



**GP-80160 SERIES  
THERMAL RECEIPT PRINTER**

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**WIFI USER MANUAL**

**REV. 1.0**

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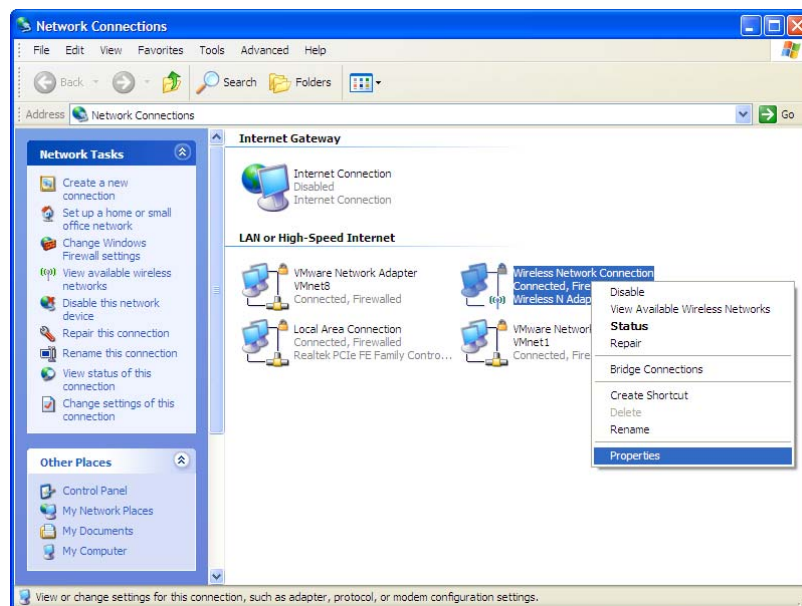
## CHAPTER 1

### CONFIGURATION OF WIRELESS NETWORK CONNECTION

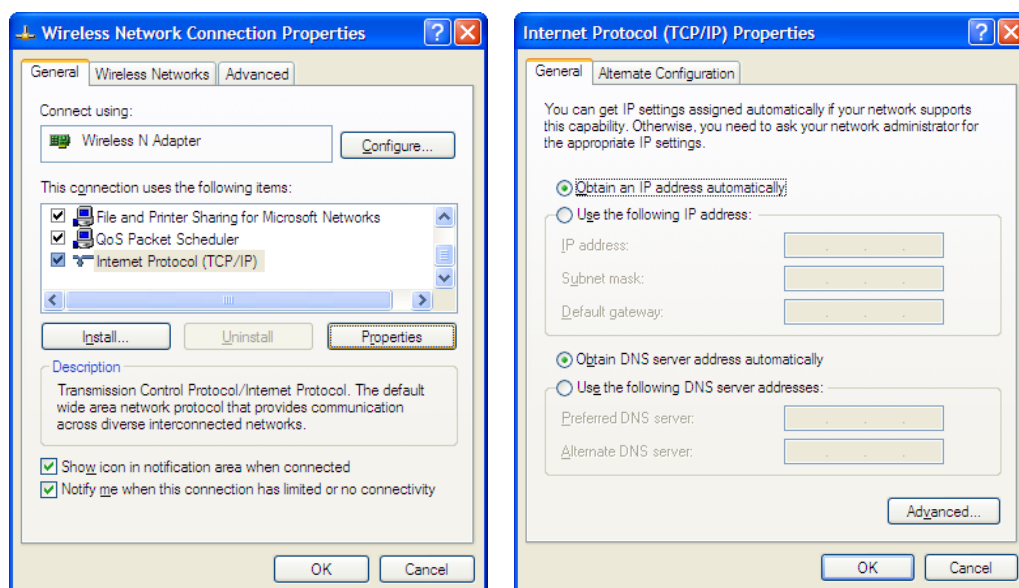
#### 1. Setting the Computer Wireless Network IP address

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.

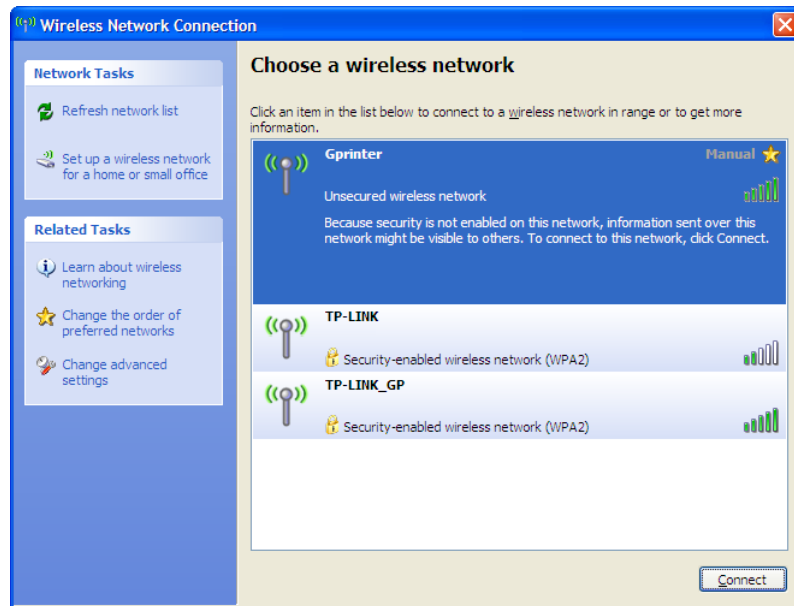


- b. In the "Internet Protocol (TCP/IP) properties", you need to select "Obtain an IP address automatically".

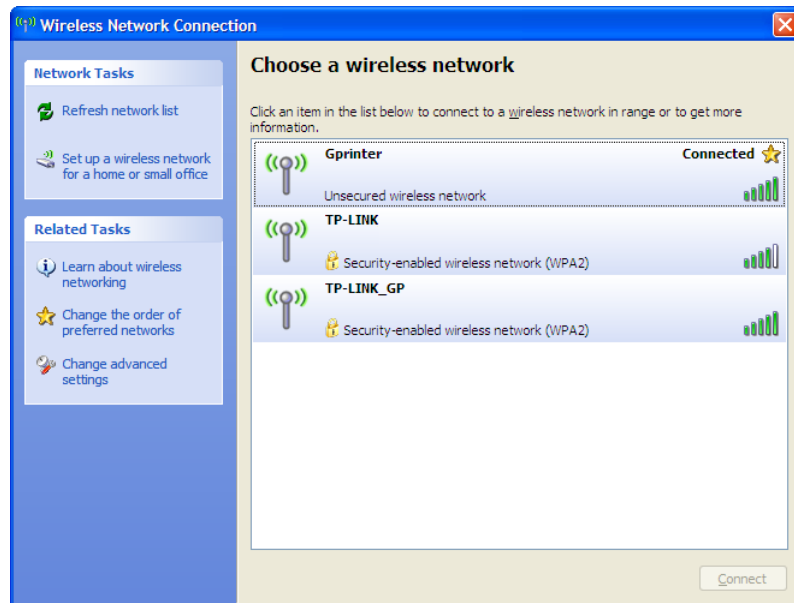


## 2. Connect to Printer Wireless Network (AP MODE)

Search the Wireless network. Choose “Gprinter” and click “Connect” to connect the computer to printer wireless network.



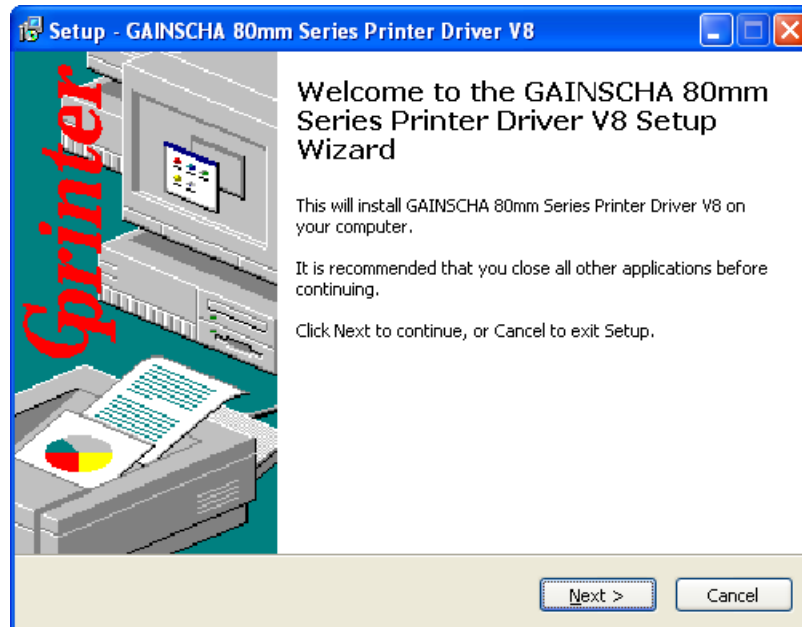
Successfully connected.



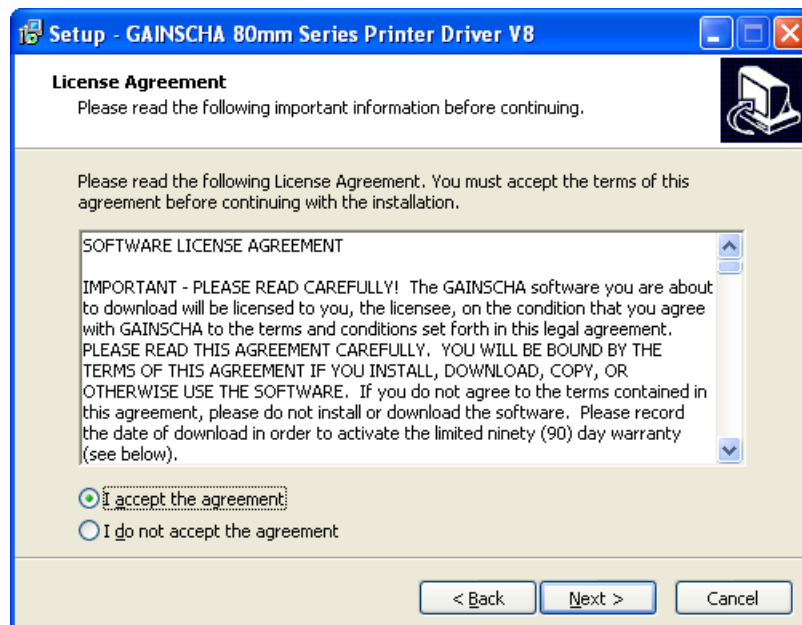
## CHAPTER 2

### INSTALLING WINDOWS DRIVER AND SETUP ETHERNET PORT

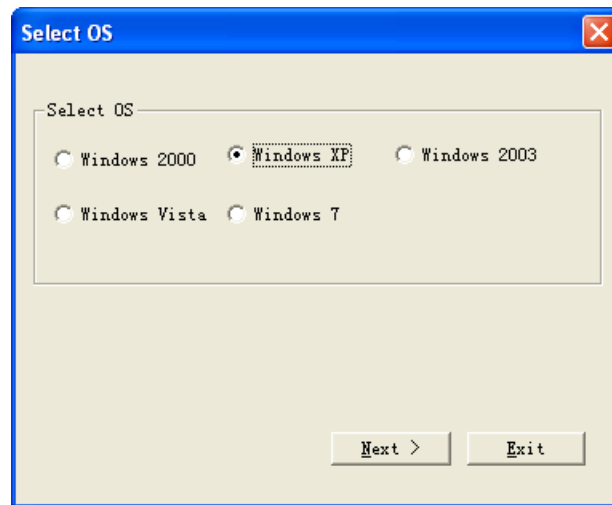
1. Run the Windows driver installer in the CD-ROM.



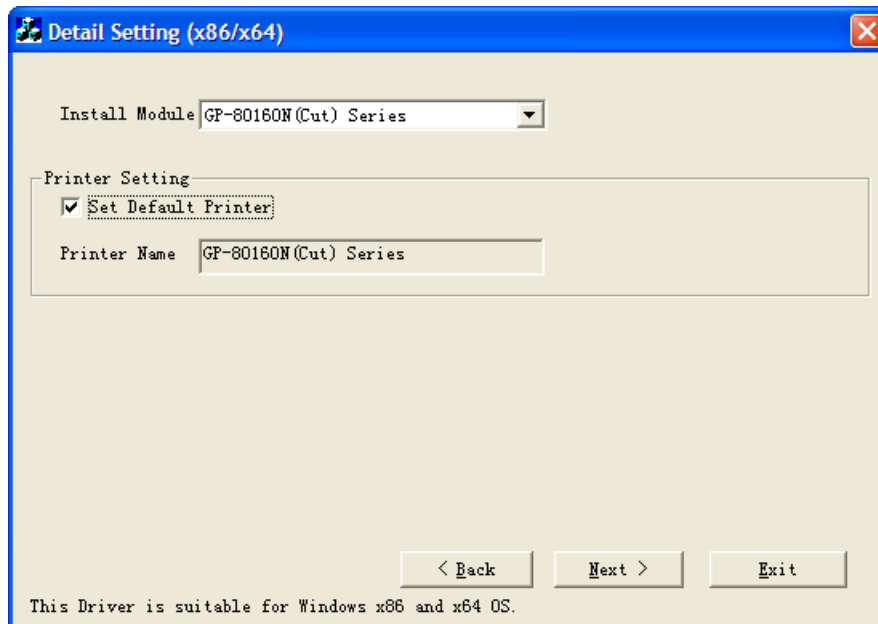
2. Accept the agreement and click Next.



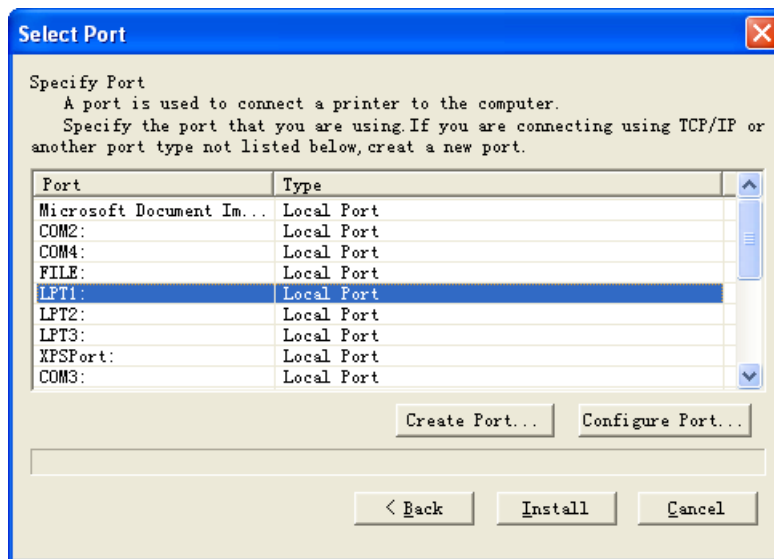
3. Select the correct OS.



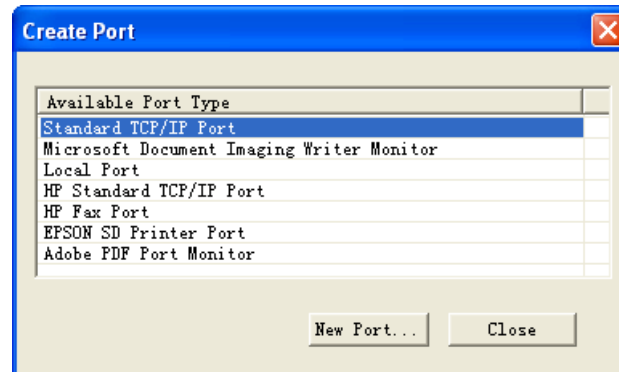
4. Choose the printer model in the list and click Next to continue.



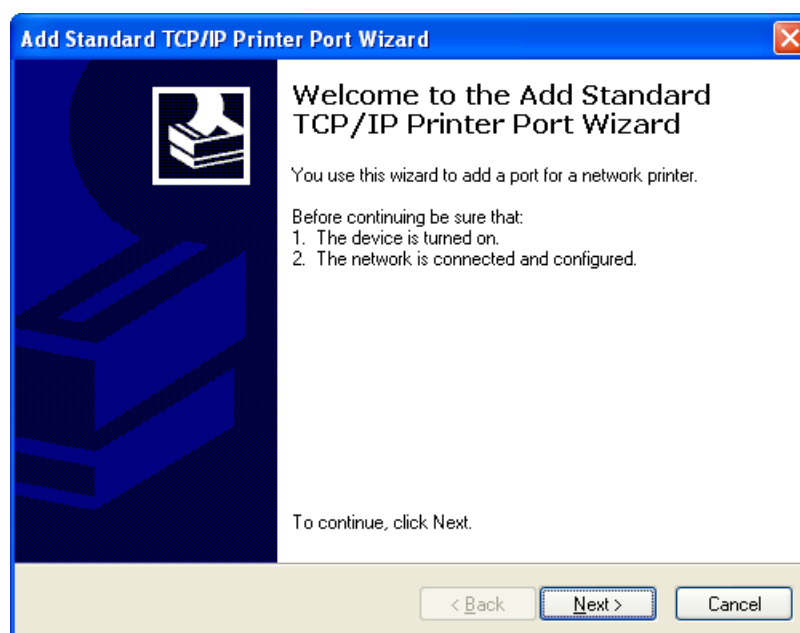
5. Create a new Ethernet port by clicking “Create Port”.



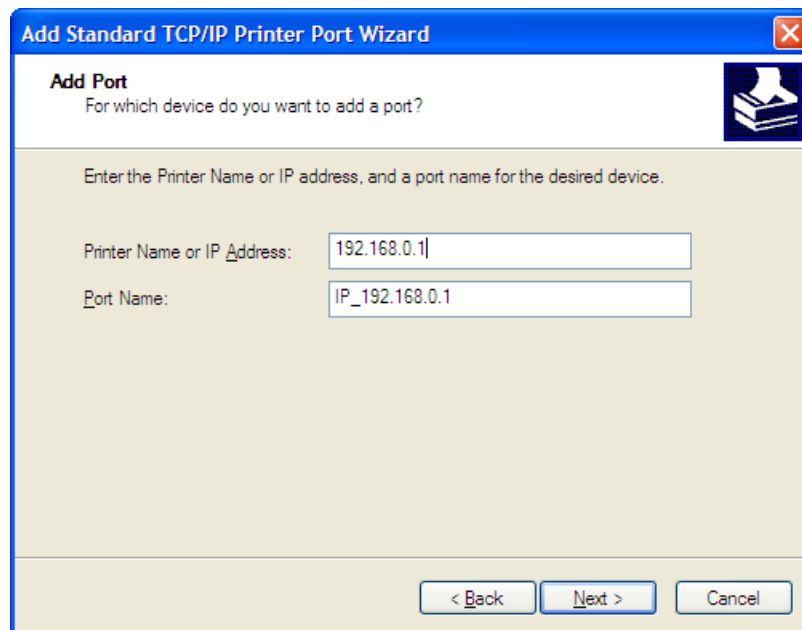
6. Select “Standard TCP/IP Port” in the list and click “New Port” button.



7. Add Standard TCP/IP Printer Port Wizard.

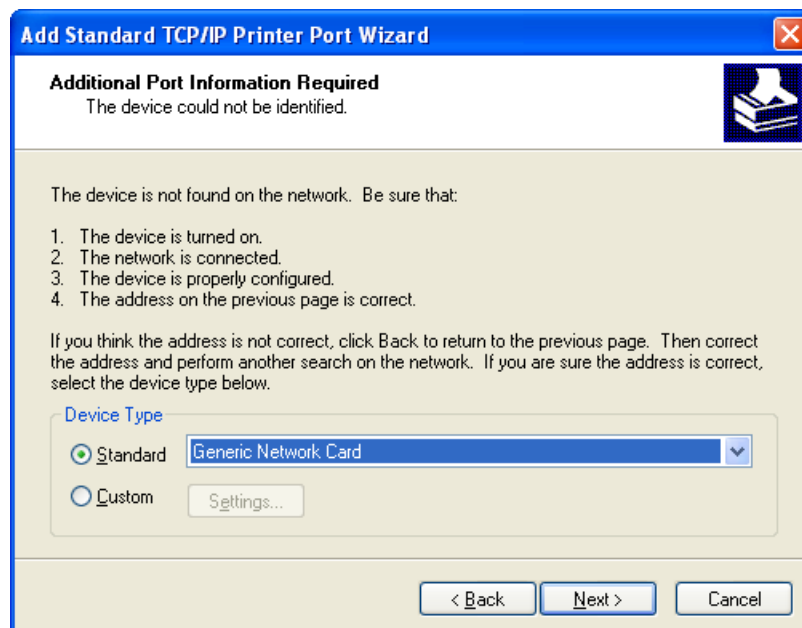


8. Enter the printer IP address into “Printer Name or IP Address” entry. The WIFI printer’s default IP address is 192.168.0.1.



The screenshot shows the 'Add Standard TCP/IP Printer Port Wizard' dialog box. The title bar is blue with 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'.

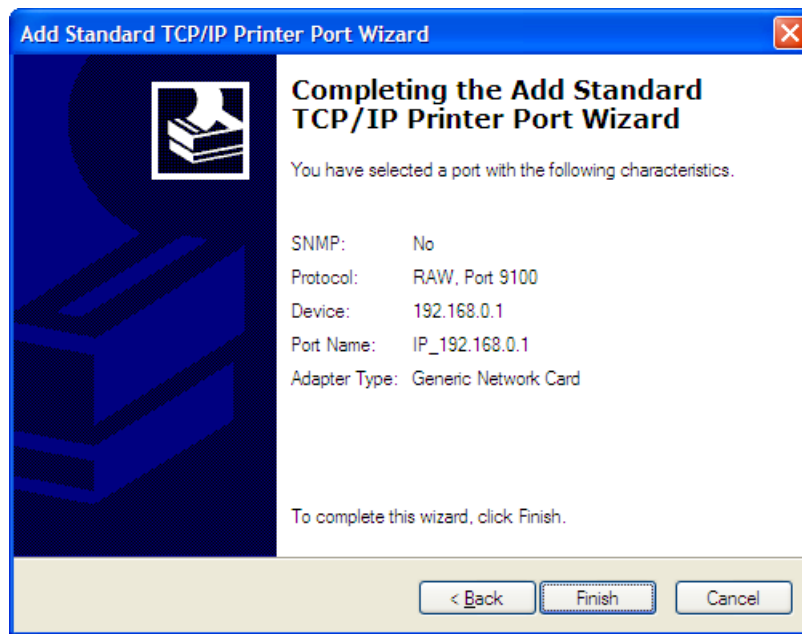
9. Choose Standard “Generic Network Card” as device type.



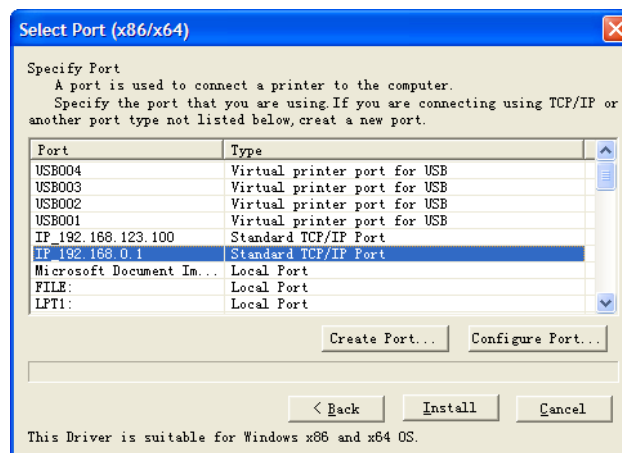
The screenshot shows the 'Add Standard TCP/IP Printer Port Wizard' dialog box, Step 2: Additional Port Information Required. The title bar is blue with a close button. The main area has a light beige background. At the top, it says 'Additional Port Information Required' and 'The device could not be identified.' 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 next to a dropdown menu showing 'Generic Network Card'. The 'Custom' radio button is next to a 'Settings...' button. At the bottom, there are three buttons: '< Back', 'Next >', and 'Cancel'.



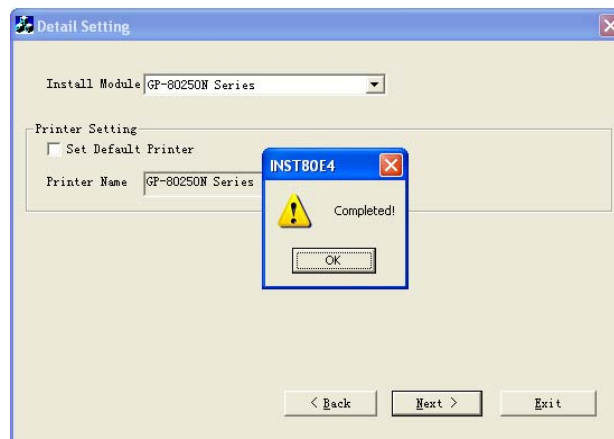
10. Click “Finish” button to complete the new Ethernet port creation.



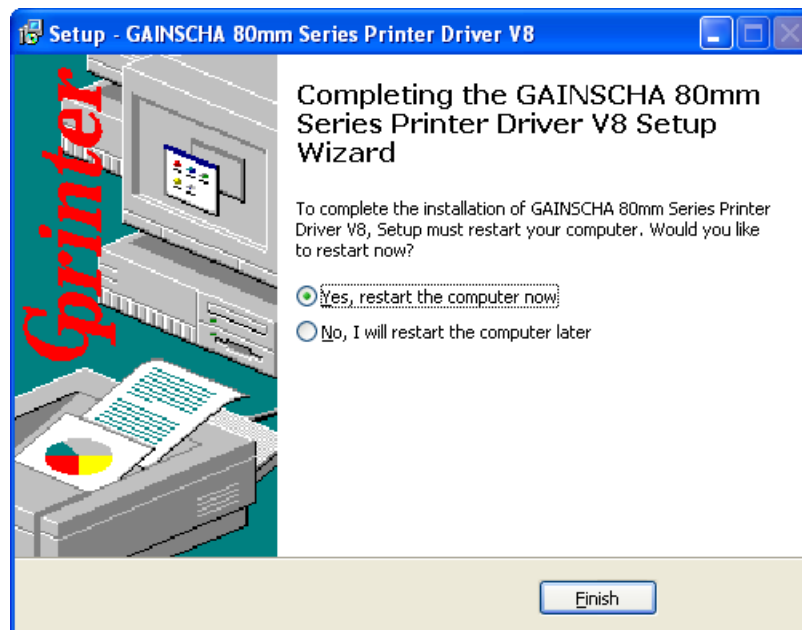
11. Select the Ethernet port in the list and click “Install” to install the Windows driver for the printer.



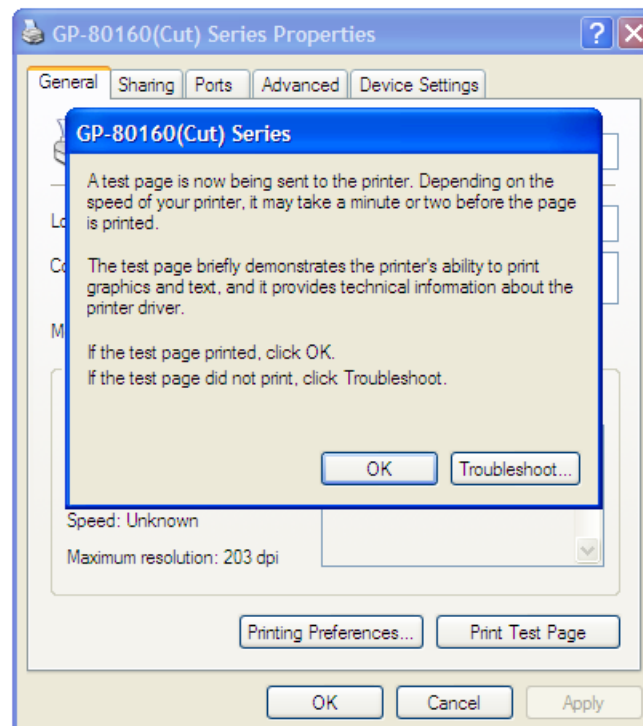
12. Installation of the Windows driver completed.



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.



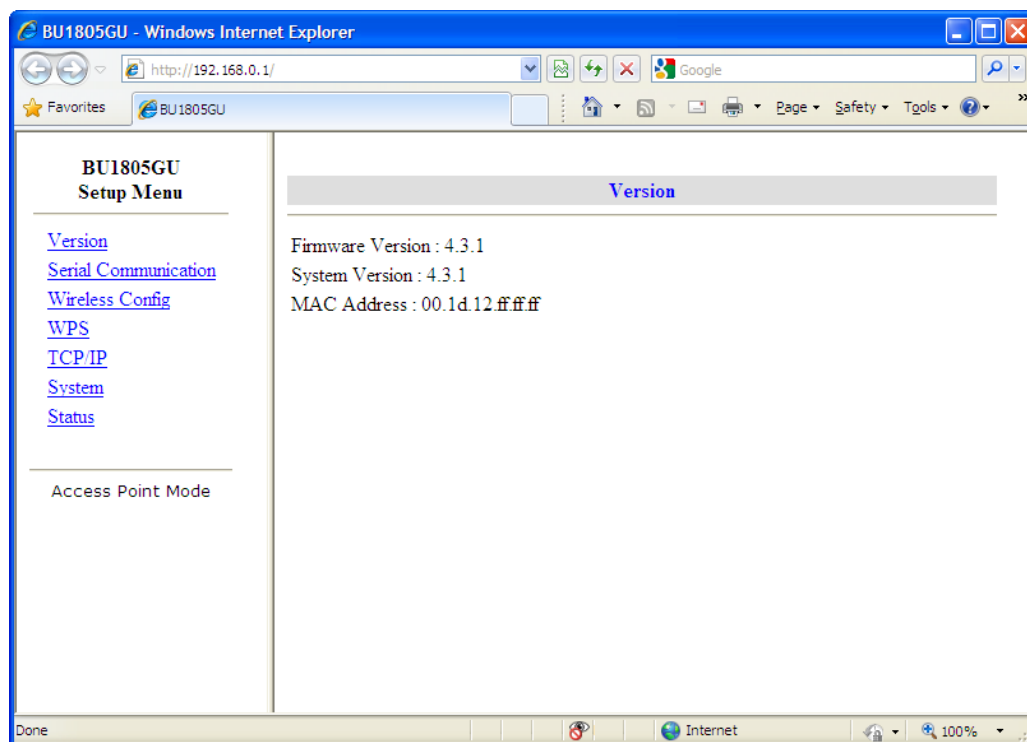
## CHAPTER 3

### CONFIGURATION OF PRINTER WIRELESS INTERFACE

#### 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 “**admin000**” and password is “**password**”. After login, the interface version page will be shown.



## 2. Serial Communication Setting

If you change the serial port baud rate in this page, you need to adjust the printer DIP switch accordingly.

The screenshot shows the 'Serial Communication' setup page for the BU1805GU device. The left sidebar contains a 'Setup Menu' with links for Version, Serial Communication, Wireless Config, WPS, TCP/IP, System, and Status. The main content area is titled 'Serial Communication' and contains two sections: 'Serial port Setup' and 'Terminal Mode Setup'. The 'Serial port Setup' section includes fields for Baud Rate (115200), Data Bit (8), Parity (None), Stop Bit (1), Flow Control (Enable), Startup Timeout (3), and Inter-character Delay (None). The 'Terminal Mode Setup' section includes fields for Number of Delimiter (1), Delimiter 1st Byte (0D), Delimiter 2nd Byte (0A), Delimiters for UDP Receive (Not Add), Send Interval (100), and Send Buffer Size (1460). An 'Apply' button is located at the bottom right of the form.

Serial port Setup	
Baud Rate	115200
Data Bit	8
Parity	None
Stop Bit	1
Flow Control	Enable
Startup Timeout(1 to 60sec)	3
Inter-character Delay	None

Terminal Mode Setup	
Number of Delimiter(byte)	1
Delimiter 1st Byte(HEX)	0D
Delimiter 2nd Byte(HEX)	0A
Delimiters for UDP Receive	Not Add
Send Interval(10 to 3000msec)	100
Send Buffer Size(1 to 1460byte)	1460

## 3. Wireless Config

In this page, you can change the wireless interface settings, such as Signal Channel, SSID, Connection Password (WEP/WPA/WPA2), and etc.

The screenshot shows the 'Wireless Config' setup page for the BU1805GU device. The left sidebar contains a 'Setup Menu' with links for Version, Serial Communication, Wireless Config, WPS, TCP/IP, System, and Status. The main content area is titled 'Wireless Config' and contains fields for Communication Type (Infrastructure), Channel (11), SSID (Printer), Security (None), WEP Key (0000000000), WPA/WPA2 Pre-Shared Key (00000000), and The maximum channel to be used (11). An 'Apply' button is located at the bottom right of the form.

Communication Type	Infrastructure
Channel	11
SSID	Printer
Security	None
WEP Key(HEX:10/26 characters)	0000000000
WPA/WPA2 Pre-Shared Key(8 to 64 characters)	00000000
The maximum channel to be used	11

## 4. TCP/IP

You can adjust the default network settings in this page, such as DHCP mode, IP address, Subnet mask, Gateway address, etc.

The screenshot shows the 'TCP/IP' configuration page of the BU1805GU device. The browser window is titled 'BU1805GU - Windows Internet Explorer' and the address bar shows 'http://192.168.0.1/'. The left sidebar contains a 'Setup Menu' with links: Version, Serial Communication, Wireless Config, WPS, TCP/IP (selected), System, and Status. Below the menu is a link for 'Access Point Mode'. The main content area is titled 'TCP/IP' and contains three sections: 'Network Setup', 'DHCP Server Setup', and 'Terminal Mode Setup'.

Network Setup	
DHCP	Server
IP Address	192.168.0.1
Subnet Mask	255.255.255.0
Gateway Address	192.168.0.1
DNS Address	192.168.0.1

DHCP Server Setup	
Start IP Address	192.168.0.10
Number of distribution	16
The unit of Lease time	Hour
Lease time	63

Terminal Mode Setup	
Protocol	TCP(Server)
Port Number	9100
Remote IP Address	192.168.0.2
Remote Port Number	9100

## 5. System

After adjusting the interface settings, you need to go to "System" page to save the changes. Select "Yes" in Save column, and click "Apply" to execute, and restart the printer to take effect.

The screenshot shows the 'System' configuration page of the BU1805GU device. The browser window is titled 'BU1805GU - Windows Internet Explorer' and the address bar shows 'http://192.168.0.1/'. The left sidebar is identical to the previous screenshot, with 'System' now selected in the 'Setup Menu'. The main content area is titled 'System' and contains three sections: 'Password', 'Management', and 'Target'.

Password	
Change Password	No
New Password	
New Password(Confirmation)	

Management	
Restore Default	No
Save	Yes

Target	
Reboot	No

## 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.

For example, the router network info is as following,

ROUTER SSID: TP-LINK

ROUTER IP ADDRESS: 192.168.1.1

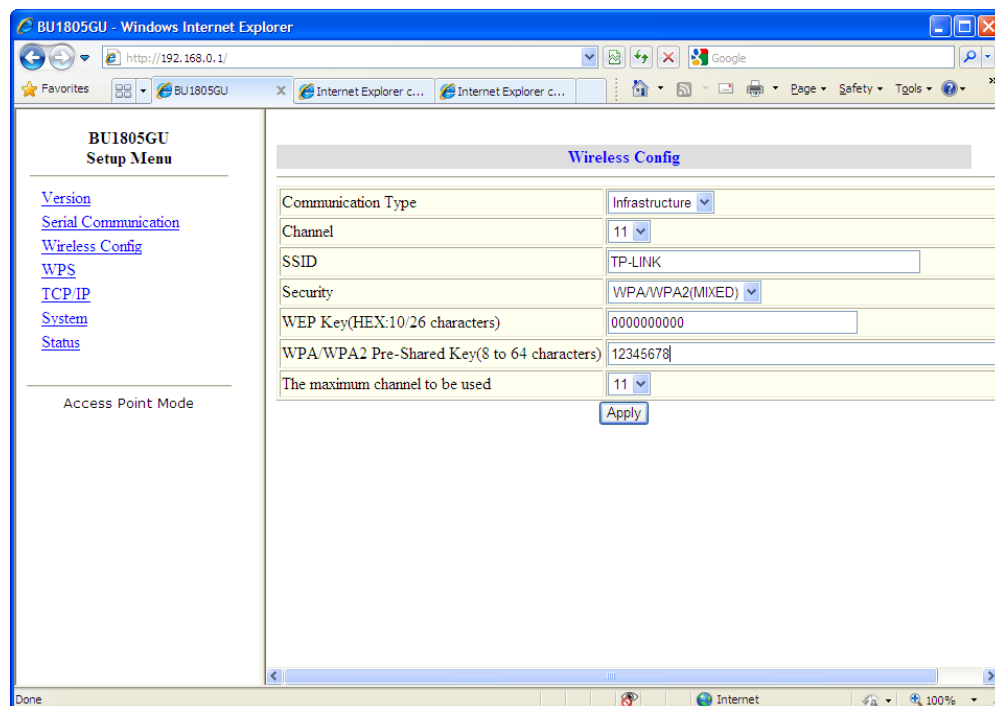
WIFI PASSWORD: 12345678

1. 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.
2. In “Wireless Config” page, set the printer wireless parameters according to the router’s, as following,

SSID: TP-LINK

Security: WPA/WPA2(MIXED)

WPA/WPA2 Pre-Shared Key: 12345678



3. In "TCP/IP" page, input the related IP address accordingly,

IP Address: 192.168.123.100 (Printer IP address, same IP range as router's)

Subnet Mask: 255.255.255.0

Gateway Address: 192.168.123.1

DNS Address: 192.168.123.1

Start IP address: 192.168.123.10

Other items keep still. Click "Apply" to continue.

The screenshot shows the "BU1805GU Setup Menu" in a web browser. The "TCP/IP" tab is selected. The "Network Setup" section contains the following fields:

Field	Value
DHCP	Server
IP Address	192.168.123.100
Subnet Mask	255.255.255.0
Gateway Address	192.168.123.1
DNS Address	192.168.123.1

The "DHCP Server Setup" section contains the following fields:

Field	Value
Start IP Address	192.168.123.10
Number of distribution	16
The unit of Lease time	Hour
Lease time	63

The "Terminal Mode Setup" section contains the following fields:

Field	Value
Protocol	TCP(Server)
Port Number	9100
Remote IP Address	192.168.123.2
Remote Port Number	9100

4. In "System" page, select "Yes" in Save, and then apply.

The screenshot shows the "BU1805GU Setup Menu" in a web browser. The "System" tab is selected. The "Password" section contains the following fields:

Field	Value
Change Password	No
New Password	
New Password(Confirmation)	

The "Management" section contains the following fields:

Field	Value
Restore Default	No
Save	Yes

The "Target" section contains the following fields:

Field	Value
Reboot	No

An "Apply" button is located at the bottom right of the "Target" section.

5. Turn off the printer, and disassemble the WIFI interface card.



6. Unplug the jumper from J2, and then install the interface back to printer.





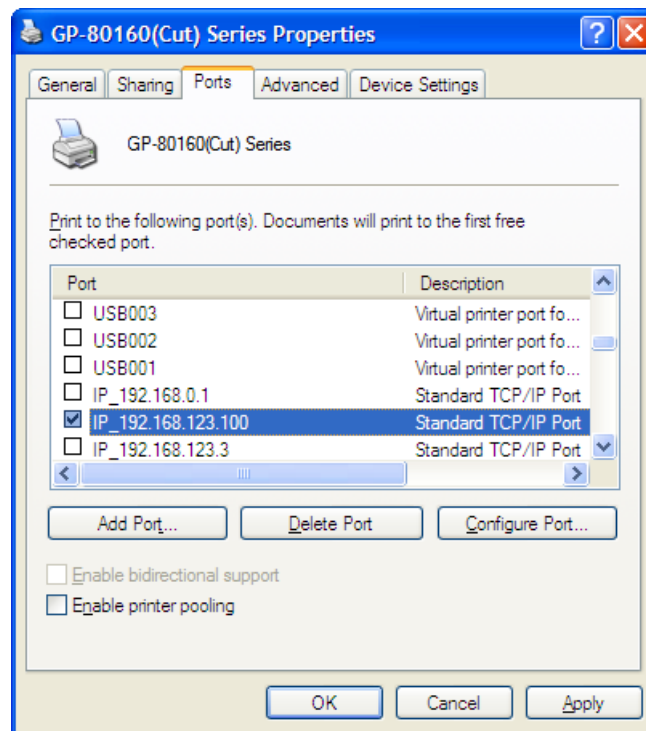
7. Turn on the printer. The printer's "ERROR" and "PAPER" LED will blink, while searching the wireless network.



8. After connecting to the preset router, the red LED lights are off. The printer is connecting to the router successfully.



9. 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 192.168.123.100 in Ports.



10. If you need to change the printer IP address to a different one, you can login to the printer web configuration to adjust. Refer **Chapter 3**.

