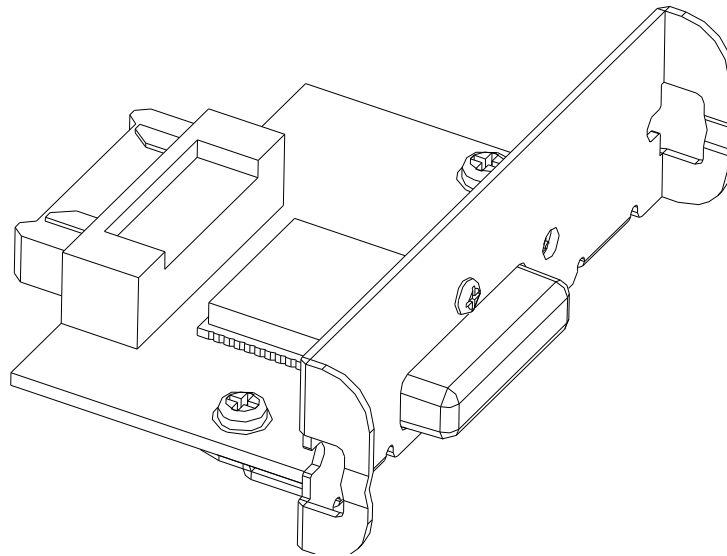


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**STEP-5e**  
**CT2-T8-FW001**  
**Wireless Card Setup Guide**



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## **Revision Information**

Revision	Page	Altered Items Contents
Rev.1.0	All pages	

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## **1. MANUAL INFORMATION**

This WLAN manual provides information on the connection of wireless network with the POS printer .

We at DASCOM maintain ongoing efforts to enhance and upgrade the functions and quality of all our products. In following, product specifications and/or user manual content may be changed without prior notice.

## **2. PRECAUTIONS**

2-1 The printer has to be within 100m(Out door) from AP(Access point) to connect WLAN. Although 35m is able to communicate in door, WLAN could be affected by environment to be shorten.

2-2 The maximum separating distance may be shortened if transmission obstacles, such as cement walls, are present

2-3 If a device (such as a microwave oven, wireless LAN, etc.) that uses the same frequency is present, transmission may be interrupted. Separate the printer and Bluetooth-enabled device from such interrupting devices by a distance of at least 5m.

### 3. SPECIFICATIONS

CATEGORIES	FEATURE	IMPLEMENTATION
Wireless Specification	Wireless Standard	IEEE802.11b, IEEE802.11g,IEEE802.11n
	Frequency Range	2.412~2.484GHz
	Transmit Power	802.11b: +16±2dBm(@11Mbps)
		802.11g: +14±2dBm(@54Mbps)
		802.11n: +13±2dBm(@HT20, MCS7)
	Receive Sensitivity	802.11b: -93dBm(@11Mbps, CCK)
		802.11g: -85dBm(@54Mbps, OFDM)
		802.11n: -82dBm(@HT20, MCS7)
Hardware Specification	Antenna options	Inner:onboard PCB antenna
		Outer:I-PEX connector,SMA connector
	Data interface	UART
		SPI,PWM,GPIO
	Operating voltage	2.8~3.6V
Software Specification		sending duration:~200mA(peak) normal mode:~12mA(average),200mA(peak)
	Wireless network type	STA/AP/STA+AP
	Security mechanism	WEP/WPA-PSK/WPA2-PSK
	Encryption type	WEP64/WEP128/TKIP/AES
	Firmware upgrade	Local wireless,remote update
	Network protocol	IPv4,TCP/UDP/FIP/HTTP

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## 4. HOW TO INSTALLATION

WLAN can be configured through the printer's Wi-Fi card.

1. Be sure that the power for the printer and host computer is turned off.
2. Install the interface board in the printer.(If an interface circuit board is already installed, remove it and install the Wi-Fi card.)



3. Tighten the screws.

If you have removed an interface circuit board that was already installed, fix the Wi-Fi interface board using the removed screws.

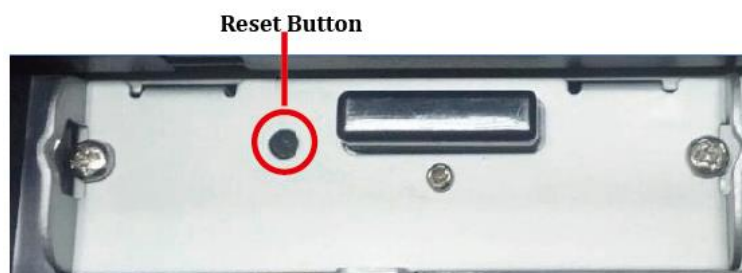


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## 5. PARAMETERS CHECKING AND RESETTING ILLUSTRATION OF WI-FI CARDS

### ① Wi-Fi card parameter checking:

Press the reset button on the interface card round hole when the printer is power on, the printer will print software edition and the TCP/IP setting information of the interface card.



### ② Wi-Fi card parameter resetting:

Press the button on the communication card round hole then power on. The parameter on the communication card is renewed to the original situation.

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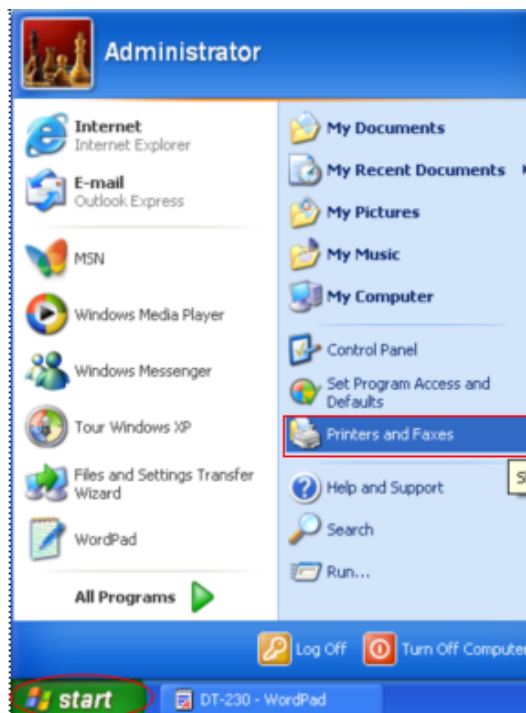
## 6. FACTORY RESET VALUES

Printer Name	Printer Name	*Printer model (DT-230)
	Printer Port Num	9100
	User ID	admin
	User Password	password
Protocol	FTP	Disable
	TELNET	Disable
	HTTPS	Disable
	SNMP	Disable
		Community Name(Read) : "public"
		Community Name(Write) : "private"
		Trap IP Address : 192.168.0.33
Authentication	Open System	None
	Shared key	None
Network	Network Mode	Ad-hoc, channel 1
	SSID	HF-LPB100
	Inactivity time	10
	IP Assignment Method	manual
	IP, Subnet, Gateway	IP : 192.168.0.31 Subnet : 255.255.255.0 Gateway : 192.168.0.1

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## 7. ETHERNET/WLAN TEST BY USING WINDOWS TEST PAGE

- 1) Install the printer driver.
- 2) Click the [Start] button, and then select “Printers and Faxes.”

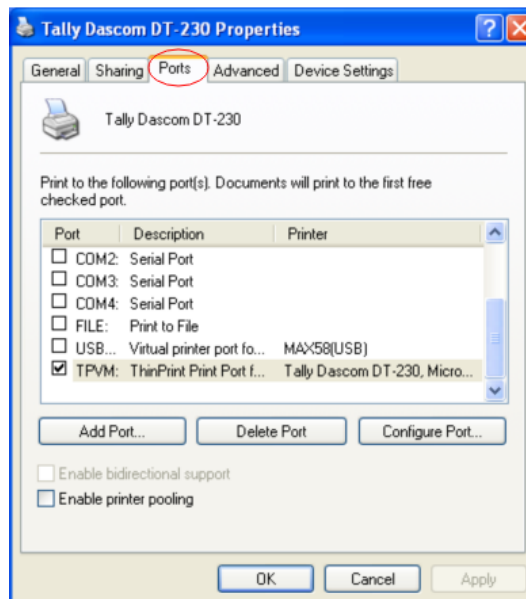


- 3) Select and right click on the corresponding printer model, and then select “Properties.”

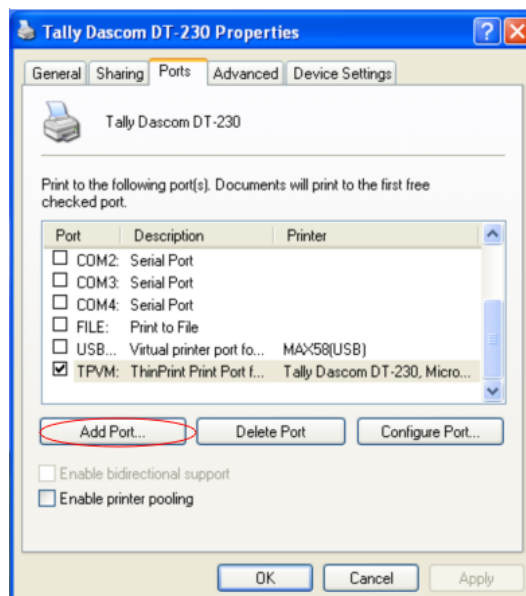


- 4) Select the “Ports” tab from the “Properties” window.

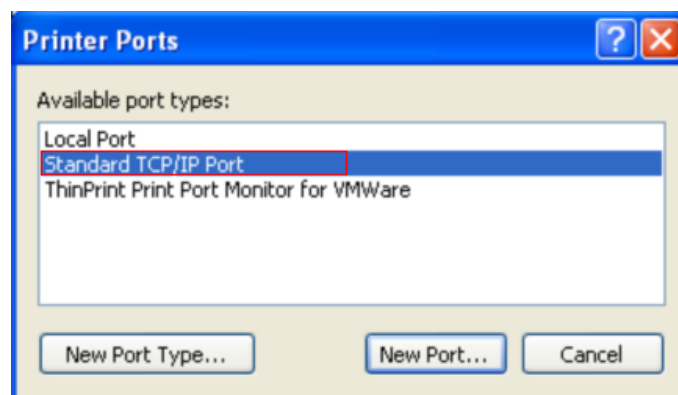




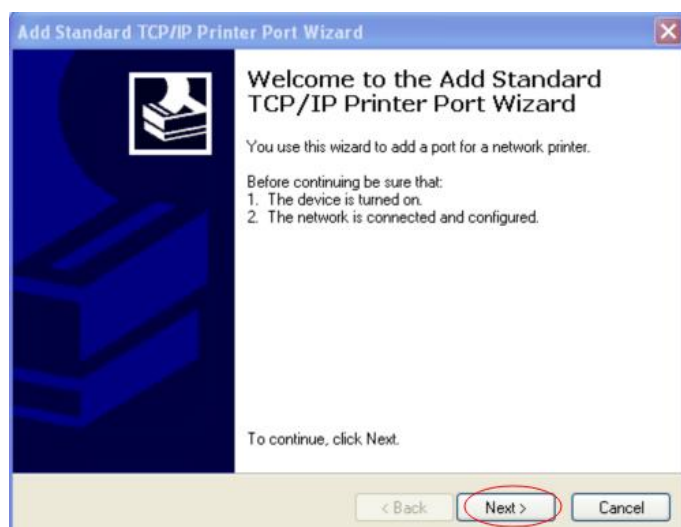
5) Click "Add Port...".



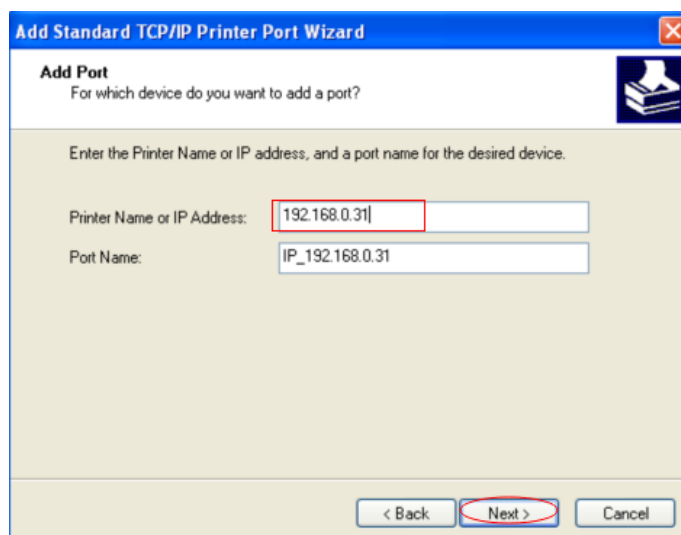
6) Select "Standard TCP/IP Port" and click "New Port...".



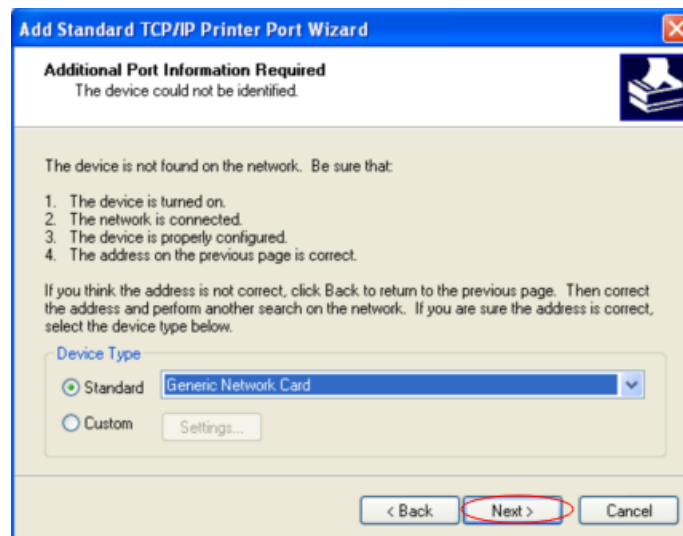
7) Click the [Next] button in the “Add Standard TCP/IP Printer Port Wizard” window.



8) Enter the IP address assigned to the printer in the “Printer Name or IP Address” field in the “Add Port” pop up window, and then click the [Next] button.



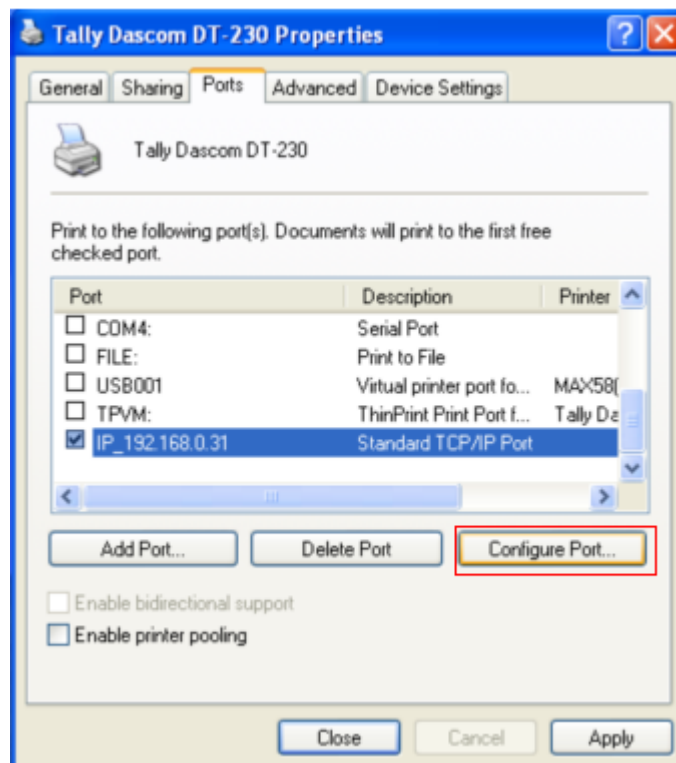
9) Click the [ext] button at the “Add Standard TCP/IP Printer Port Wizard” window.



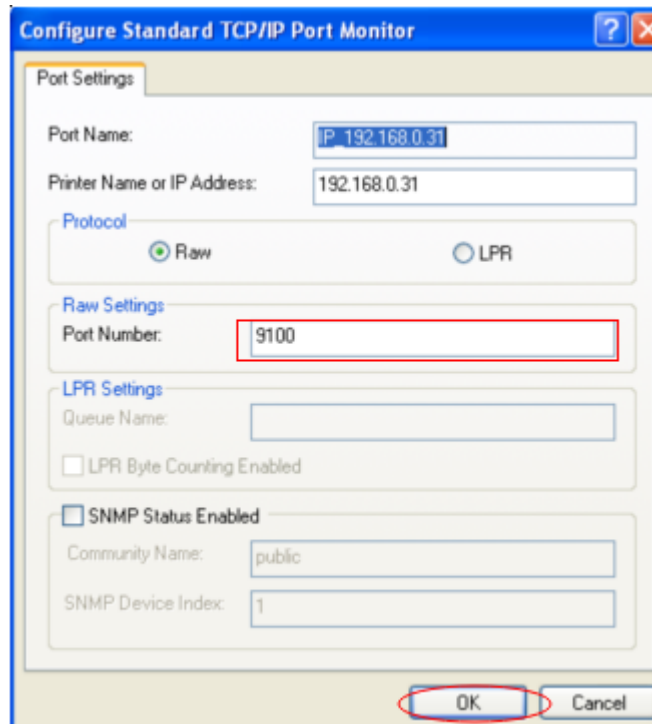
10) Click the [Finish] button at the “ Add Standard TCP/IP Printer Port Wizard” window.



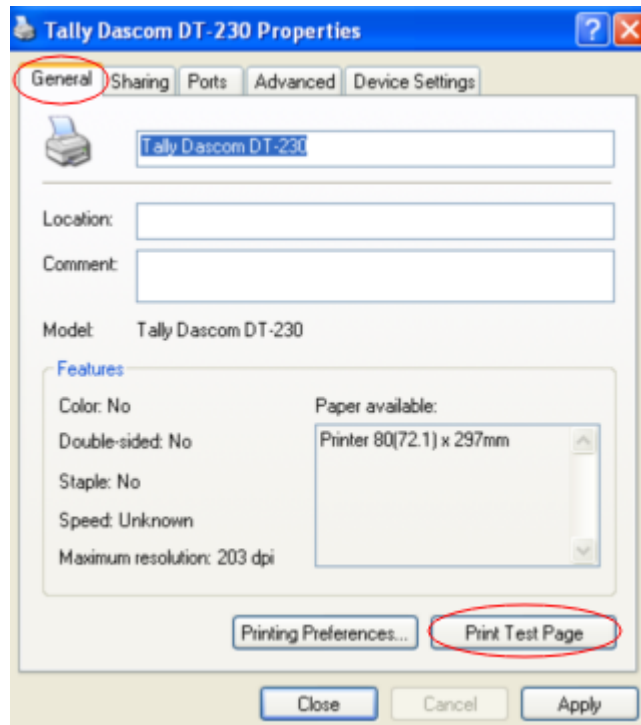
11) Click the “Configure Port...” button in the “Properties” window.



12) Enter the same number as the local port number set during the installation of the interface card in the “Port Number” field in the Raw Settings, and then click [OK] when you finish entering the required values.  
[Note] Do not change any other items except the RAW Settings.



13) Select the “General” tab in the “Properties” window, and then select the “Print Test Page” to check the printing status



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## 8 WI-FI SETTINGS

### Wi-Fi work mode:

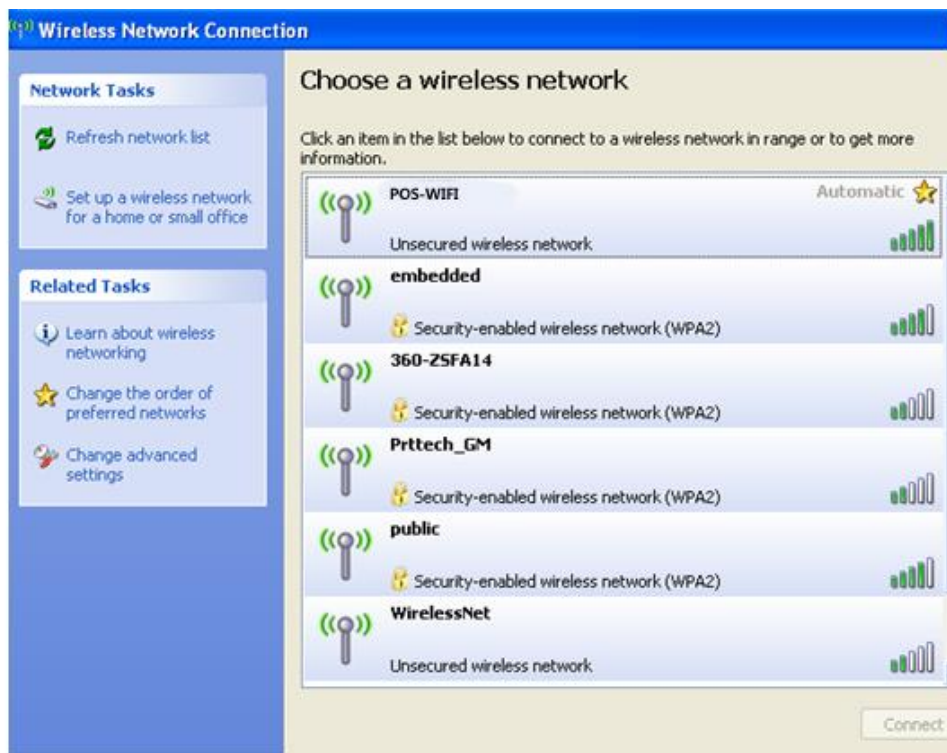
AP mode: when printer under AP mode, it works as an access point.

STA mode: when printer under STA mode, it works as a wireless terminal, which could find and connect to AP.

To allow users to conveniently make Wi-Fi setting change, AP mode has been set to default. User could use PC to connect to the printer by web browser. After entering Wi-Fi setting page, users could switch to STA mode accordingly and make other setting changes, for example IP address, SSID.

#### 1. Entering Wi-Fi setting page:

- 1) Power on the printer.
- 2) Enable Wi-Fi on the PC, and search for "POS-WIFI".



- 3) Open web browser, and enter <http://192.168.0.XXX> (this IP address is printed on the Wi-Fi configuration page).

**How to print Wi-Fi configuration page:** power on the printer, long press the Wi-Fi reset button (see below picture), then printer will print the configuration page.



**NOTE:** Hold Wi-Fi reset button, at same time power on the printer, Wi-Fi

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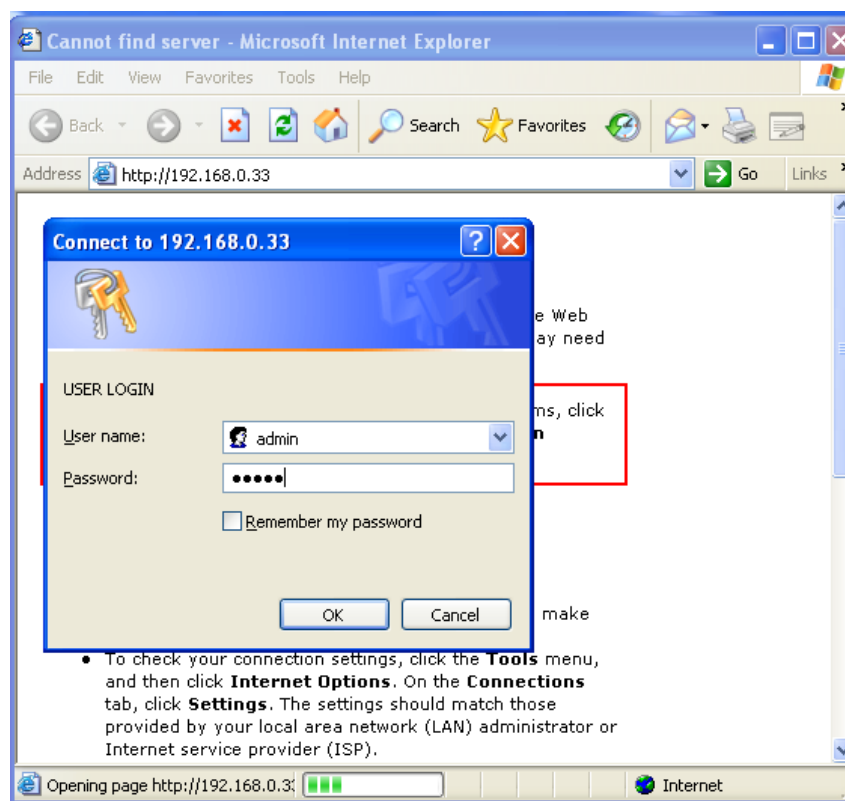
*settings will be set to factory default.*

Example of Wi-Fi configuration page, which shows the IP address of 192.168.0.33.

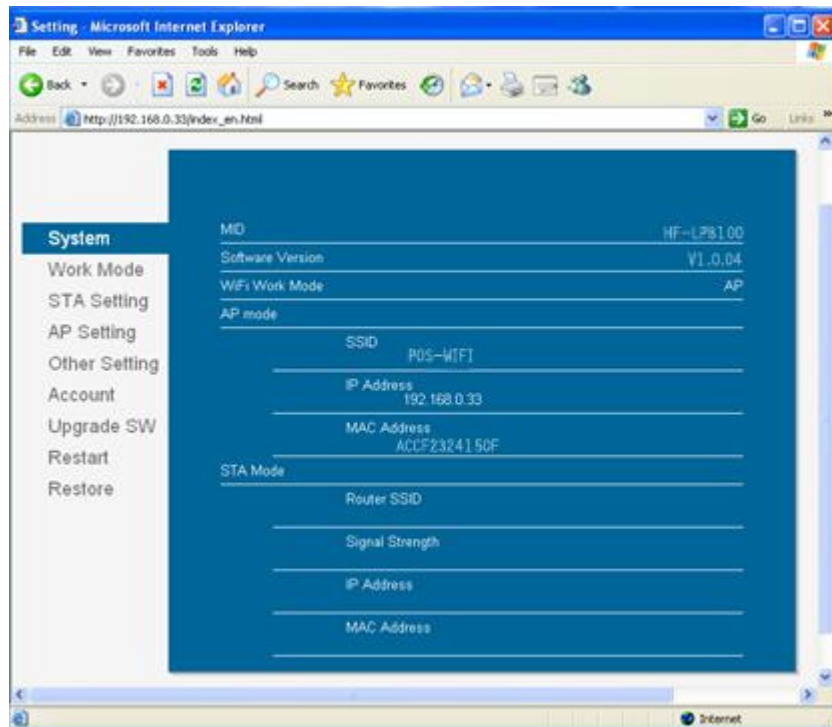
```
*****
Wireless Status
WIFI Work Mode :AP
Firmware       :V1.0.4

AP Information
SSID           :POS-WIFI
Encryption     :Disable
Encryption Key  :N/A
IP Address     :192.168.0.33
Subnet Mask    :255.255.255.0
DHCP Gateway   :192.168.0.33
MAC Address    :ACCF2324150F
DHCP Server    :Enable
*****
```

- 4) Use Internet Explorer or other web browser to open <http://192.168.0.33>, input  
user name: admin;  
password: admin

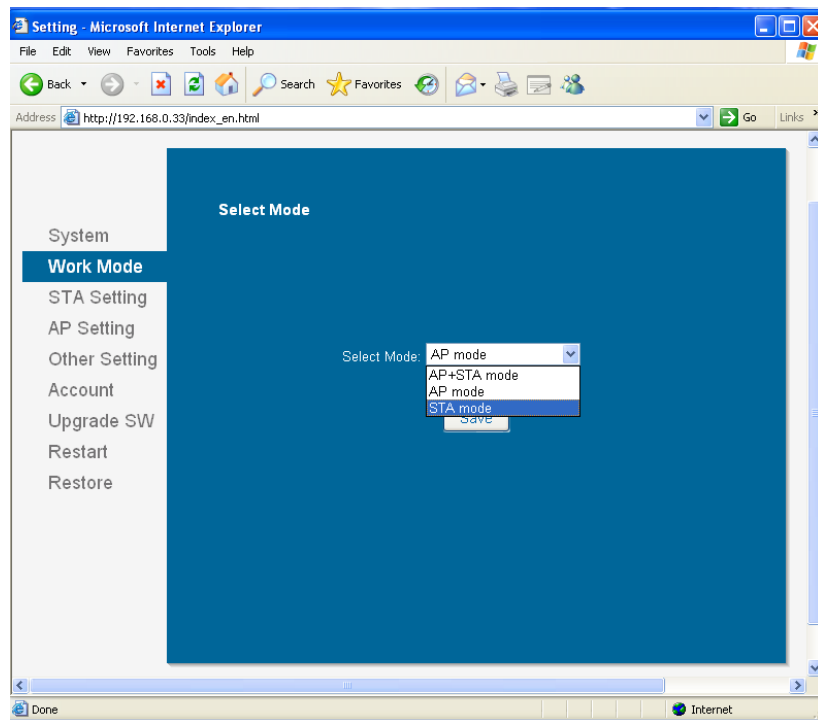


- 5) After entering user name and password, click on OK to enter Wi-Fi setting page.



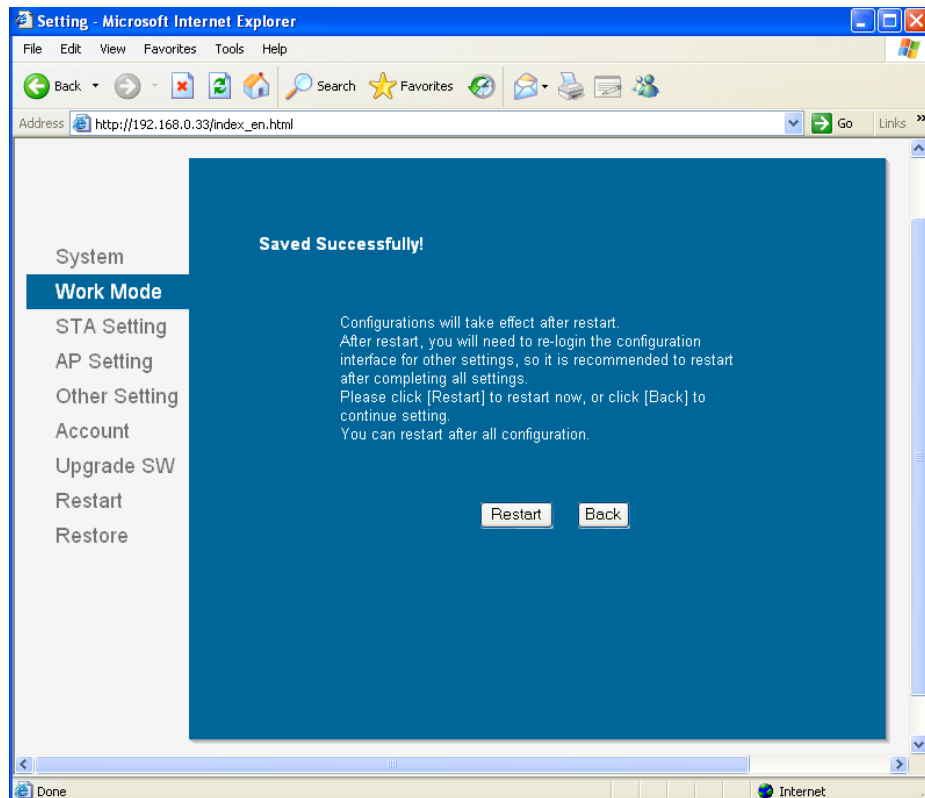
## 2. STA mode settings

- 1) Click on "Work Mode" on the left-hand side, rolling down to STA mode.

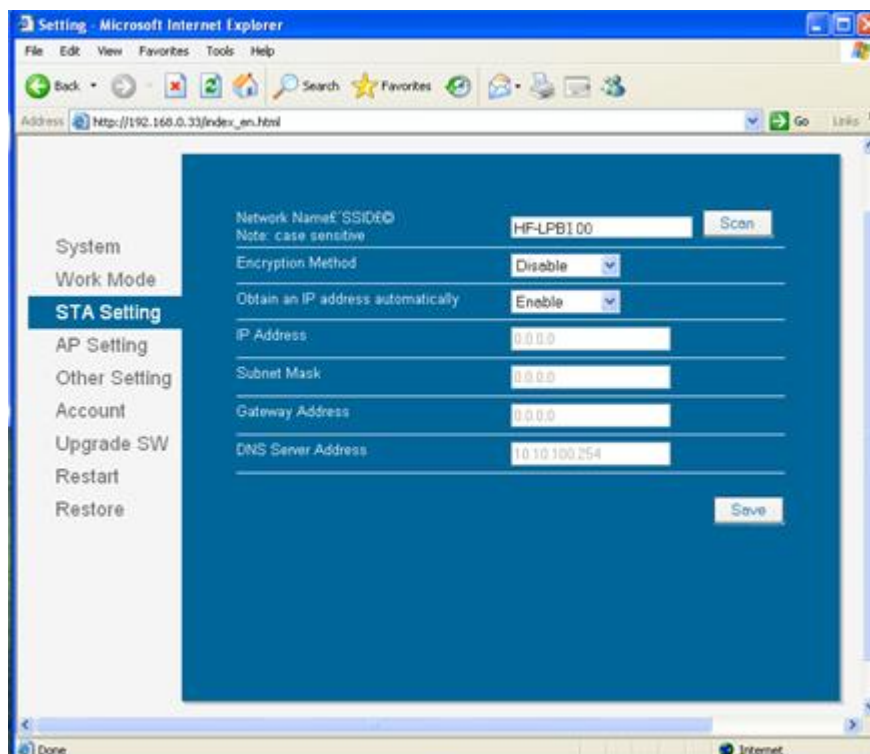


- 2) Click on "SAVE" and below window will pop up.

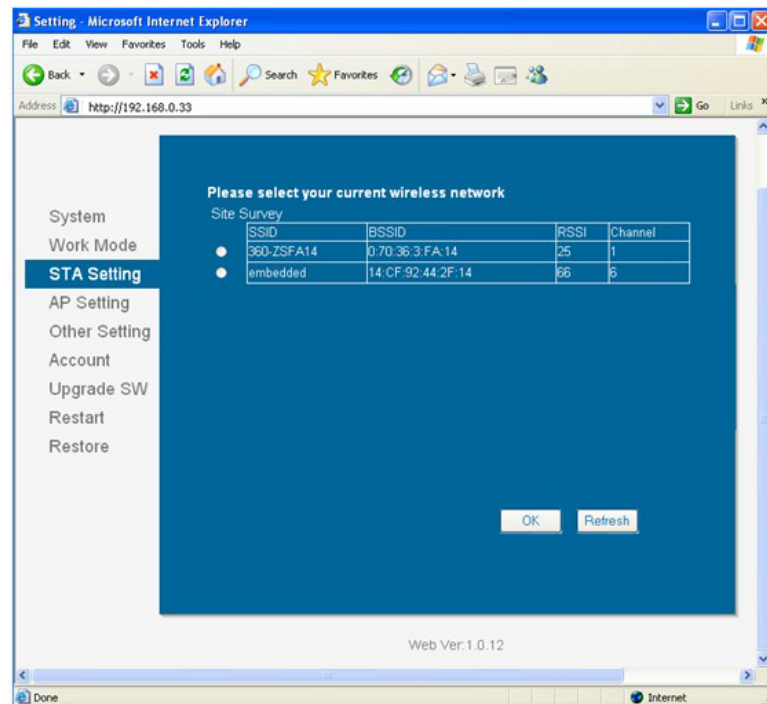




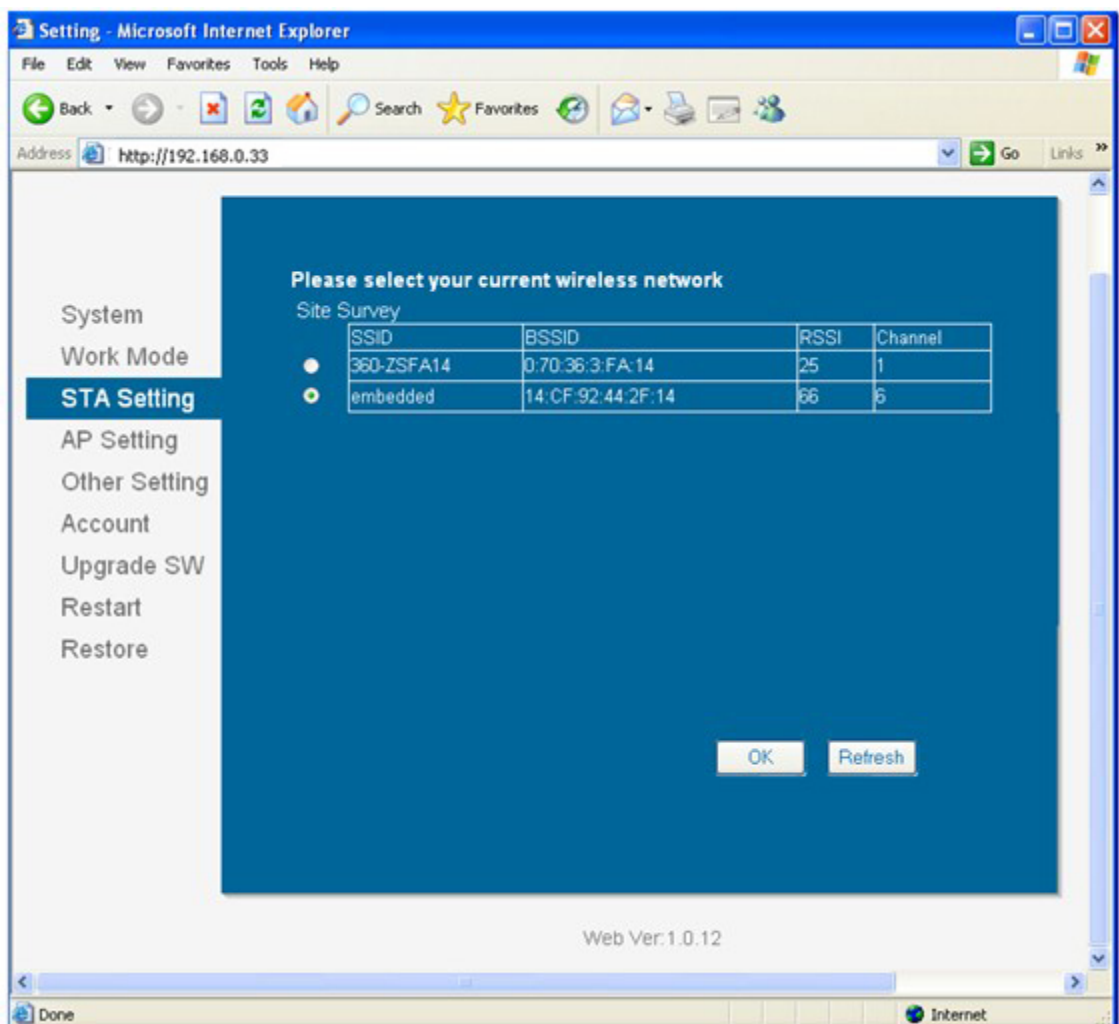
- 3) Do not click on “RESTART” button at this moment, instead click on the “STA Setting” on the left side to make more STA settings.

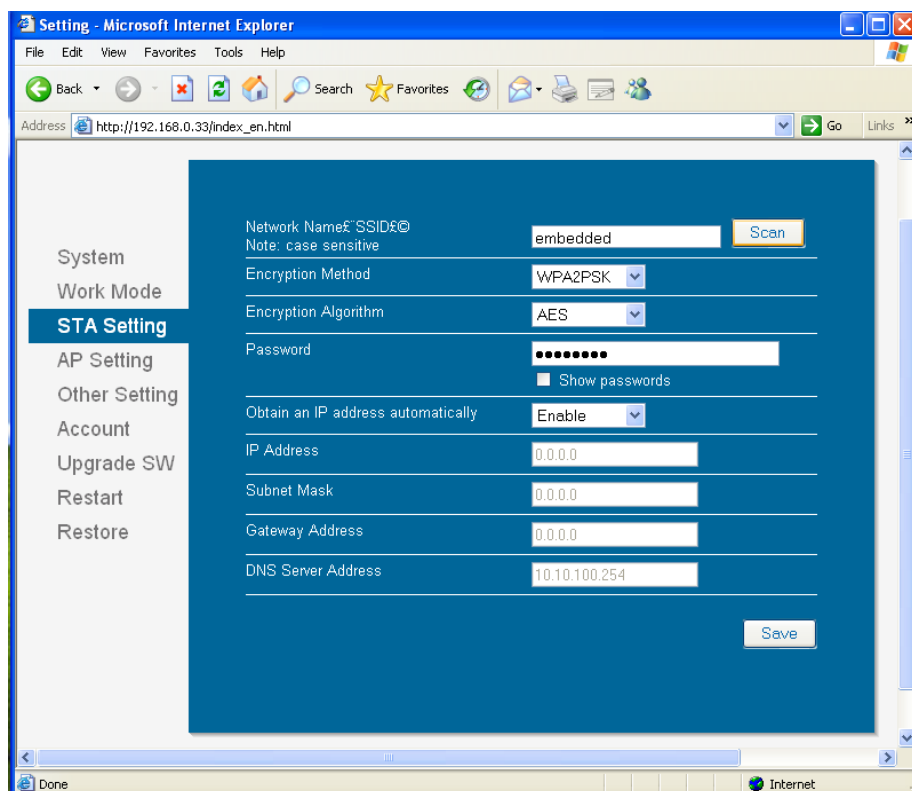
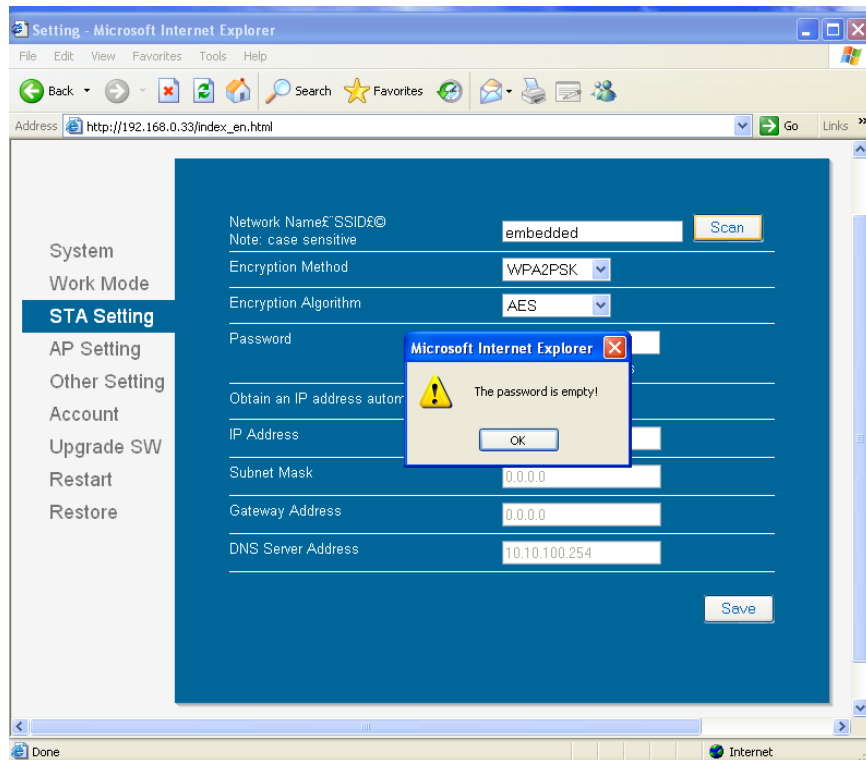


- 4) Click on “SCAN” button to search for access points  
For example, below picture shows there are several access points available



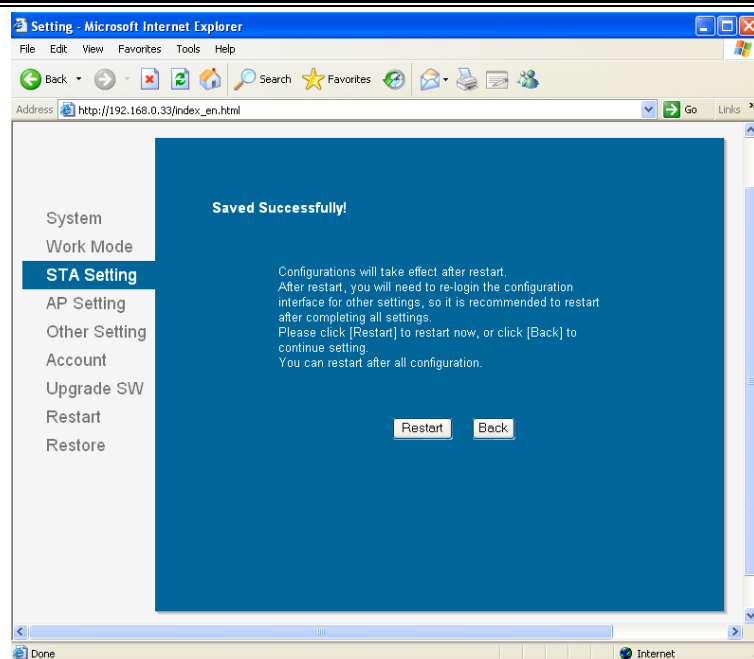
- 5) Choose the correct access point.  
For example: "embedded", see below picture.



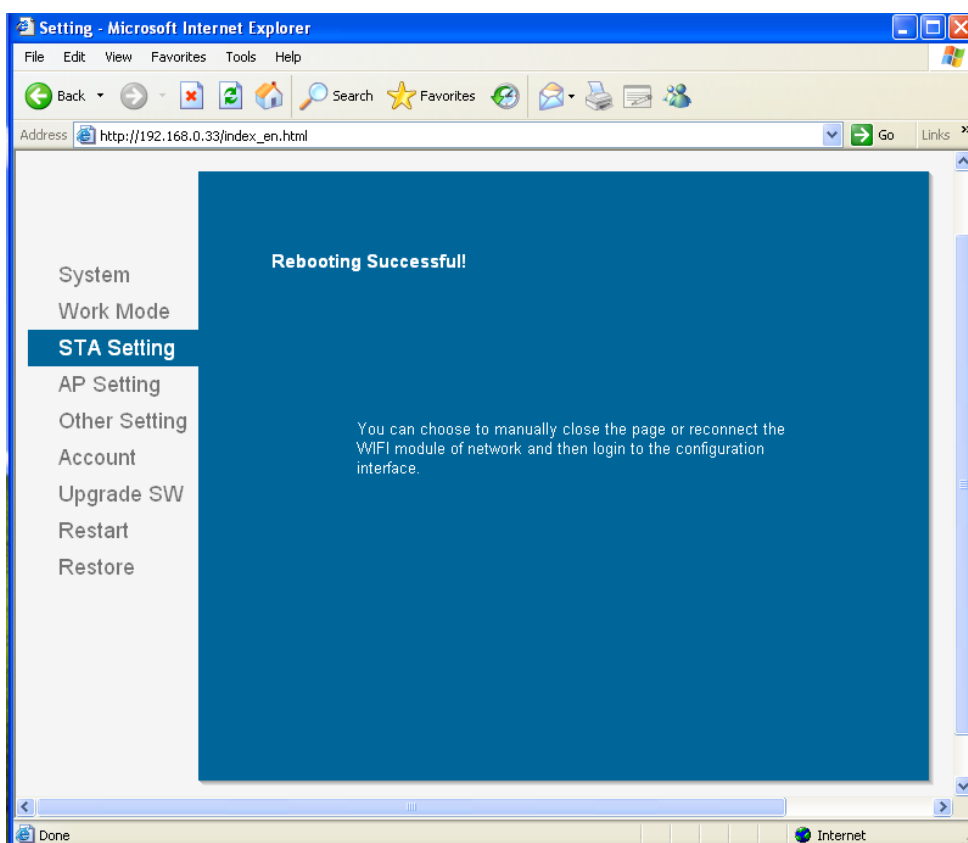


**NOTE: settings in the above pictures are just for examples, not for your actual on-site network settings. Please refer to your IT and network engineer for the correct network settings.**

6) After setting, click on “SAVE”.



- 7) If users want to make other changes, click on “BACK”, otherwise click on “RESTART” button.



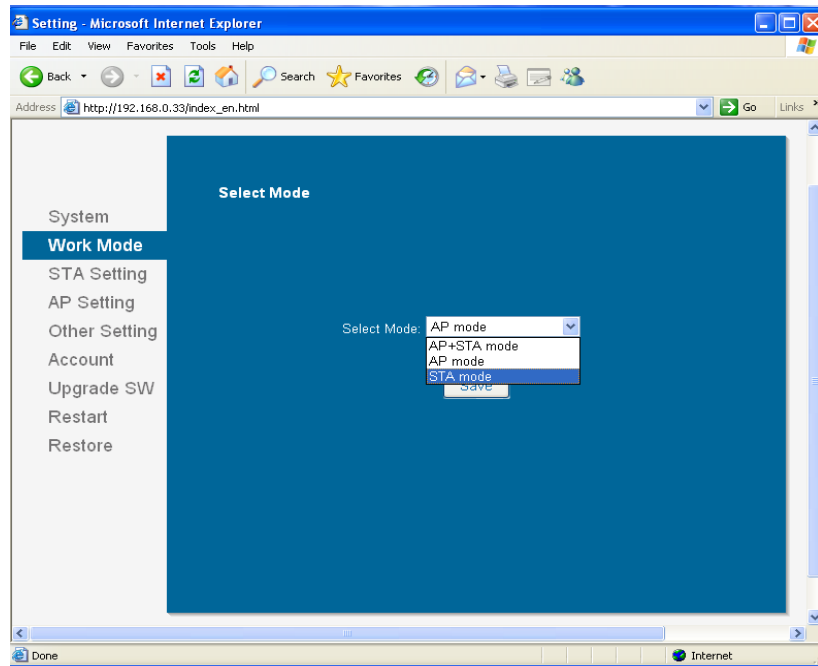
- 8) Above settings will take into effect after power off/on the printer, user could print the Wi-Fi configuration page to check whether settings have been success fully made.

**NOTE: after changing to STA mode, access point will assign an IP address to the printer, by printing Wi-Fi configuration page, users could see the IP address, and use it for entering Wi-Fi setting page in the future.**

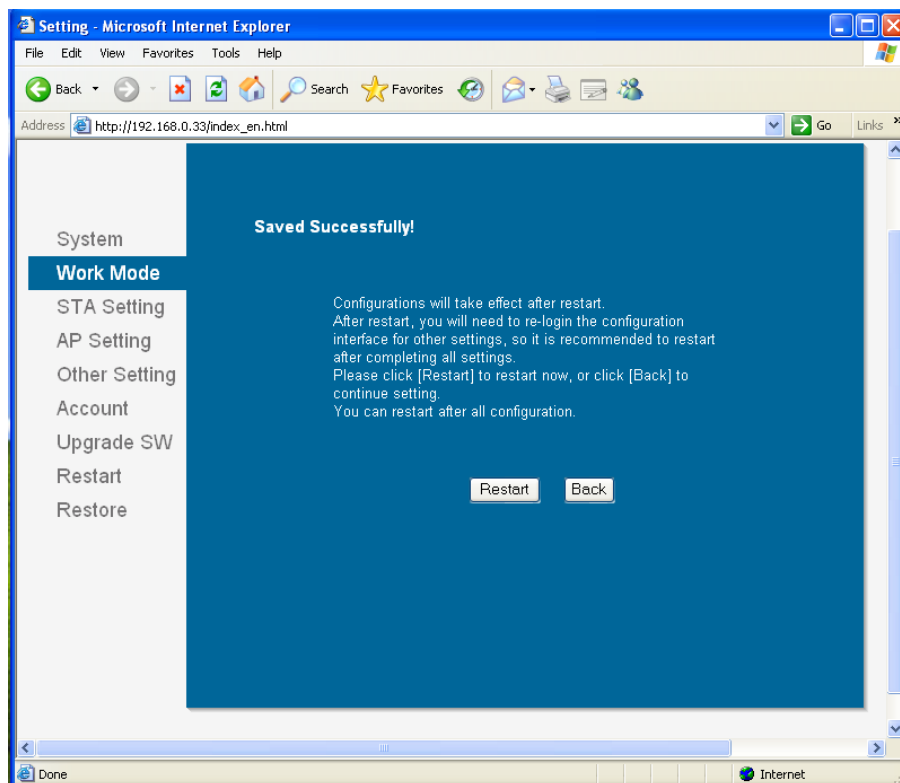
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### 3. AP mode settings:

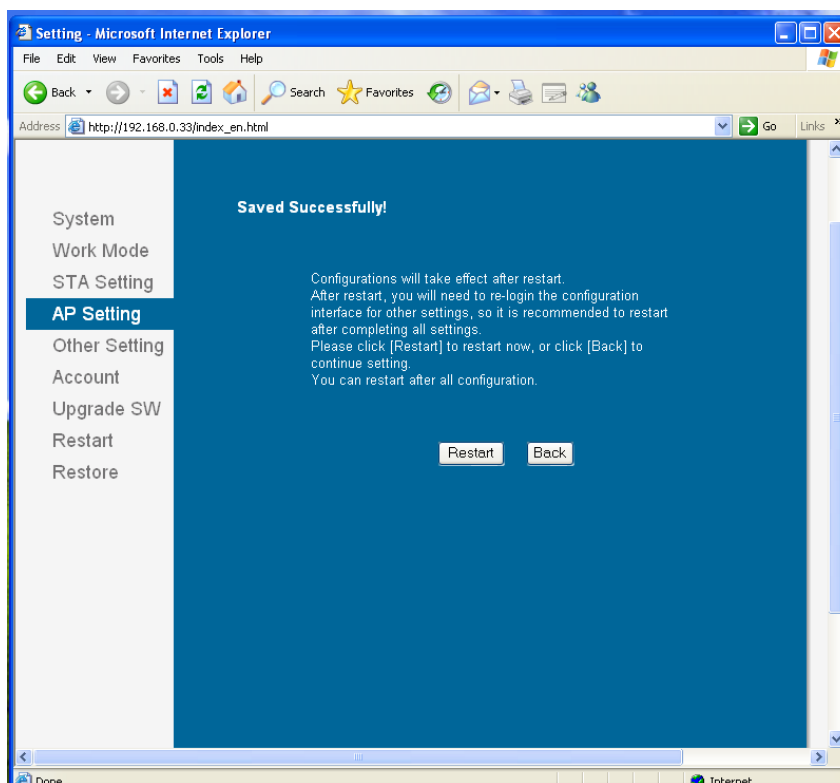
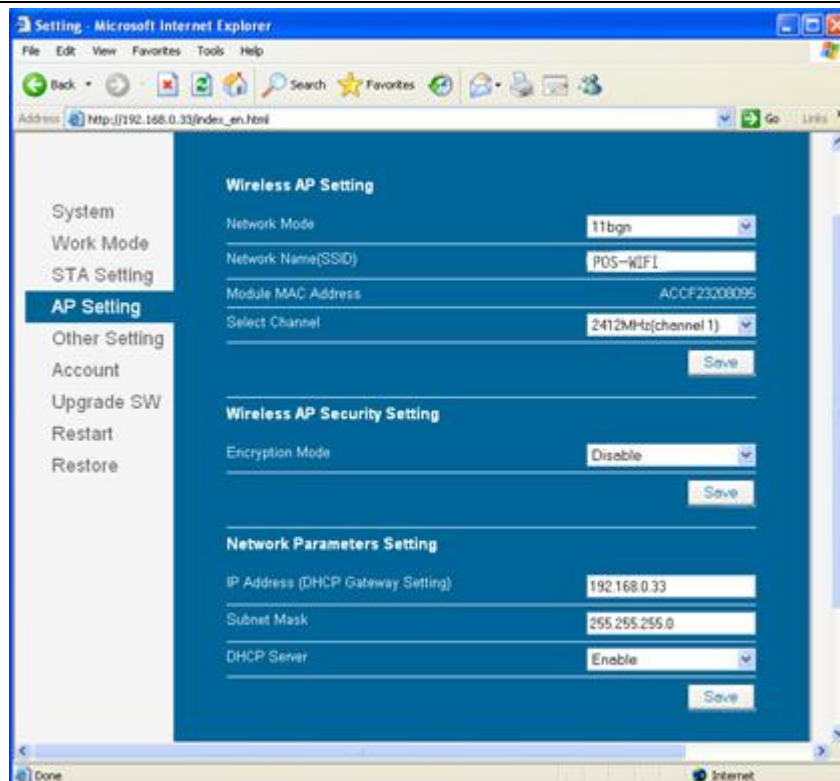
- 1) Click on the “Work Mode”, roll down to “AP mode”, click on “Save”.



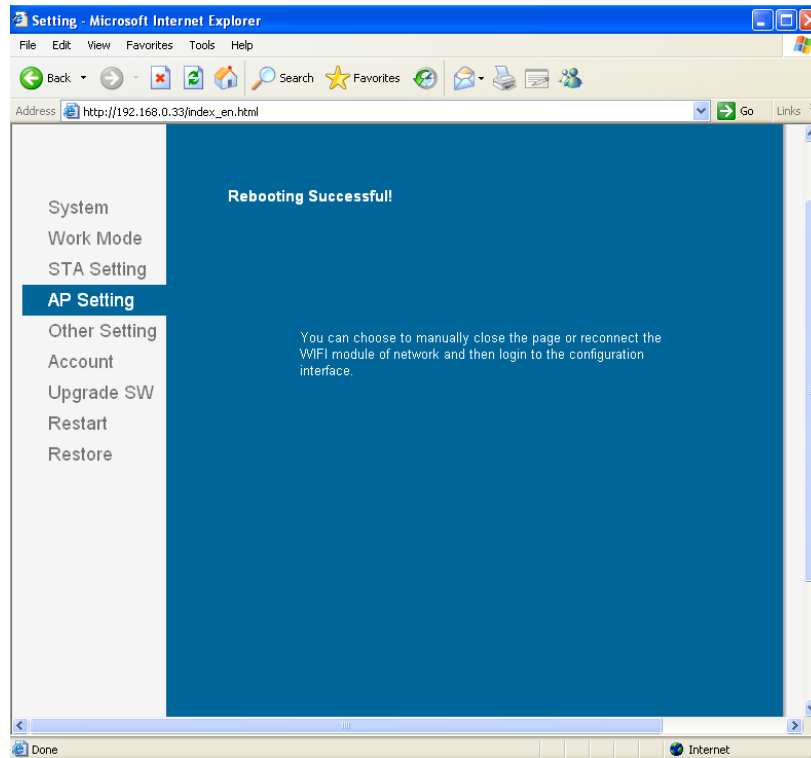
- 2) Do not click on “Restart”, and instead click on “AP Setting” on the left side.



- 3) According to user's actual needs to change network mode, SSID, IP address and other settings ( please refer to IT or network engineer for the correct settings).



4) Click on "Save" and "restart" button to confirm the settings.



- 5) Power off and power on the printer, above settings will take into effect. Users could print Wi-Fi configuration page to check whether setting have been successfully made.

[End of document]