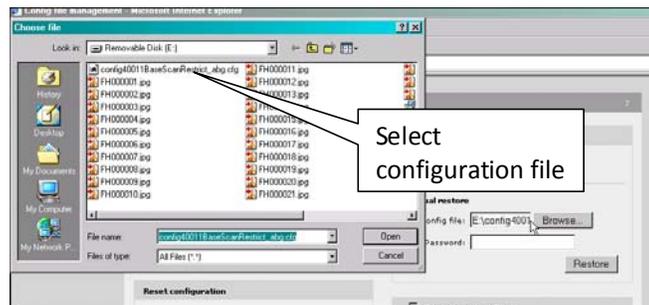
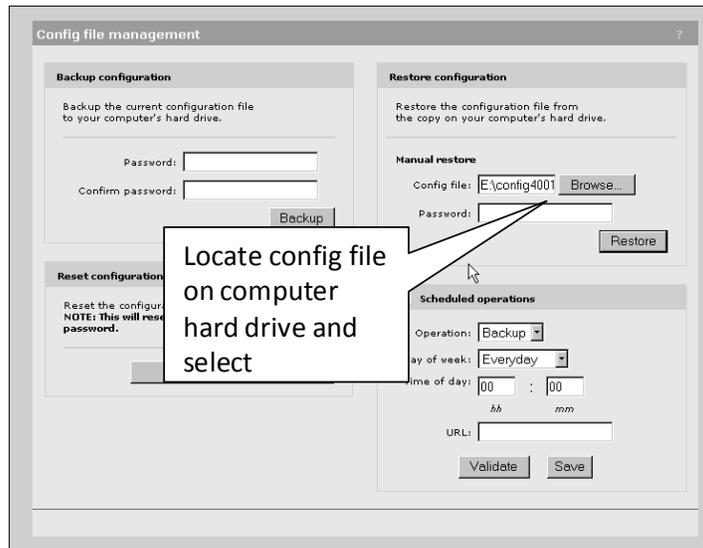
3. When the lights begin to flash (after about 5 seconds), immediately release the button.
4. The WCB-200 will restart with factory default settings. When the power light stops flashing, the WCB-200 is fully operational.

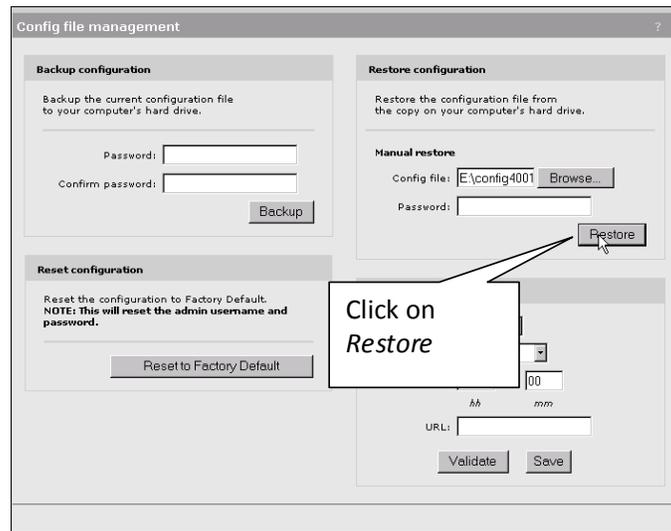
**Note:** If the WCB-200 is hard reset the configuration file must be reloaded to the radio.

## Restoring Configuration

In the event that the radio is “hard” reset, the base configuration file will need to be reloaded before proceeding with the complete set-up.

1. Select Maintenance from the main menu
2. Select Config file management from the sub menu





3. Configuration and Firmware File Names

4. Following are the names of the Firmware and Configuration files. If the Radio has been hard reset the only file that needs to be reloaded before setting up the radio is the configuration (.cfg). After reloading the configuration file then proceed to set-up radio per this instruction package.

- 4.1.1.80-03-XXXX.cim or higher
- config40011BaseScanRestrict\_abg.cfg