



**GP-80250
GP-U80300
GP-H80300 SERIES
THERMAL RECEIPT PRINTER**

WIFI USER MANUAL

REV. 1.0

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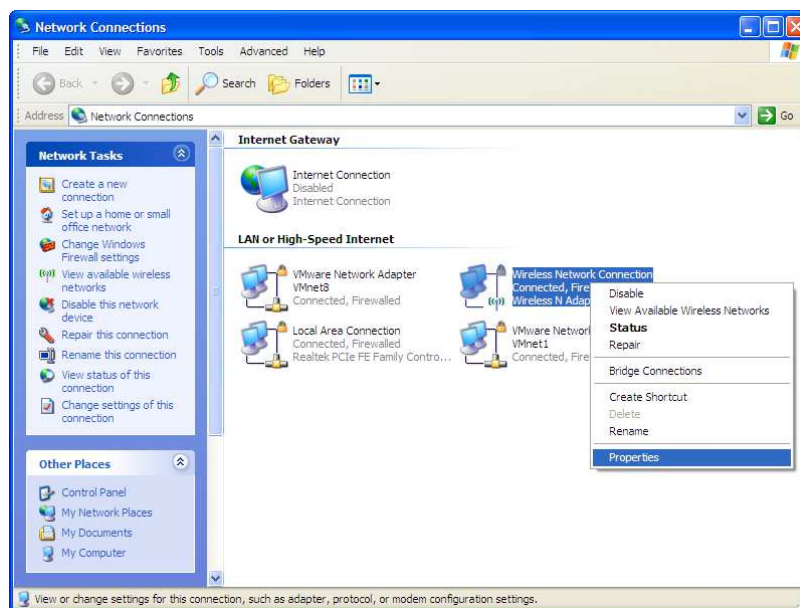
CHAPTER 1

CONFIGURATION OF WIRELESS NETWORK CONNECTION

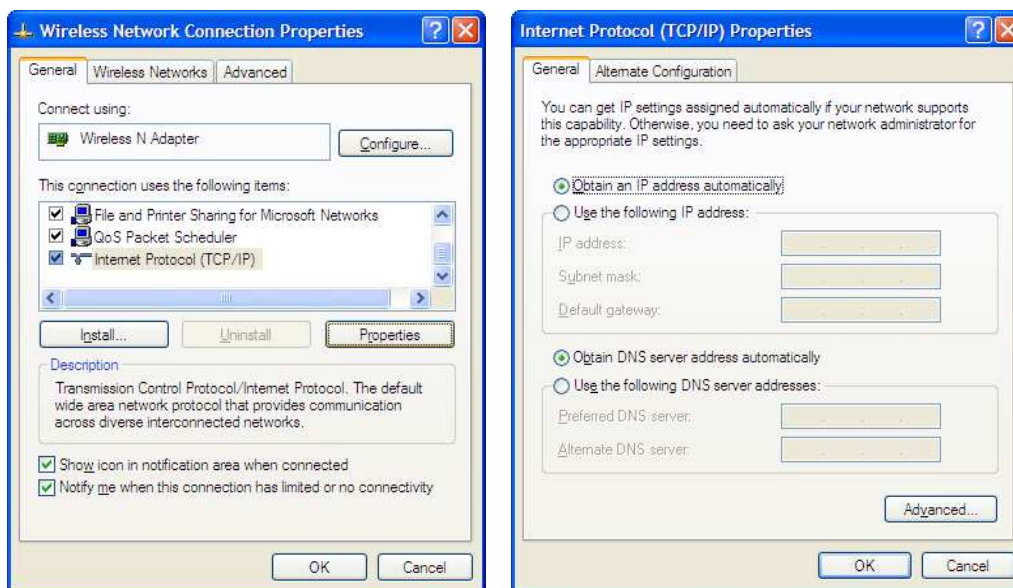
1. Setting the Computer Wireless Network IP address

To set the computer wireless network to obtain an IP address automatically.

- a. Access the "Wireless Network Connection" properties in the "Network Connections" applet in the Windows Control Panel.

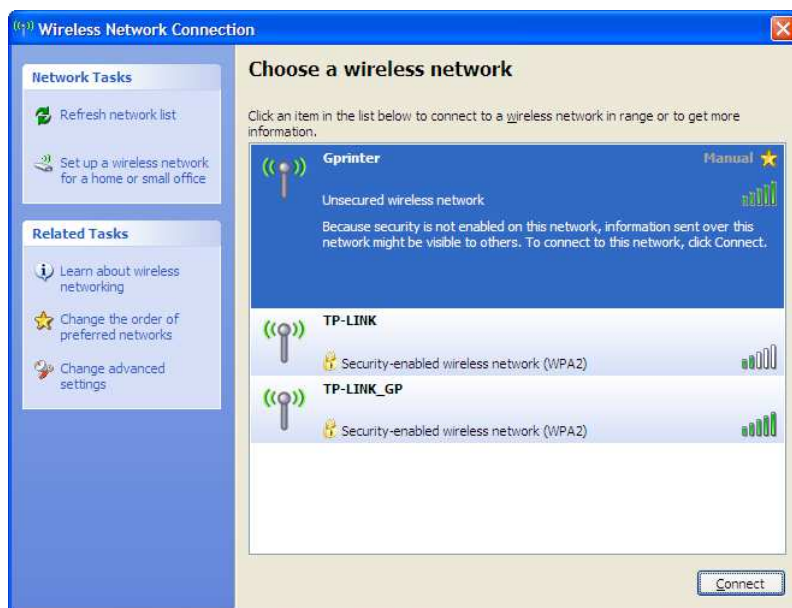


- b. In the "Internet Protocol (TCP/IP) properties", you need to select "Obtain an IP address automatically".

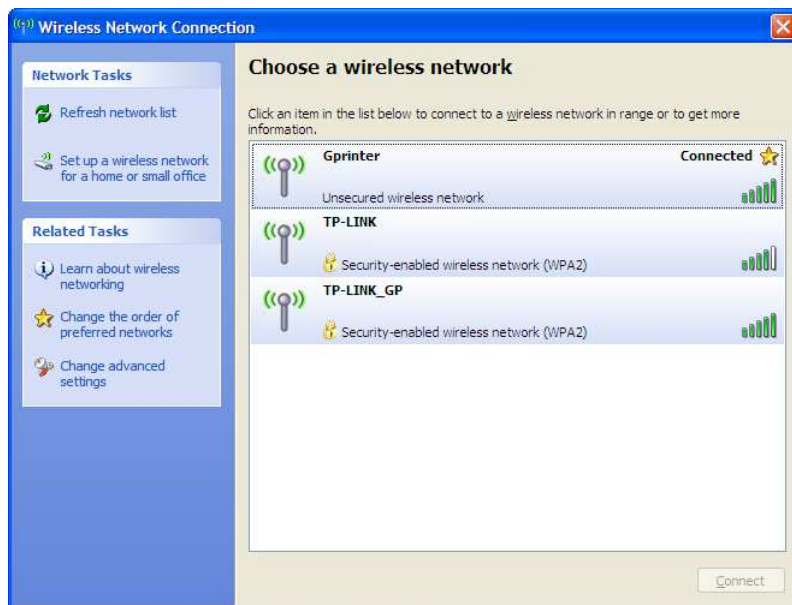


2. Connect to Printer Wireless Network (AP MODE)

Search the Wireless network. Choose "Printer" and click "Connect" to connect the computer to printer wireless network.



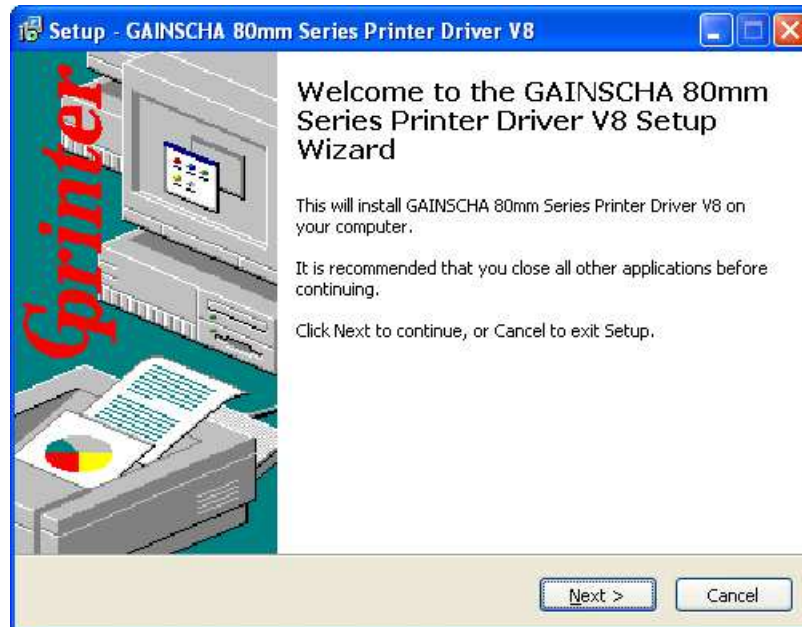
Successfully connected.



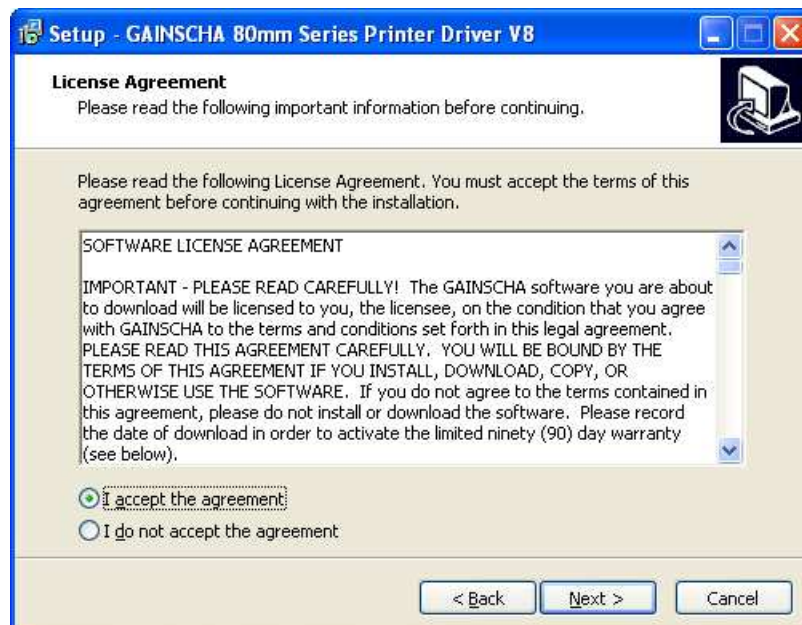
CHAPTER 2

INSTALLING WINDOWS DRIVER AND SETUP ETHERNET PORT

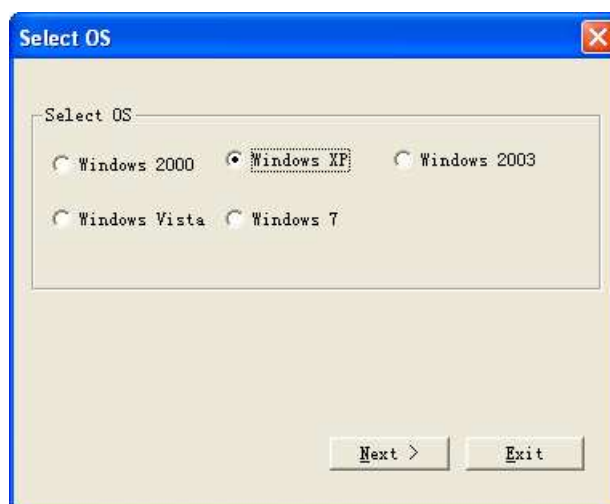
1. Run the Windows driver installer in the CD-ROM.



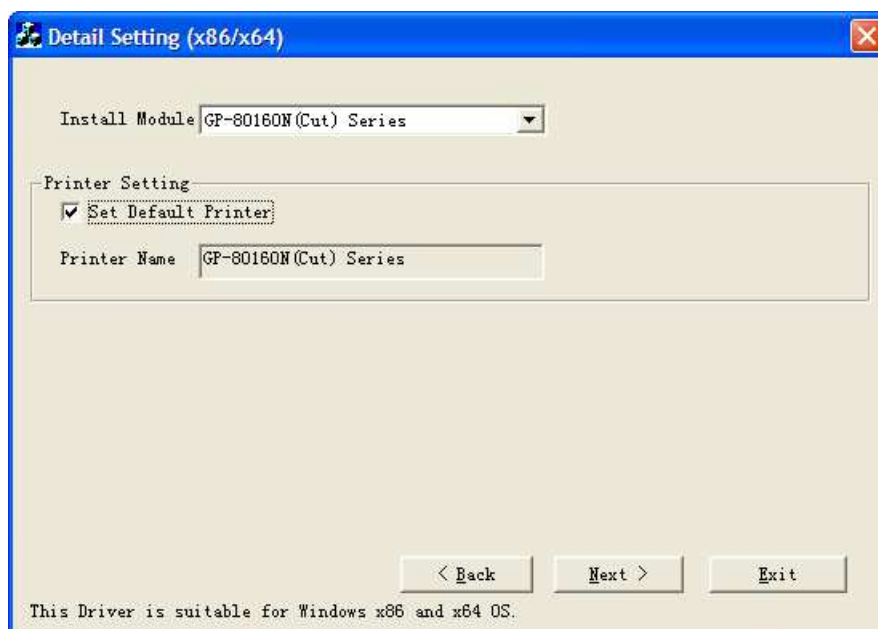
2. Accept the agreement and click Next.



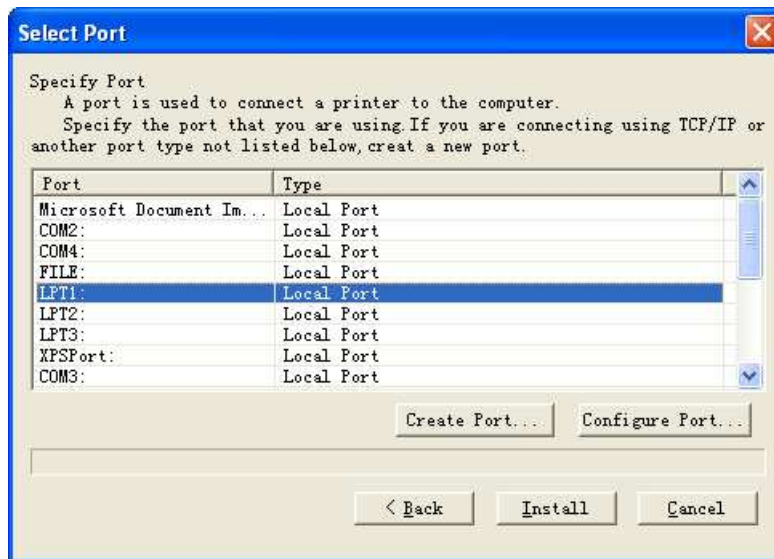
3. Select the correct OS.



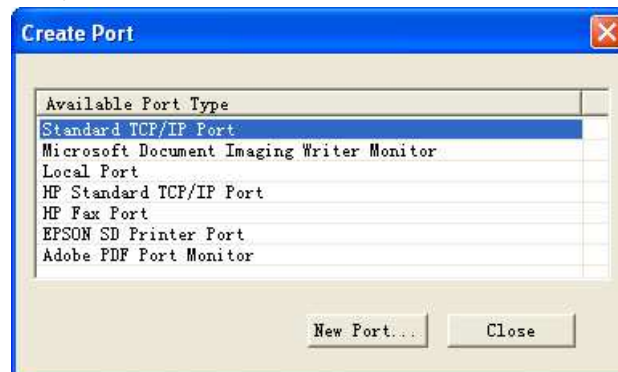
4. Choose the printer model in the list and click Next to continue.



5. Create a new Ethernet port by clicking “Create Port”.



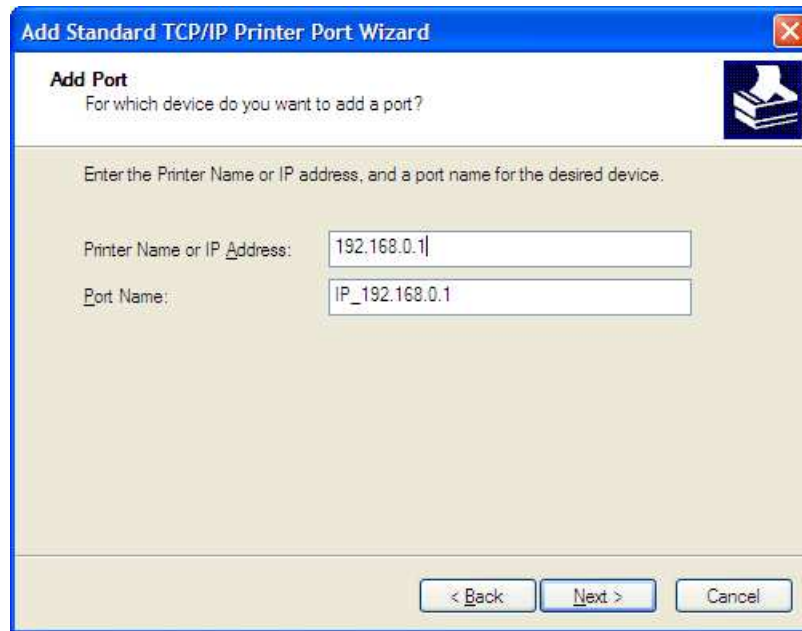
6. Select “Standard TCP/IP Port” in the list and click “New Port” button.



7. Add Standard TCP/IP Printer Port Wizard.

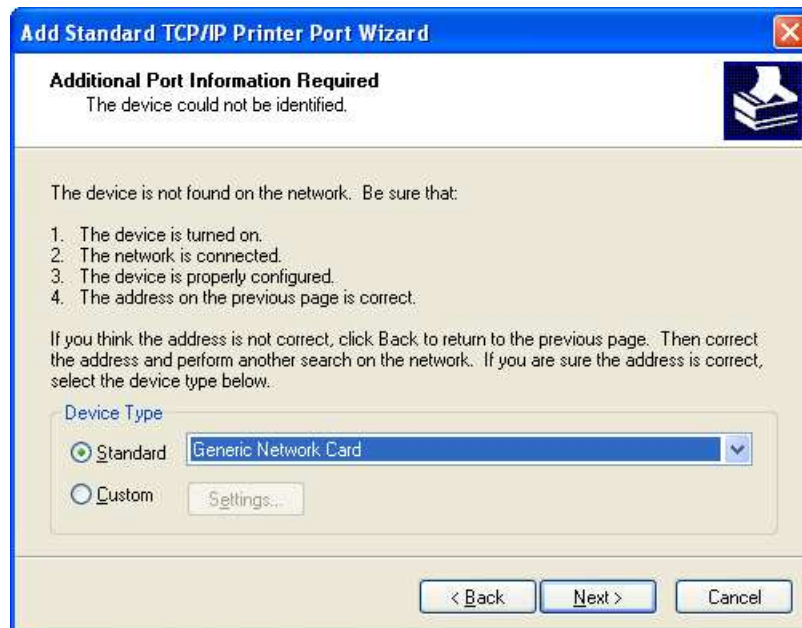


8. Enter the printer IP address into “Printer Name or IP Address” entry. The WIFI printer’s default IP address is 192.168.0.1.



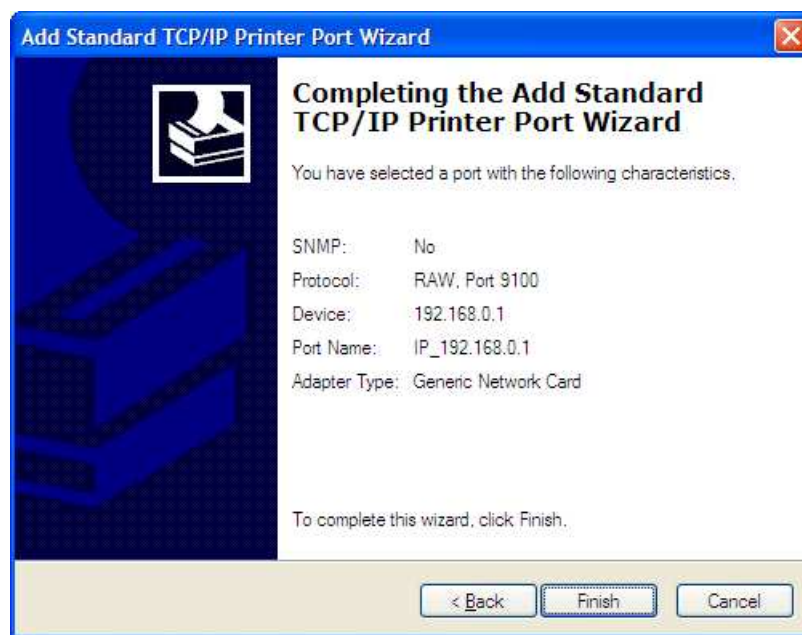
The screenshot shows the 'Add Standard TCP/IP Printer Port Wizard' dialog box. The title bar is blue with the text 'Add Standard TCP/IP Printer Port Wizard' and a close button. The main area has a light beige background. At the top, it says 'Add Port' and 'For which device do you want to add a port?'. Below this, it says 'Enter the Printer Name or IP address, and a port name for the desired device.' There are two text input fields: 'Printer Name or IP Address:' with the value '192.168.0.1' and 'Port Name:' with the value 'IP_192.168.0.1'. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

9. Choose Standard “Generic Network Card” as device type.

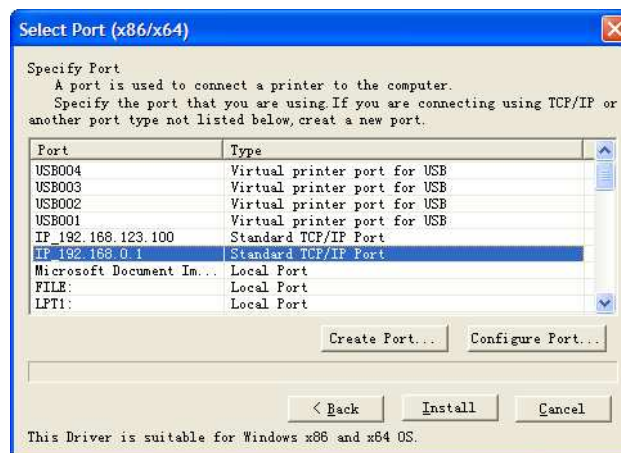


The screenshot shows the 'Add Standard TCP/IP Printer Port Wizard' dialog box, Step 2: Additional Port Information Required. The title bar is blue with the text 'Add Standard TCP/IP Printer Port Wizard' and a close button. The main area has a light beige background. At the top, it says 'Additional Port Information Required' and 'The device could not be identified.' Below this, it says 'The device is not found on the network. Be sure that:' followed by a list of four items: 1. The device is turned on. 2. The network is connected. 3. The device is properly configured. 4. The address on the previous page is correct. Below the list, it says 'If you think the address is not correct, click Back to return to the previous page. Then correct the address and perform another search on the network. If you are sure the address is correct, select the device type below.' There are two radio buttons: 'Standard' (selected) and 'Custom'. The 'Standard' radio button is selected, and the 'Generic Network Card' is selected in the dropdown menu. There is a 'Settings...' button next to the 'Custom' radio button. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.

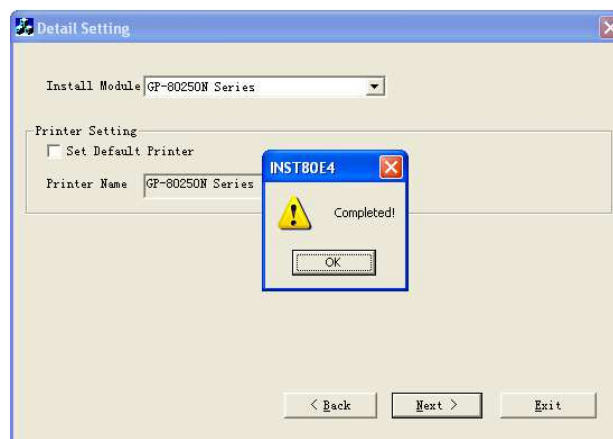
10. Click “Finish” button to complete the new Ethernet port creation.



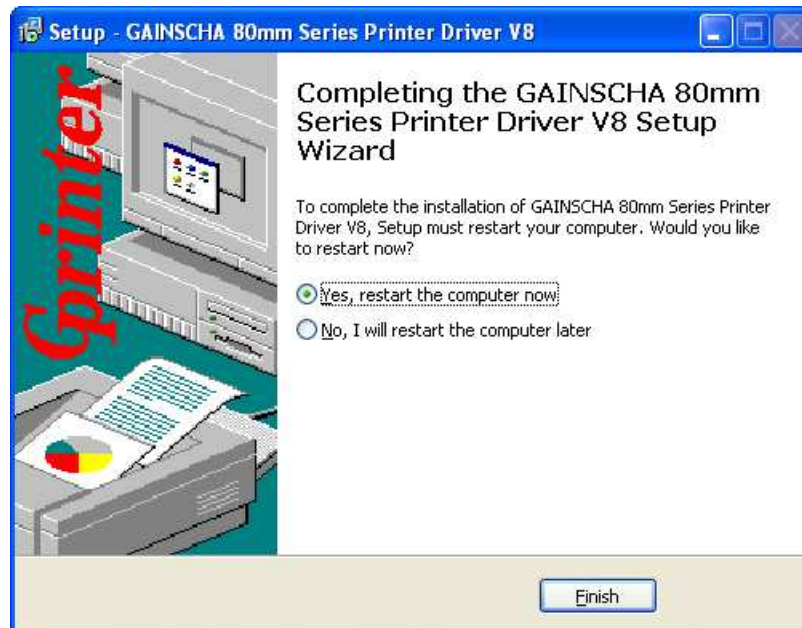
11. Select the Ethernet port in the list and click “Install” to install the Windows driver for the printer.



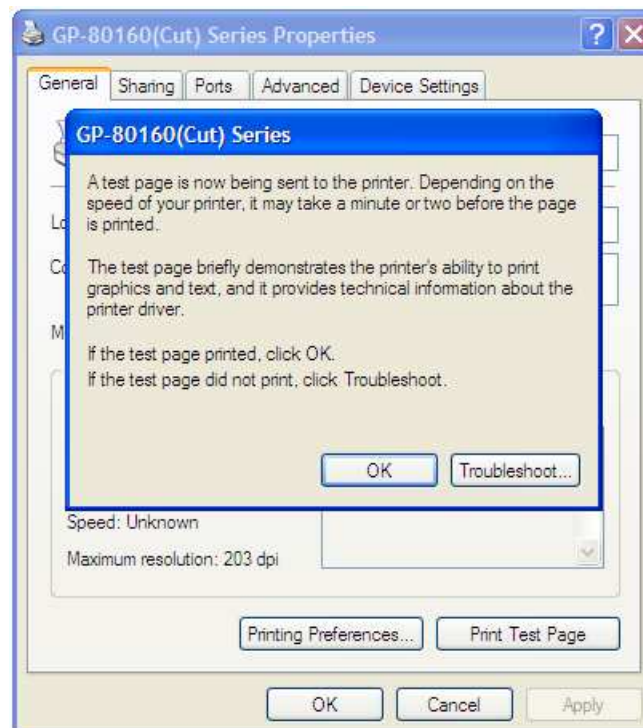
12. Installation of the Windows driver completed.



13. Click “Finish” button to complete the Windows driver installation. You may need to restart the computer for the new setting to take place.



14. Print a test page to check if the printer driver is installed successfully.



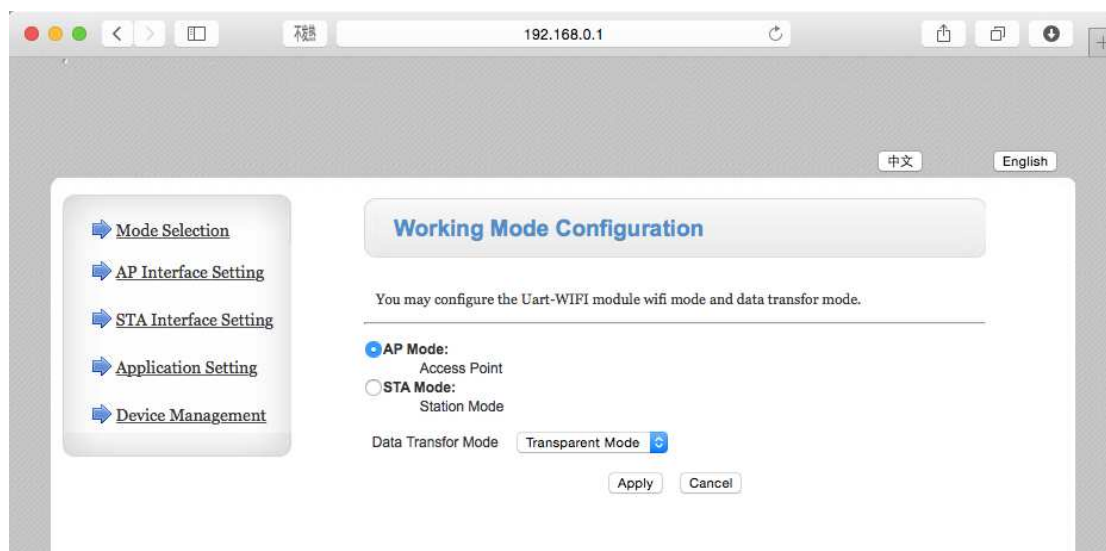
CHAPTER 3

CONNECT THE PRINTER DIRECTLY (AP MODE)

1. Login to Printer Wireless Interface Web Configuration

Using a web browser (for example, Internet Explorer) to log in the printer wireless interface web configuration by entering the printer IP address directly into the address bar of the browser.

The default printer IP address is **192.168.0.1**, user name is “**admin**” and password is “**admin**”. After login, the interface version page will be shown.



AP Mode (Access Point) is factory default mode, and always exists.

STA Mode (Station Mode) is for connection between printer and user's wireless router.

2. AP Interface Setting

Configure the AP interface settings, such as Network Mode, SSID, Security Mode, LAN IP, and etc.

AP Interface Setting

AP Interface Setting such as SSID, Security...

Wireless Network	
Network Mode	11b/g/n mixed mode
Network Name(SSID)	printer <input type="checkbox"/> Hidden
BSSID	AC:CF:23:33:26:48
Frequency (Channel)	AutoSelect
Wireless Distribution System(WDS)	WDS Configuration

Apply Cancel

printer	
Security Mode	Disable

Apply Cancel

LAN Setup	
IP Address(Default DHCP Gateway)	192.168.0.1
Subnet Mask	255.255.255.0
DHCP Type	Server

Apply Cancel

In Wireless Network, you can configure different network mode as well as SSID name.

Wireless Network	
Network Mode	11b/g/n mixed mode
Network Name(SSID)	printer <input type="checkbox"/> Hidden
BSSID	AC:CF:23:33:26:48
Frequency (Channel)	AutoSelect
Wireless Distribution System(WDS)	WDS Configuration

Apply Cancel

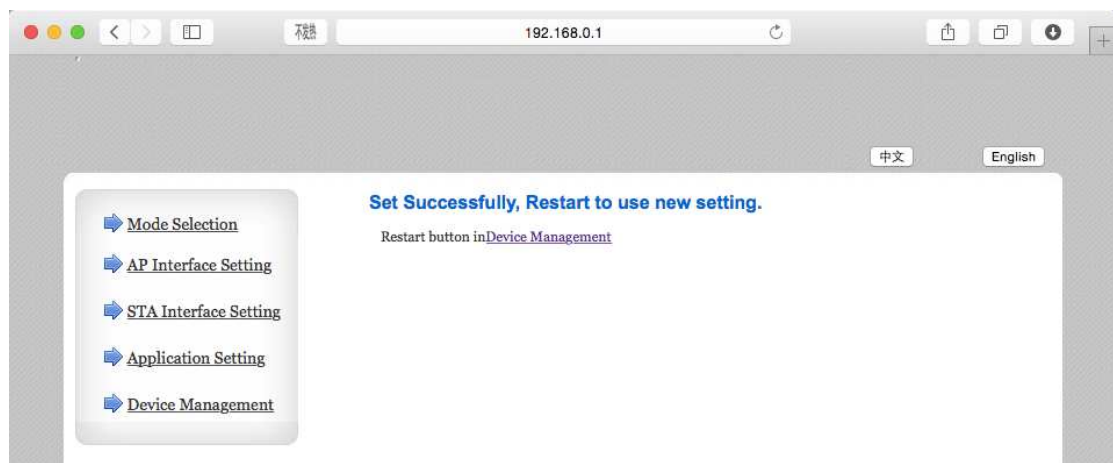
In Security Mode, you can enable/disable the connection password (WEP/WPA/WPA2).

Printer	
Security Mode	WPA2-PSK
WPA	
WPA Algorithms	<input type="radio"/> TKIP <input type="radio"/> AES <input checked="" type="radio"/> TKIPAES
Pass Phrase	12345678
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	

In LAN Setup, you can configure the LAN IP address, Subnet Mask and DHCP type for the AP connection.

LAN Setup	
IP Address(Default DHCP Gateway)	192.168.0.1
Subnet Mask	255.255.255.0
DHCP Type	Server
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	

After setting, click Apply button to proceed. Restart the printer to take effect the new settings in Device Management page.



3. Application Setting

Configure the Uart parameters and network parameters of the Wifi-Uart application.

Wifi-Uart Setting

You could configure the Uart parameters and network parameters of the wifi-uart application.

Uart Setting	
Baudrate	230400
Data Bits	8
Parity	None
Stop	1
CTSRTS	Enable

Apply Cancel

UART AutoFrame Setting	
UART AutoFrame	Disable

Apply Cancel

Network Setting	
Mode	Server
Protocol	TCP
Port	9100
Server Address	192.168.0.1
MAX TCP Num. (1~32)	32
TCP Time out (MAX 600 s)	300

Display a menu

4. Device Management

Configure administrator account and password, load default setting or update firmware.

The screenshot shows a web browser window with the address bar displaying '192.168.0.1'. The page title is 'Device Management'. On the left, there is a sidebar menu with the following items: 'Mode Selection', 'AP Interface Setting', 'STA Interface Setting', 'Application Setting', and 'Device Management' (which is highlighted). The main content area has a header 'Device Management' and a sub-header '4.02.11.15'. Below this, a message states: 'You may configure administrator account and password, load default setting or update firmware.' The interface is divided into four sections: 1. 'Administrator Settings' with fields for 'Account' (admin) and 'Password' (admin), and 'Apply' and 'Cancel' buttons. 2. 'Restart Module' with a 'Restart Module' field and a 'Restart' button. 3. 'Load Factory Defaults' with a 'Load Default Button' field and a 'Load Default' button. 4. 'Update Firmware' with a 'Location:' field, a 'Choose File' button, and a 'no file selected' status. An 'Apply' button is at the bottom of this section. At the very bottom of the browser window, there is a small text 'Display a menu'.

Administrator Settings	
Account	admin
Password	admin
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	

Restart Module	
Restart Module	<input type="button" value="Restart"/>

Load Factory Defaults	
Load Default Button	<input type="button" value="Load Default"/>

Update Firmware	
Location:	<input type="button" value="Choose File"/> no file selected
<input type="button" value="Apply"/>	

CHAPTER 4

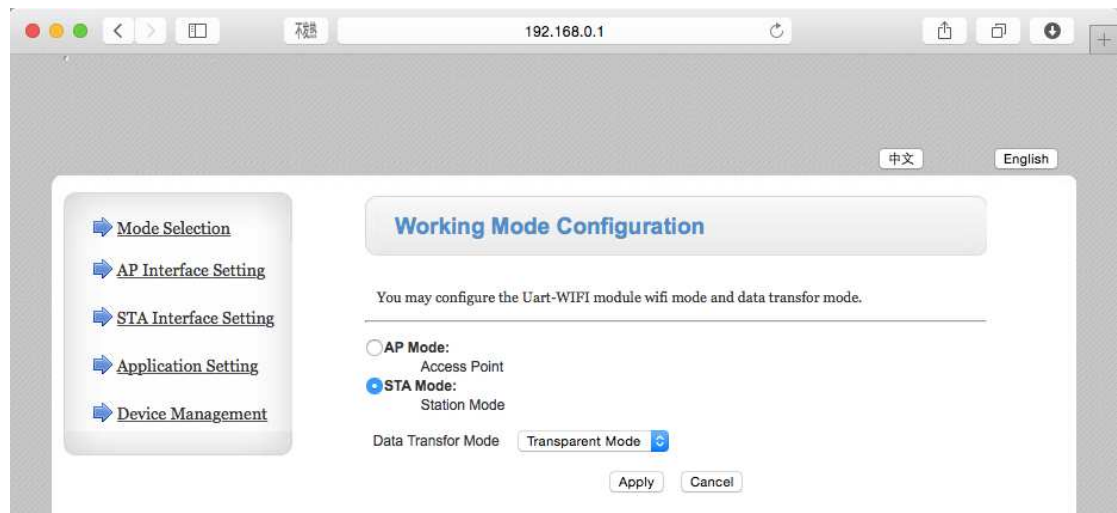
CONNECT THE PRINTER TO A ROUTER (STATION MODE)

By default, the WIFI interface is in AP mode. If you need to connect the printer to current wireless network (such as an existing router network), you need to change the printer to STATION mode.

1. Login to Printer Wireless Interface Web Configuration

Connect the computer to printer WIFI network. Login the printer wireless interface web configuration (printer default IP address is 192.168.0.1). Refer Chapter 3.

Choose STA mode in the Mode Selection page, and click Apply button.



2. STA Interface Setting

In STA Interface Parameters, click Search button to find a correct router SSID.

STA Interface Setting

You could configure STA interface parameters here.

STA Interface Parameters	
AP's SSID	Printer <input style="border: 2px solid red;" type="button" value="Search..."/>
MAC Address (Optional)	
Security Mode	OPEN
Encryption Type	NONE

Apply Cancel

WAN Connection Type: STATIC(fixed IP)

Static Mode	
IP Address	192.168.0.1
Subnet Mask	255.255.255.0
Default Gateway	192.168.0.1
DNS	8.8.4.4

Apply Cancel

Choose the correct SSID name and click Apply to continue.

	SSID	BSSID	RSSI	Channel	Encryption	Authentication	Network Type
<input type="radio"/>	610	a8:57:4e:dc:c0:7a	29%	1	AES	WPA2PSK	Infrastructure
<input type="radio"/>	TP-LINK_50B378	20:dc:e6:50:b3:78	24%	6	AES	WPA2PSK	Infrastructure
<input type="radio"/>	TP-LINK_4E23B6	14:cf:92:4e:23:b6	10%	6	NONE	OPEN	Infrastructure
<input type="radio"/>		d0:c7:c0:18:11:ca	39%	6	AES	WPA2PSK	Infrastructure
<input type="radio"/>	zhuhaitengxing	b8:55:10:76:ef:c8	10%	11	AES	WPA2PSK	Infrastructure
<input type="radio"/>	3322005	b8:55:10:76:f4:6c	0%	11	AES	WPA2PSK	Infrastructure

Apply Refresh

Input the correct connection password for the selected SSID. Choose the correct security mode and encryption type as well.

STA Interface Setting

You could configure STA interface parameters here.

STA Interface Parameters	
AP's SSID	TP-LINK_50B378 Search...
MAC Address (Optional)	
Security Mode	WPA2PSK
Encryption Type	AES
Pass Phrase	12345678

Apply Cancel

WAN Connection Type: STATIC(fixed IP)

Static Mode	
IP Address	192.168.1.100
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.1
DNS	8.8.4.4

Apply Cancel

Display a menu

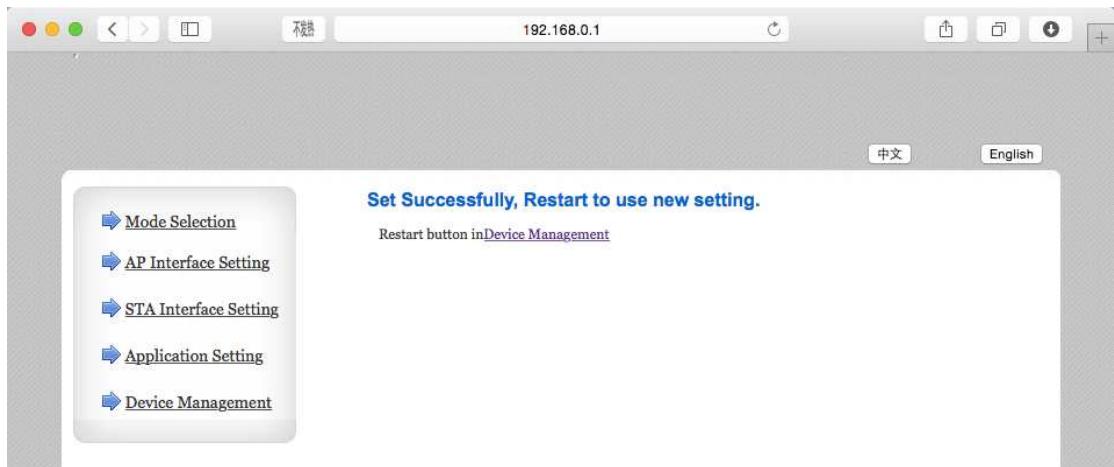
In the same time, you can configure the WAN IP address or change STATIC (fixed IP) to DHCP to acquire IP address from the wireless router. Please **DO NOT** set the same IP address as the AP mode IP address, otherwise the AP mode will not work.

WAN Connection Type: STATIC(fixed IP)

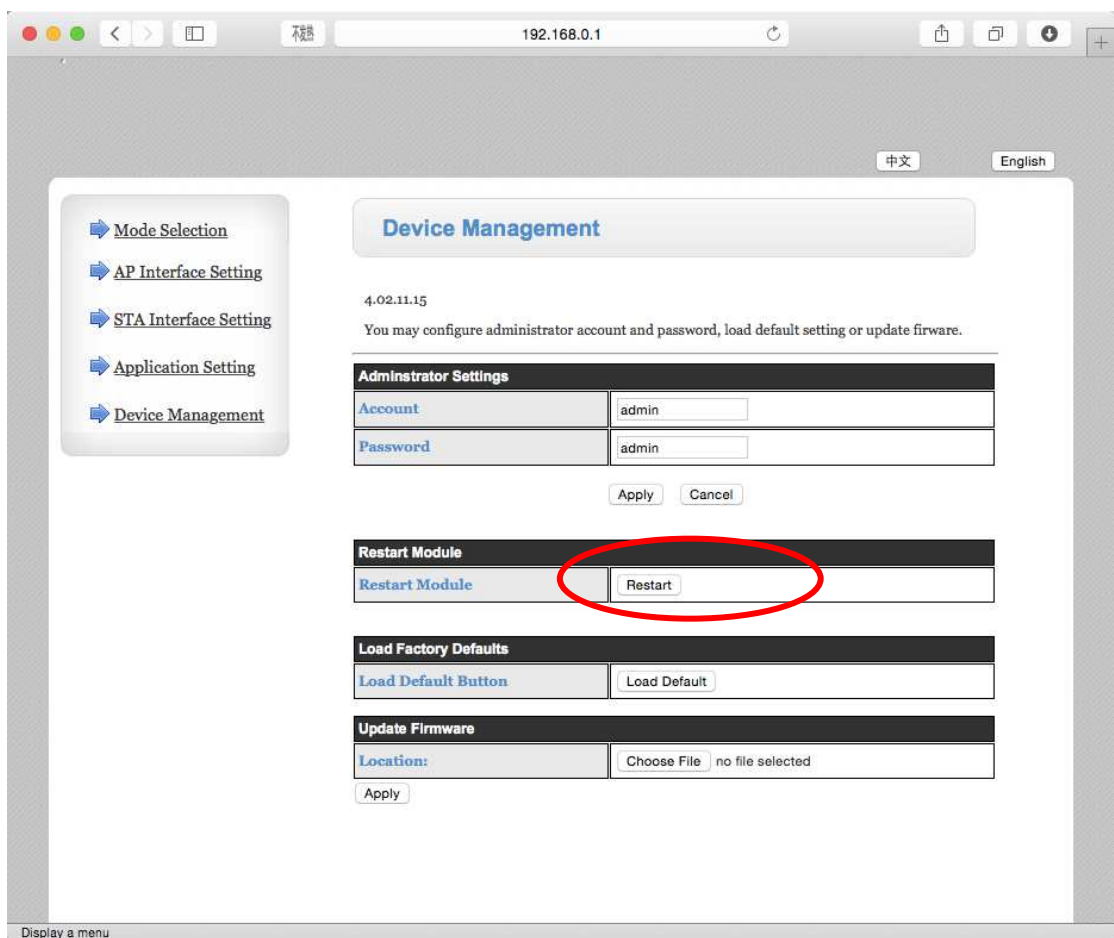
Static Mode	
IP Address	192.168.1.100
Subnet Mask	255.255.255.0
Default Gateway	192.168.1.1
DNS	8.8.4.4

Apply Cancel

After setting, click Apply button to proceed.



Restart the printer to take effect the new settings in Device Management page.



After that, you need to change/add a printer port in the printer Driver Properties. Add a new TCP/IP port with the new printer IP address in Ports.

For example, 192.168.123.100

