



Wireless Print Server
CR202
User Manual

User Manual Guide

Cheecent CR202 Print Server is designed to replace your printer host, that helps you share USB printers with multiple computers on the local network (NOT support Scanner/Cellphone/iPad), it requires four networking and computer system settings: ***Hardware Installation, Computer Environment Preparation, Set Up Print Server, Computer “add printer” Configuration.***

There are different configuration processes for Wired Ethernet mode/ WiFi mode, Windows / Mac System:

- If you want to set up **WiFi mode** print server in **Windows**, please go to Chapter 4 (Page 4 - Page 30).
- If you want to set up **Wired Ethernet mode** print server in **Windows**, please go to Chapter 5 (Page 31 - Page 55).
- If you want to set up **WiFi mode** print server in **Mac**, please go to Chapter 6 (Page 56 - Page 63).
- If you want to set up **Wired Ethernet mode** print server in **Mac**, please go to Chapter 7 (Page 64 - Page 71).

Note: Set Up Video will be more helpful and easy for configuration, please view them on our Amazon product listing's "Videos" and "Customer questions & answers", or search “cheecent” on Youtube to view our channel.

If you need Technical Support, Customize or other requirements, PLEASE contact us via Email/Skype: **cheecent@outlook.com**

CONTENTS

1.Package Contents	1
2.Environmental Requirements	1
3.Hardware Introduction	2
3.1 Overview	2
3.2 LED Indicators	3
3.3 Reset Button	3
4. WiFi (Wireless) Mode Print Server Installation - Windows	4
4.1 Hardware Installation	4
4.2 Computer Environment Preparation	5
4.3 Set Up Print Server	8
4.4 Computer “add printer” Configuration - Windows	18
Turn off “Bidirectional Mode” when your printer has non-stop printing or other issue	25
5. Wired Ethernet Mode Print Server Installation - Windows	31
5.1 Hardware Installation	31
5.2 Computer Environment Preparation	32
5.3 Set Up Print Server	35
5.4 Computer “add printer” Configuration - Windows	43
Turn off “Bidirectional Mode” when your print has non-stop printing or other issue	50
6. WiFi (Wireless) Mode Print Server Installation - Mac	56
6.1 Hardware Installation (Please refer to chapter 4.1)	56
6.2 Computer Environment Preparation (Please refer to chapter 4.2)	56
6.3 Set Up Print Server (Please refer to chapter 4.3)	56
6.4 Mac “add printer” Configuration	56
7. Wired Ethernet Mode Print Server Installation - Mac	64

7.1 Hardware Installation (Please refer to chapter 5.1)	64
7.2 Computer Environment Preparation (Please refer to chapter 5.2)	64
7.3 Set Up Print Server (Please refer to chapter 5.3)	64
7.4 Mac “add printer” Configuration	64
8. Troubleshooting	72
8.1 WiFi Connection Issue	72
8.2 Wired Ethernet Connection Issue	75
8.3 Print Server System Login Issue	75
8.4 Web Browser Issue	76
8.5 Computer Add Printer Issue	76
8.6 Forget The Print Server Password or Login IP Issue	77
8.7 No Local Network (Internet)	77
8.8 Use WiFi to Set Up Print Server Instead of Ethernet Cable	78
8.9 The Printer Keep Printing Without Stop When Using This Print Sever	78
8.10 Contact Technical Support	78
9. Customer Service	79

1.Package Contents

Before installing your CR202 Print Server, please verify the kit contents as following.

- 1 x CR202 Print Server
- 1 x Power Adapter(12V DC/1A)
- 1 x User Manual
- 1 x Ethernet Cable
- 1 x SMA Wi-Fi antenna

***If any of the above items are missing or damaged, please get in touch with us.**

***If this user manual is not clear enough for you, please download a more clear electronic user manual/video on our website:**

www.cheecent.com

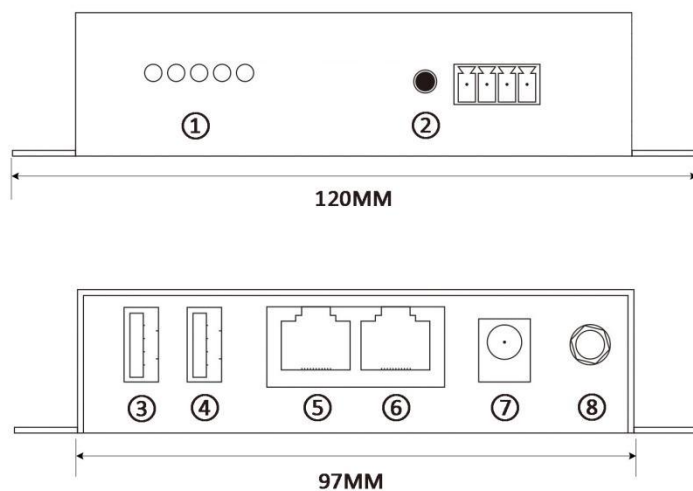
***Please refer to our “Printer Compatibility Lists information” on the website before installation.**

2.Environmental Requirements

- Input voltage: 7.5V-32V(standard DC12V/1A)
- Operating temperature: -30 to +70 °C
- Storage temperature: -40 to 85°C
- Relative humidity: < 95% (no condensation)

3. Hardware Introduction

3.1 Overview



- ① LED Indicators: PWR, WIFI, WAN, LAN, LINK.
- ② RST: Reset Button.
- ③ USB1: Connect USB cable with Printer A.
- ④ USB2: Connect USB cable with Printer B.
- ⑤ LAN: Ethernet RJ45 Port LAN.
- ⑥ WAN/LAN: Ethernet RJ45 Port WAN.
- ⑦ POWER: Power supply connector, input 7.5V-32V DC.
- ⑧ WIFI: Connector that connect with Wi-Fi antenna.

3.2 LED Indicators

Name	Color	Status	Description
PWR	Green	On	Device is powered on
		Off	Device is powered off
WAN	Green	On, blinking	Link connection is working
		Off	Link connection is not working
LAN	Green	On, blinking	Link connection is working
		Off	Link connection is not working
WiFi	Green	On, blinking	WiFi connection is working
		Off	WiFi connection is not working
LINK	Green	On, blinking	Link is powered on
		Off	Link is powered off

3.3 Reset Button

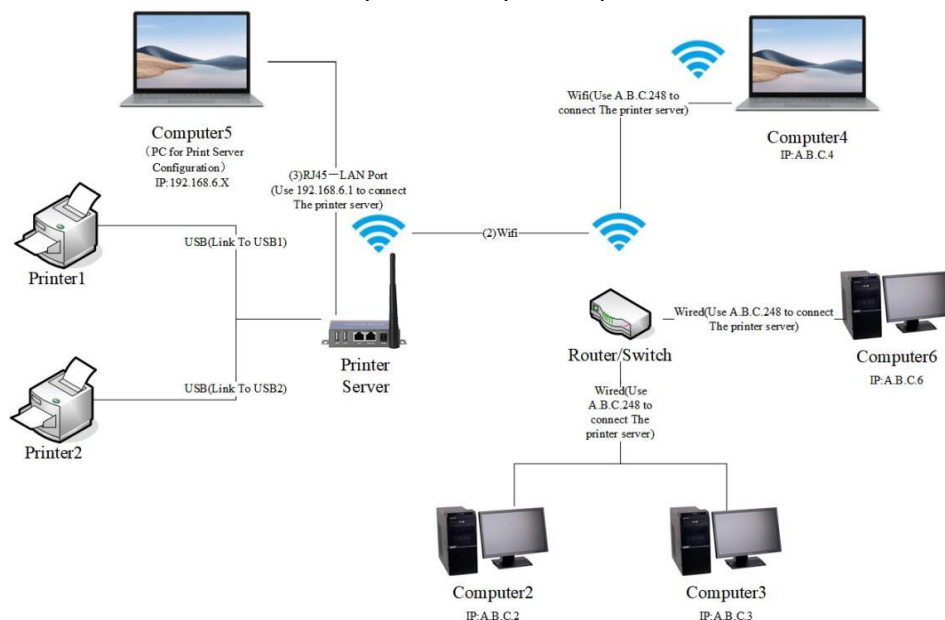
After powering up the print server, press and hold the RST button for 10 seconds, and release the button, then **all LEDs will light up together once** to successfully return the print server to factory defaults.

4. WiFi (Wireless) Mode Print Server Installation - Windows

This Print Server can replace your printer host and helps you share USB printers with multiple computers on the local network, it required four networking and computer system settings: **Hardware Installation, Computer Environment Preparation, Set Up Print Server, Computer “add printer” Configuration.**

4.1 Hardware Installation

- Connect the Print Server to a Printer: Connect a **USB cable** to the USB port of the server and your printer.
- Connect the Print Server to a Computer: Connect an Ethernet cable to the print server's **LAN** port (NOT “WAN/LAN” Port), and connect the other end of this Ethernet cable to the computer.
- Attach included Wi-Fi antenna to the server's antenna connector and twist tightly.
- Connect with included power adapter to power on the server.



4.2 Computer Environment Preparation

To avoid IP conflict and successfully set up a print server, please prepare the computer environment as below steps:

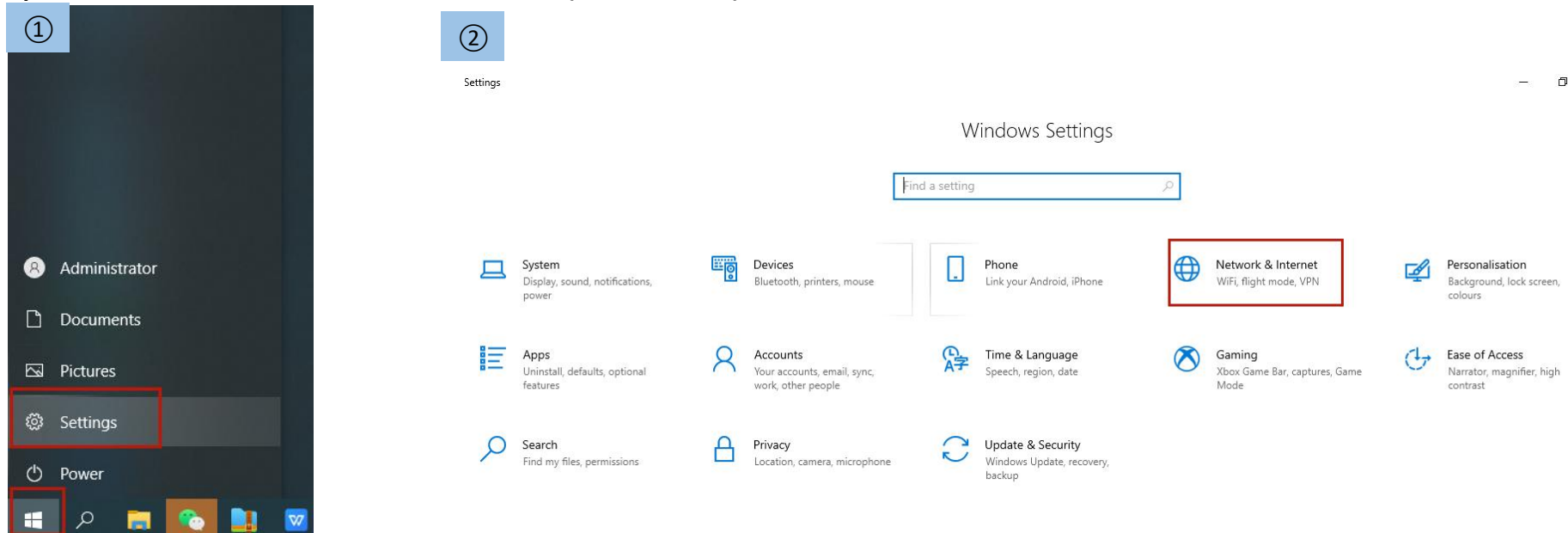
4.2.1 Print Server's **LAN** port connects with the configuration computer via **Ethernet** cable; Print Server connects with the printer via **USB** cable.

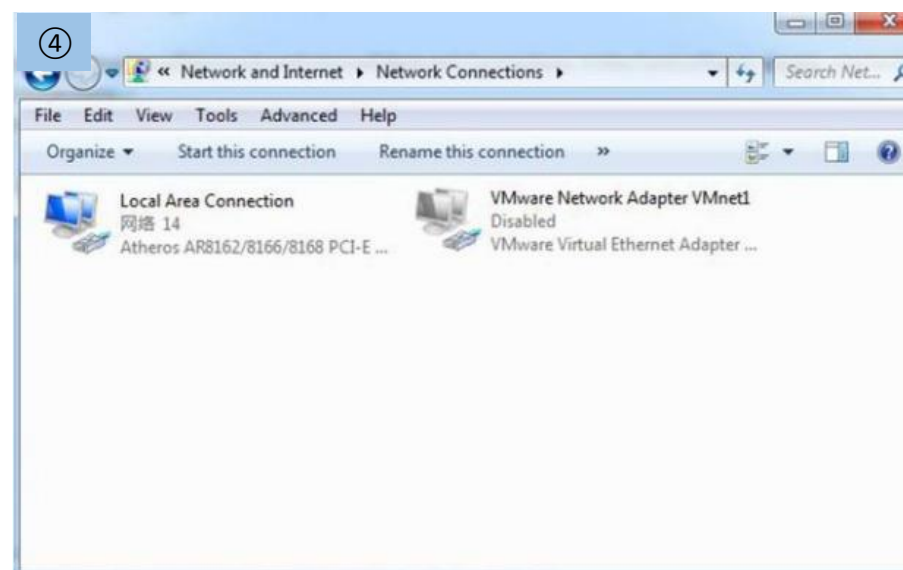
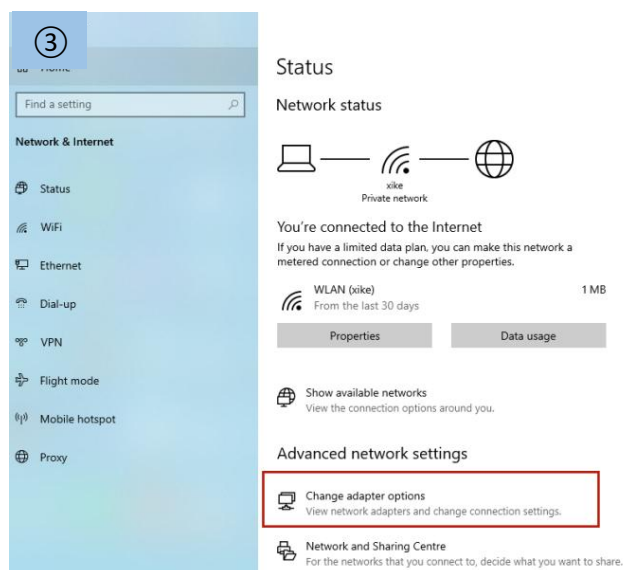
4.2.2 Make Sure the computer has already installed the **printer driver** software, you can directly connect the computer with the printer to install driver software automatically, or download driver software from the printer's website to manually install.

4.2.3 Configure the **computer to obtain an IP address automatically** from "Local Area Connection"(Ethernet card).

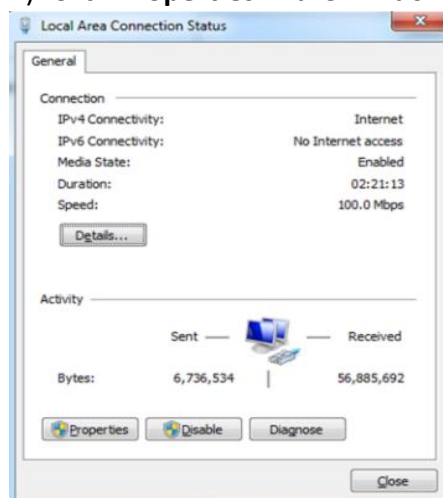
Take Win 10 for example, Mac system is the similar method:

1) **Disconnect the computer's WiFi connection.** Then click **Start > Settings (Control panel)**, click **Networks & Internet**, click **Change adapter options**, then double-click **Local Area Connection (Ethernet Card)**.

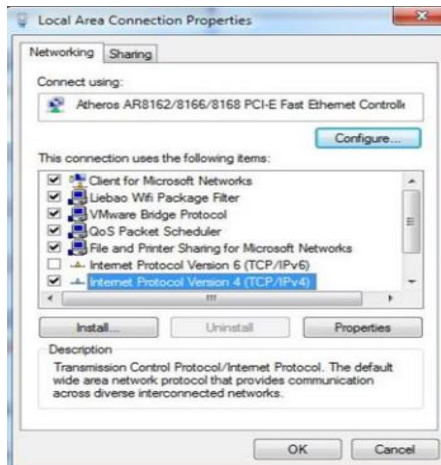




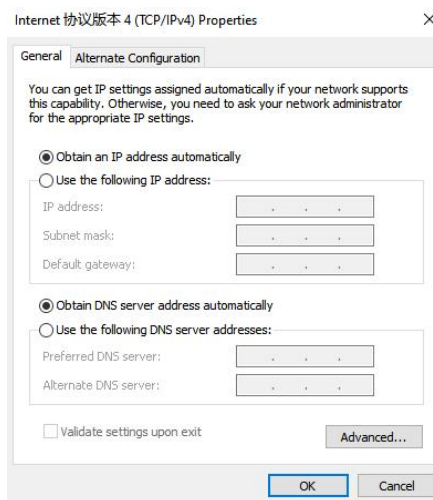
2) Click **Properties** in the window of **Local Area Connection (Ethernet Card) Status**.



3) Choose **Internet Protocol Version 4 (TCP/IPv4)** and click **Properties**.



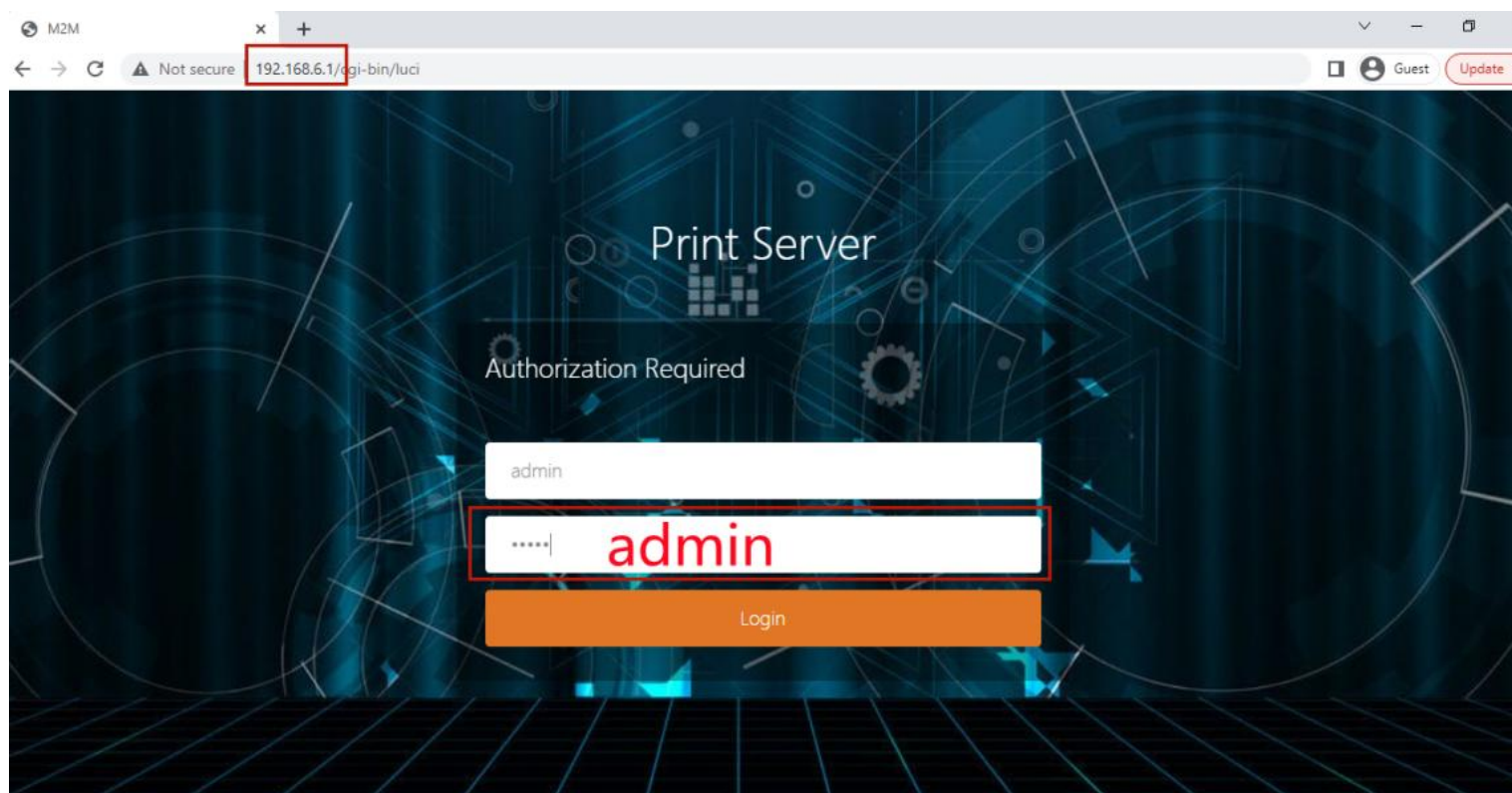
4) Select “**Obtain an IP address automatically**”, then Click **OK**. This Computer Environment is ready for the log-in print server system to make configuration.



4.3 Set Up Print Server

4.3.1 Log-in Print Server System

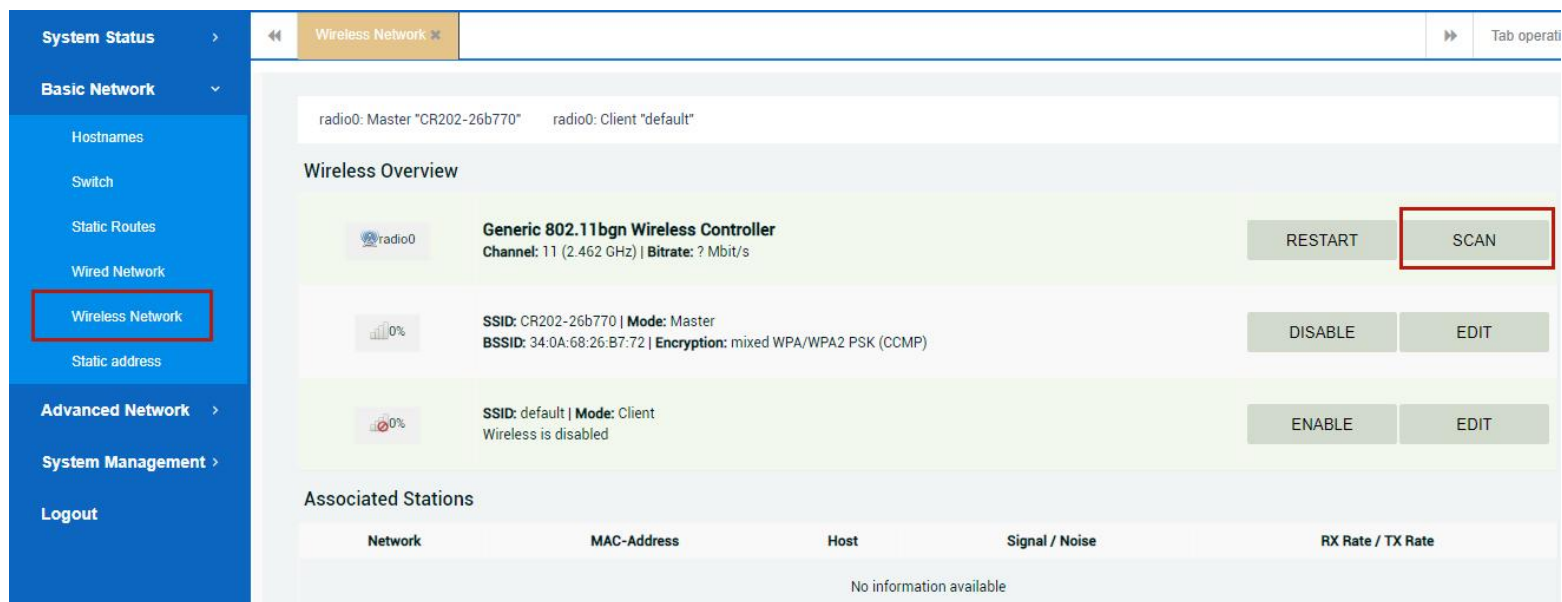
- 1) On your computer, open a web browser such as Safari, Google or Firefox etc. Type the Server's LAN address into the address bar and press enter. The default LAN address of the server is 192.168.6.1
- 2) On the login page, enter the username and password, then click Login. The default username and password are "admin".



4.3.2 Set Print Server Connect to WiFi Network

Note: Make sure the print server is placed within your home/office Wi-Fi coverage range, and it is 2.4Ghz WiFi, not 5Ghz WiFi.

1) After login print sever, **Basic Network > Wireless Network**, click **SCAN** button.

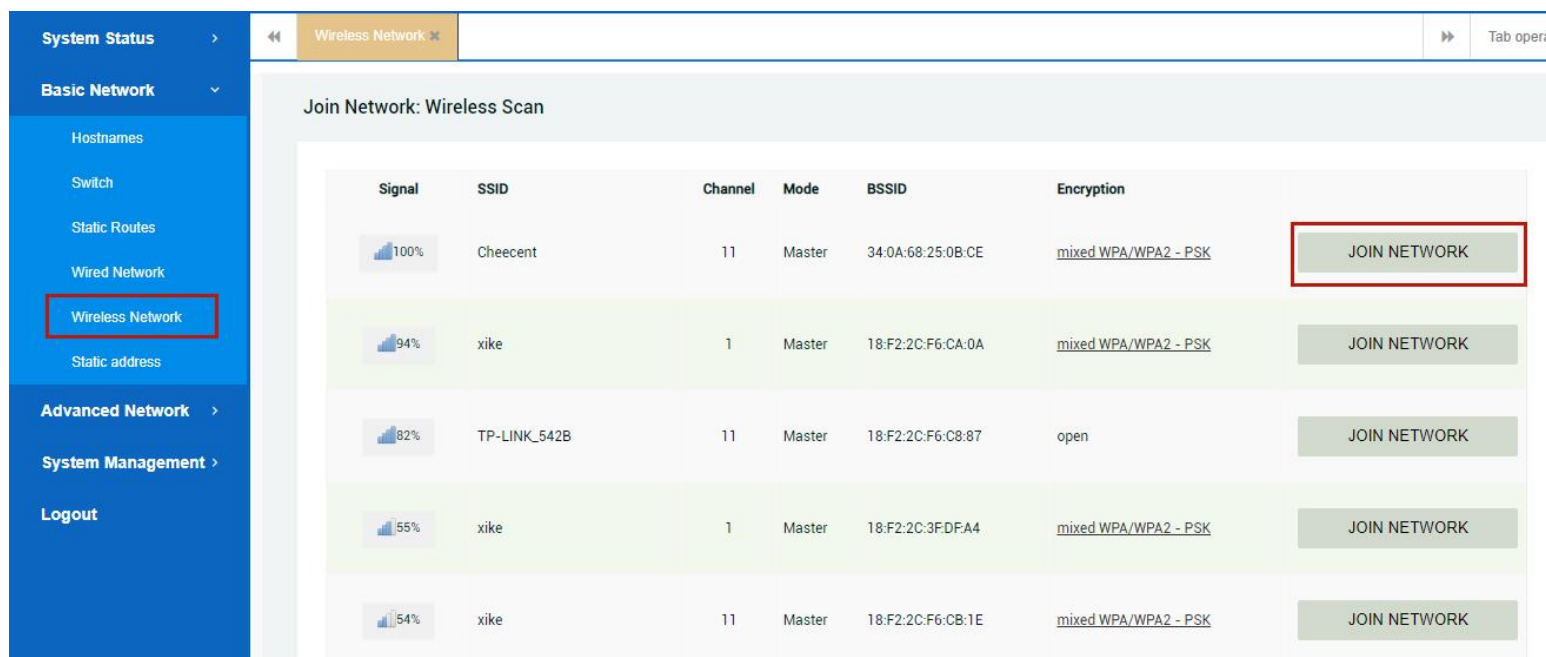


The screenshot displays the Cheecent web interface. On the left sidebar, the 'Wireless Network' option is selected and highlighted with a red box. The main content area shows the 'Wireless Overview' section. At the top, it indicates 'radio0: Master "CR202-26b770" radio0: Client "default"'. Below this, the 'Wireless Overview' section contains three entries:

- Generic 802.11bgn Wireless Controller**: Channel: 11 (2.462 GHz) | Bitrate: ? Mbit/s. This entry has 'RESTART' and 'SCAN' buttons. The 'SCAN' button is highlighted with a red box.
- SSID: CR202-26b770 | Mode: Master**: BSSID: 34:0A:68:26:B7:72 | Encryption: mixed WPA/WPA2 PSK (CCMP). This entry has 'DISABLE' and 'EDIT' buttons.
- SSID: default | Mode: Client**: Wireless is disabled. This entry has 'ENABLE' and 'EDIT' buttons.

Below the 'Wireless Overview' section is the 'Associated Stations' section, which includes a table with the following columns: Network, MAC-Address, Host, Signal / Noise, and RX Rate / TX Rate. The table currently shows 'No information available'.

2) Select your home/office WiFi network name, click **JOIN NETWORK** button.



Signal	SSID	Channel	Mode	BSSID	Encryption	
100%	Cheecent	11	Master	34:0A:68:25:0B:CE	mixed WPA/WPA2 - PSK	JOIN NETWORK
94%	xike	1	Master	18:F2:2C:F6:CA:0A	mixed WPA/WPA2 - PSK	JOIN NETWORK
82%	TP-LINK_542B	11	Master	18:F2:2C:F6:C8:87	open	JOIN NETWORK
55%	xike	1	Master	18:F2:2C:3F:DF:A4	mixed WPA/WPA2 - PSK	JOIN NETWORK
54%	xike	11	Master	18:F2:2C:F6:CB:1E	mixed WPA/WPA2 - PSK	JOIN NETWORK

3) Fill the Wi-Fi password in **WPA passphrase**, check if the password is correct (some browsers will have an auto-fill password issue), and click **SUBMIT**.

Note: DO NOT change the default “Name of the new network”, do not change any other parameters.

System Status > Wireless Network > Tab operation

Basic Network >

Hostnames

Switch

Static Routes

Wired Network

Wireless Network

Static address

Advanced Network >

System Management >

Logout

Joining Network: "Cheecent"

WPA passphrase

Specify the secret encryption key here.

Name of the new network wwan

DO NOT change this network name

Create / Assign firewall-zone wan: wan

Choose the firewall zone you want to assign to this interface. Select unspecified to remove the interface from the associated zone or fill out the create field to define a new zone and attach the interface to it.

BACK TO SCAN RESULTS SUBMIT

Print Server v2.4.220428

4) Click **SAVE & APPLY** button.

System Status > Wireless Network > Tab operation

Basic Network >

Hostnames

Switch

Static Routes

Wired Network

Wireless Network

Static address

Advanced Network >

System Management >

Logout

Interface Configuration

General Setup Wireless Security Advanced Settings

Mode Client

ESSID Cheecent

BSSID 34:0A:68:25:0B:CE

Protocol DHCP

Metric 15

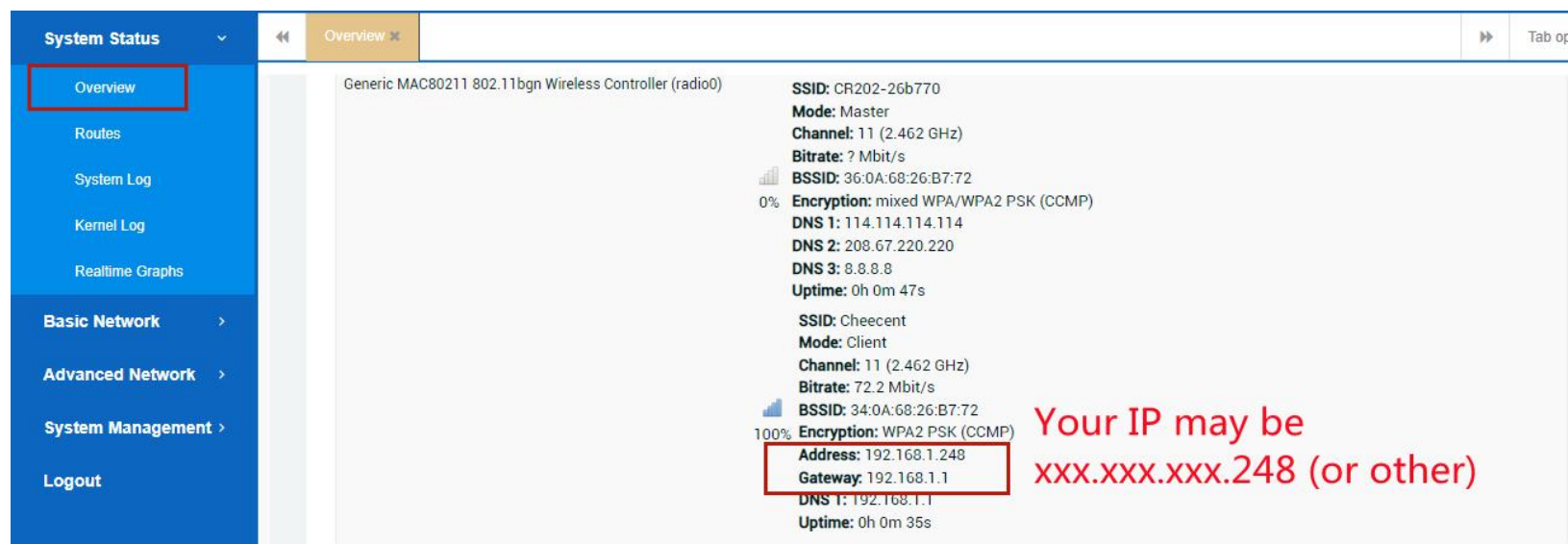
Bridge ☐

WARNING: This will disable DHCP for LAN

BACK TO OVERVIEW SAVE & APPLY RESET

5) Check the print server's WAN IP address in: **System Status > Overview > Network > Wireless**

System will use default DHCP Client mode to obtain an IP address automatically as xxx.xxx.xxx.248 (xxx.xxx.xxx is your WiFi network segment), this address will be used when computer add printer.



System Status Overview

Generic MAC80211 802.11bgn Wireless Controller (radio0)

SSID: CR202-26b770
Mode: Master
Channel: 11 (2.462 GHz)
Bitrate: ? Mbit/s
BSSID: 36:0A:68:26:B7:72
0% Encryption: mixed WPA/WPA2 PSK (CCMP)
DNS 1: 114.114.114.114
DNS 2: 208.67.220.220
DNS 3: 8.8.8.8
Uptime: 0h 0m 47s

SSID: Cheecent
Mode: Client
Channel: 11 (2.462 GHz)
Bitrate: 72.2 Mbit/s
BSSID: 34:0A:68:26:B7:72
100% Encryption: WPA2 PSK (CCMP)
Address: 192.168.1.248
Gateway: 192.168.1.1
DNS 1: 192.168.1.1
Uptime: 0h 0m 35s

Your IP may be xxx.xxx.xxx.248 (or other)

6) Static IP address.

If the print server's Wi-Fi DHCP obtain IP address is not as of xxx.xxx.xxx.248?

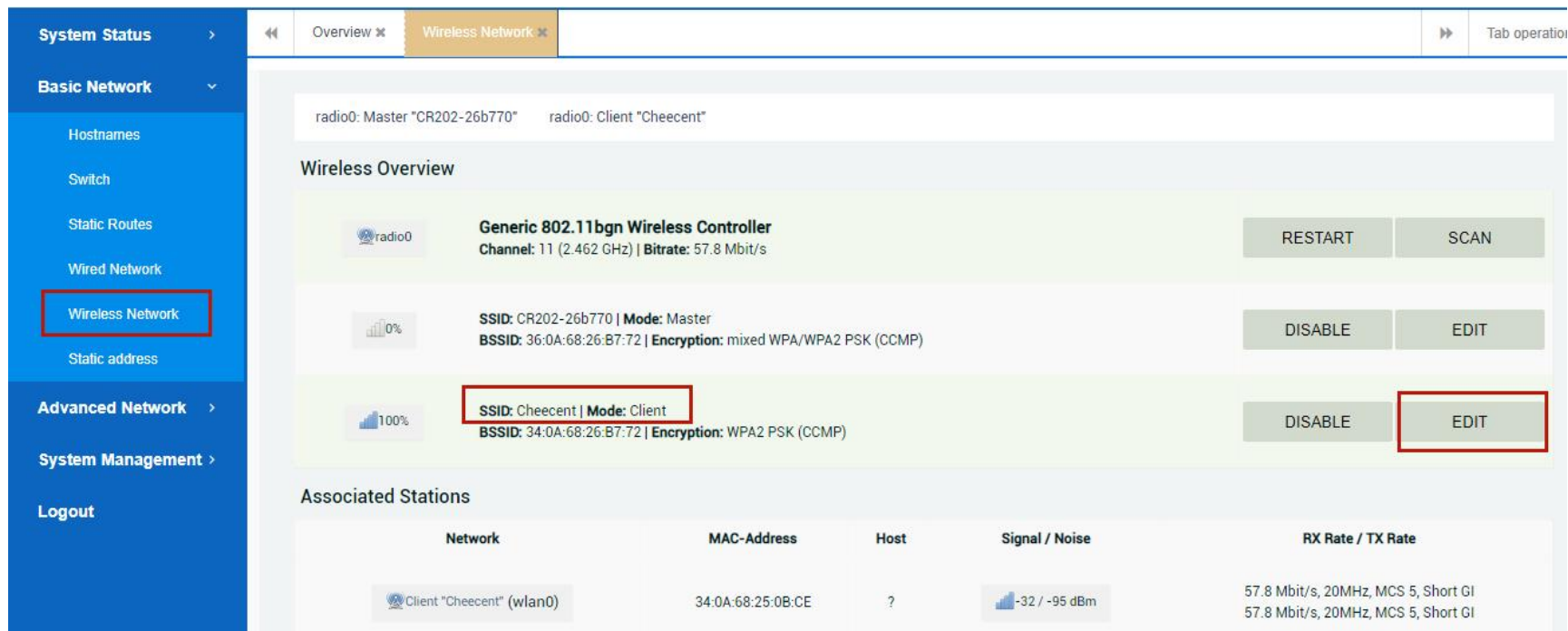
If xxx.xxx.xxx.248 IP address is already occupied by another device in this network?

If you need to set two or more print servers in the same local network (subnet)?

Then, you have to manually set a static IP address for this Print Server's WiFi WAN port as following steps:

Note: This prevents the print server from getting a different IP address every restart, otherwise it will cause the computer can not use the original IP address added. When setting two or more print servers in the same network, it needs different static IP for each.

Step 1: **Basic Network > Wireless Network**, select SSID (your Wi-Fi name) Mode is **Client**, click **EDIT** button.



radio0: Master "CR202-26b770" radio0: Client "Cheecent"

Wireless Overview

Radio	Controller	Channel	Bitrate	Buttons
radio0	Generic 802.11bgn Wireless Controller	11 (2.462 GHz)	57.8 Mbit/s	RESTART, SCAN
	SSID: CR202-26b770 Mode: Master			
	BSSID: 36:0A:68:26:B7:72 Encryption: mixed WPA/WPA2 PSK (CCMP)	DISABLE, EDIT		
	SSID: Cheecent Mode: Client			
	BSSID: 34:0A:68:26:B7:72 Encryption: WPA2 PSK (CCMP)	DISABLE, EDIT		

Associated Stations

Network	MAC-Address	Host	Signal / Noise	RX Rate / TX Rate
Client "Cheecent" (wlan0)	34:0A:68:25:0B:CE	?	-32 / -95 dBm	57.8 Mbit/s, 20MHz, MCS 5, Short GI 57.8 Mbit/s, 20MHz, MCS 5, Short GI

Step 2: **General Setup > Protocol** > Select **Static address**, Set the IP address in the same network segment with the home/office router and the last IP number is 248 or other, and set subnet/gateway/DNS address correspondingly (refer to your other networked devices), click **SAVE & APPLY** button.

System Status > Wireless Network x

Basic Network >

Hostnames

Switch

Static Routes

Wired Network

Wireless Network

Static address

Advanced Network >

System Management >

Logout

Interface Configuration

General Setup Wireless Security Advanced Settings

Mode Client

ESSID Cheecent

BSSID 34:0A:68:25:0B:CE

Protocol Static address

IPv4 address 192.168.1.248

IPv4 netmask 255.255.255.0

IPv4 gateway 192.168.1.1

Metric 15

Use custom DNS servers 114.114.114.114 +

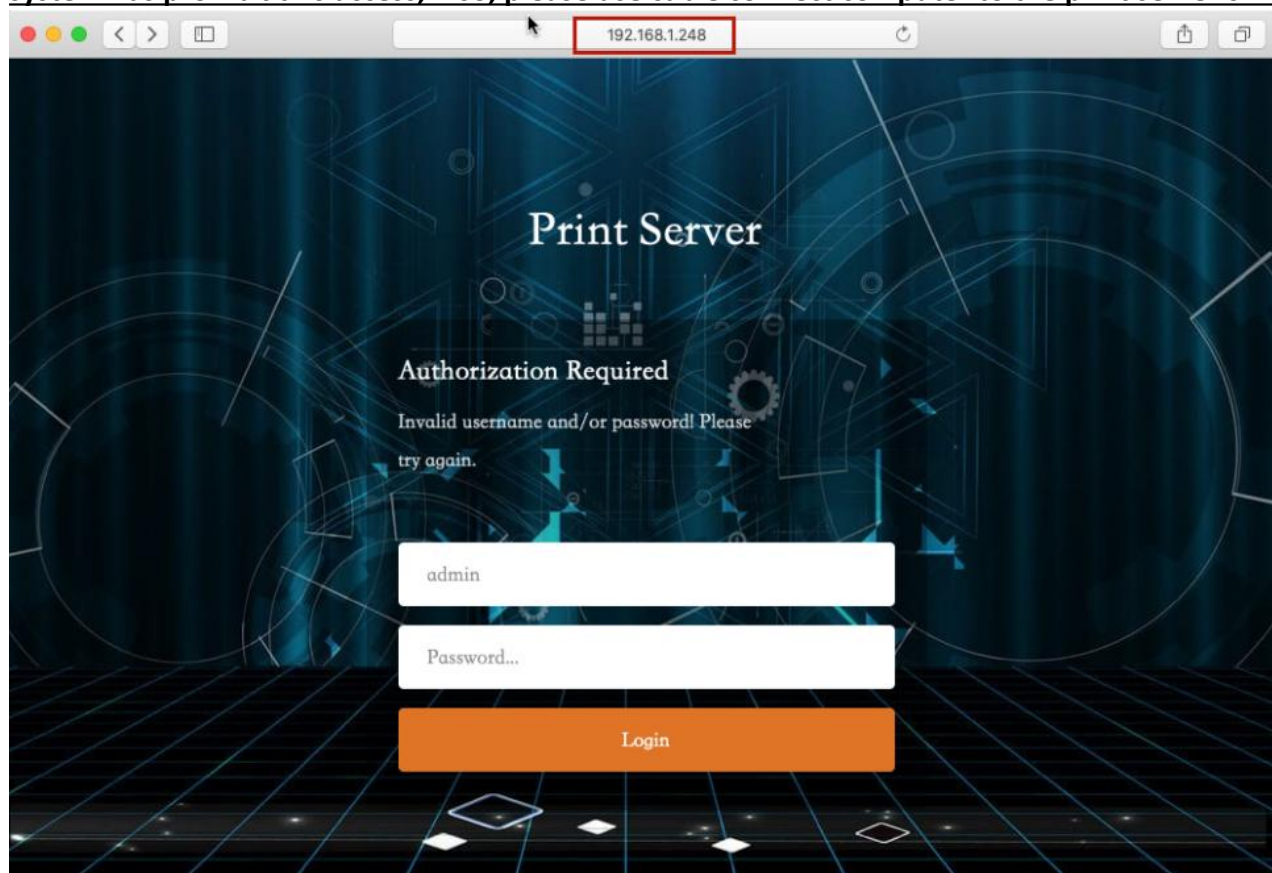
You may set xxx.xxx.xxx.248 (or other), xxx.xxx.xxx is your WiFi segment, Gateway is WiFi Router Lan.

7) The print Server setup is finished, and the computer can be disconnected from the print server, and reconnected computer to the WiFi network.

4.3.3 Get Printer Link and TCP/IP Port Information

Choose one of these ways to get **printer link** and **TCP/IP Port** information:

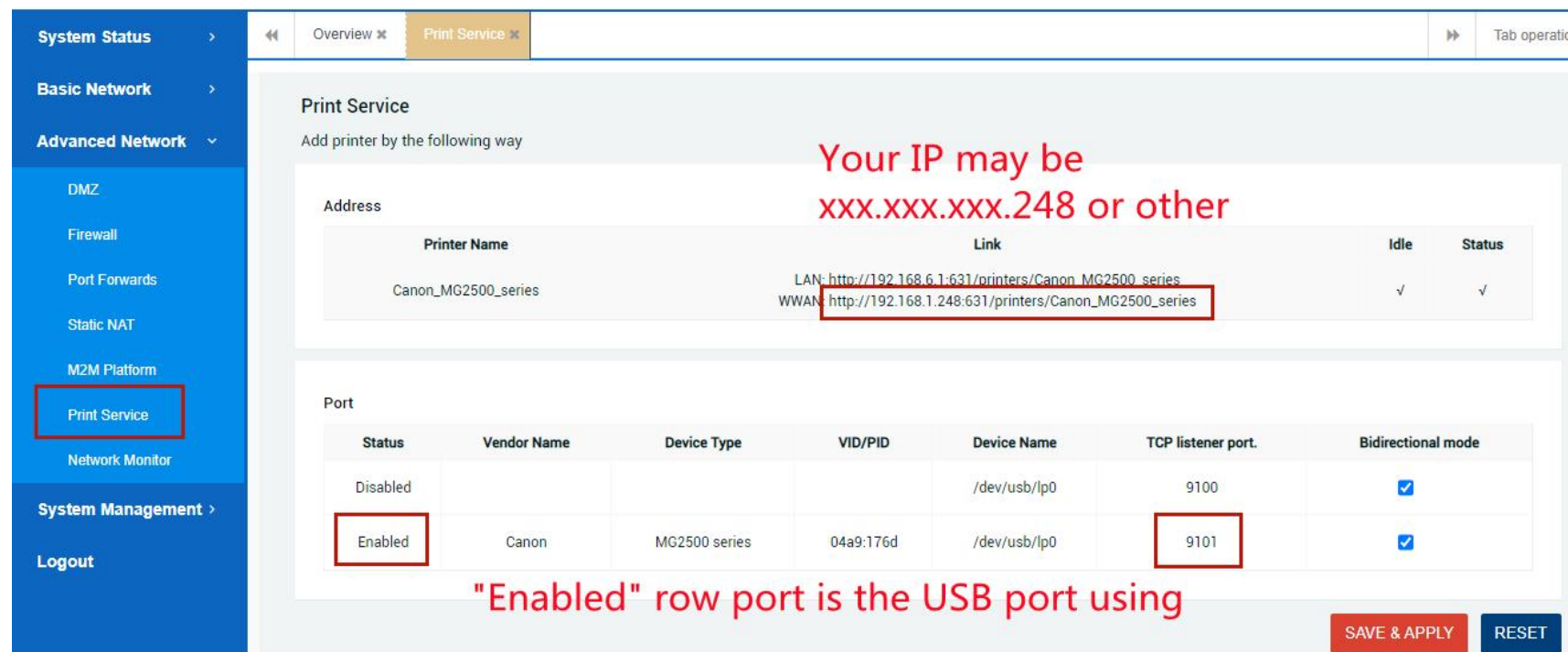
- 1) Keep the computer connected with the print server's LAN port and stay login the print server system.
- 2) Use any networked computer within the same local network/subnet to access the Print Server System, type in the printer server's IP **xxx.xxx.xxx.248 (or static IP)** in a web browser, the default login account/password is "admin". **(For security concern, the latest version system has prohibit this access, if so, please use cable connect computer to the print server's LAN port, type 192.168.6.1 in web browser)**



In the print server system:

Advanced Network > Print Service > WAN Link/WWAN Link and **TCP Listener port** to get printer link/port.

Note: If your computer has not install printer's driver yet, it can not identify the address print link and device type. So make sure your computer has already installed the printer driver software.



Print Service

Add printer by the following way

Address

Printer Name	Link	Idle	Status
Canon_MG2500_series	LAN: http://192.168.6.1:631/printers/Canon_MG2500_series WWAN: http://192.168.1.248:631/printers/Canon_MG2500_series	✓	✓

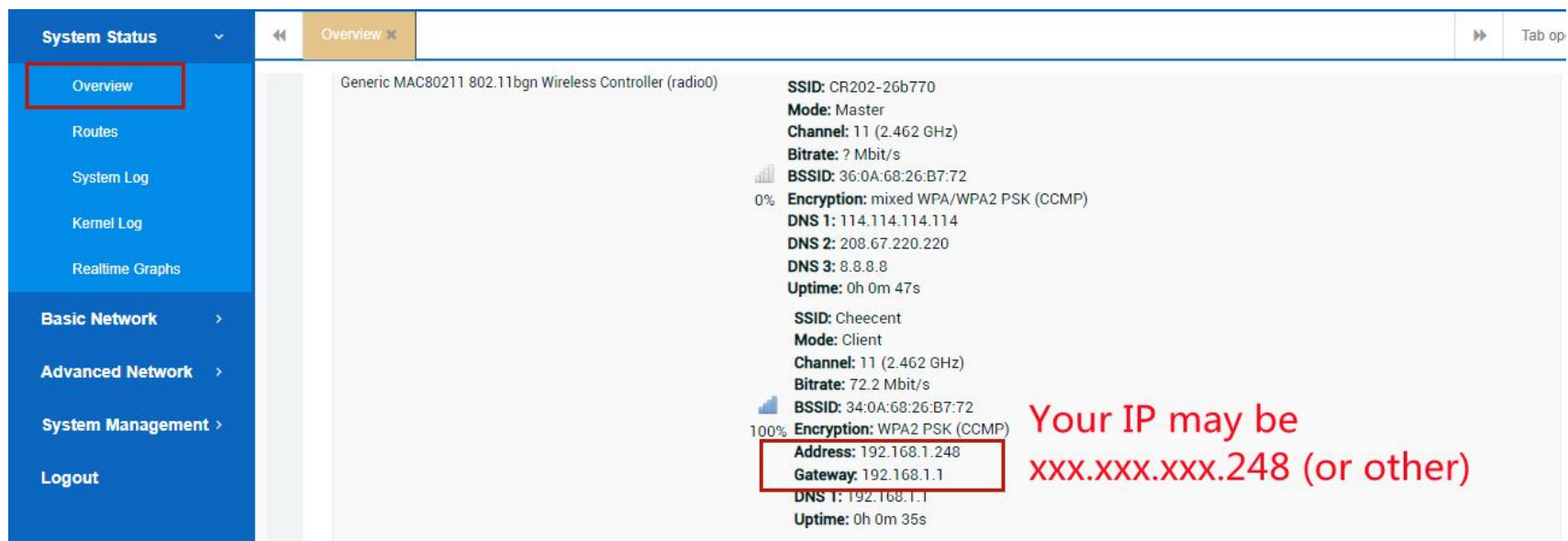
Port

Status	Vendor Name	Device Type	VID/PID	Device Name	TCP listener port.	Bidirectional mode
Disabled				/dev/usb/lp0	9100	☒
Enabled	Canon	MG2500 series	04a9:176d	/dev/usb/lp0	9101	☒

"Enabled" row port is the USB port using

SAVE & APPLY **RESET**

System Status > Overview > Network > Wireless to get Print Server IP at **xxx.xxx.xxx.248 or other**. (xxx.xxx.xxx is the same as of your local network segment)



System Status > Overview > Network > Wireless

Generic MAC80211 802.11bgn Wireless Controller (radio0)

SSID: CR202-26b770
 Mode: Master
 Channel: 11 (2.462 GHz)
 Bitrate: ? Mbit/s
 BSSID: 36:0A:68:26:B7:72
 0% Encryption: mixed WPA/WPA2 PSK (CCMP)
 DNS 1: 114.114.114.114
 DNS 2: 208.67.220.220
 DNS 3: 8.8.8.8
 Uptime: 0h 0m 47s

SSID: Cheecent
 Mode: Client
 Channel: 11 (2.462 GHz)
 Bitrate: 72.2 Mbit/s
 BSSID: 34:0A:68:26:B7:72
 100% Encryption: WPA2 PSK (CCMP)
Address: 192.168.1.248
Gateway: 192.168.1.1
 DNS 1: 192.168.1.1
 Uptime: 0h 0m 35s

Your IP may be xxx.xxx.xxx.248 (or other)

4.4 Computer “add printer” Configuration - Windows

4.4.1 Preparation

Before add a networked printer to your computers, you need to prepare:

- 1) Each computer has already installed the **printer driver** software, you can directly connect the computer with the printer to install driver software automatically, or download driver software from the printer’s website to manually install.
- 2) Directly connect the computer to the printer, to test if it can print successfully. If not, you need to re-install the driver software.
- 3) The Print Server had been connected local WiFi network and use a USB cable to connect with the printer.
- 4) The Print Server and Computer are in **the same local network (LAN)**.

4.4.2 Add networked printer in Computer (Windows)

Here take Windows 10 for example, Windows XP, Windows 7 are similar.

- 1) Use “**TCP/IP Port**” to add printer (**Recommended to Use This Way**)

A) Click windows’ **Start > Setting > Devices > Add a printer or scanner** > Click “**The printer I want isn’t listed**”

Note: Windows 7/XP... need to select “**Add a network, wireless or Bluetooth printer**” before choose “**The printer I want isn’t listed**”.

Step 1: Open the Start menu and click **Settings**.

Step 2: In the Windows Settings app, click **Devices**.

Step 3: In the 'Devices' settings, click **Add a printer or scanner**.

Step 4: In the 'Printers & scanners' window, click **The printer that I want isn't listed**.

B) Select **“Add a printer using a TCP/IP address or hostname”**, click **NEXT**. Fill in IP address of your print server (refer to chapter 4.3.3), click **NEXT**. Wait for “Detecting TCP/IP port”, Click **“Customs’ Setting”**, fill in port number **9101 or 9100** (it depend on which Print Server USB port is connecting with Printer, refer to chapter 4.3.3), then click **OK**, Click **Next**.

① Add Printer

Find a printer by other options

☐ My printer is a little older. Help me find it.

☐ Select a shared printer by name

Browse...

Example: \\computername\printername or
http://computername/printers/printername/printer

☒ Add a printer using a TCP/IP address or hostname

☐ Add a Bluetooth, wireless or network discoverable printer

☐ Add a local printer or network printer with manual settings

Next Cancel

② Add Printer

Type a printer hostname or IP address

Device type: Autodetect

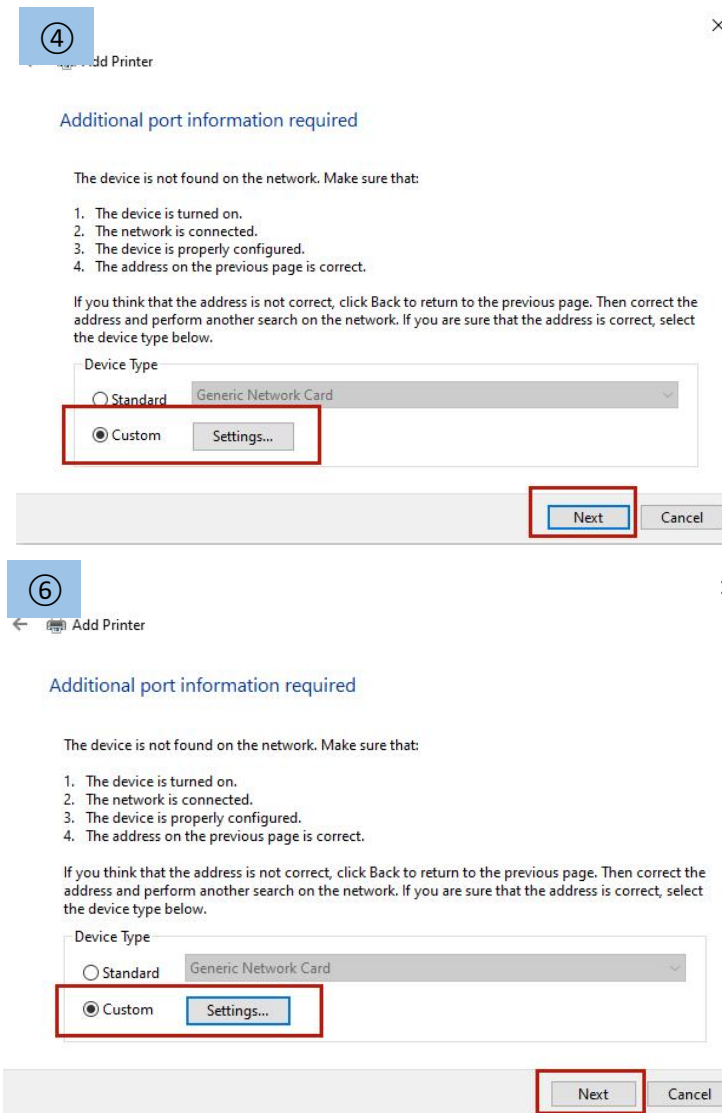
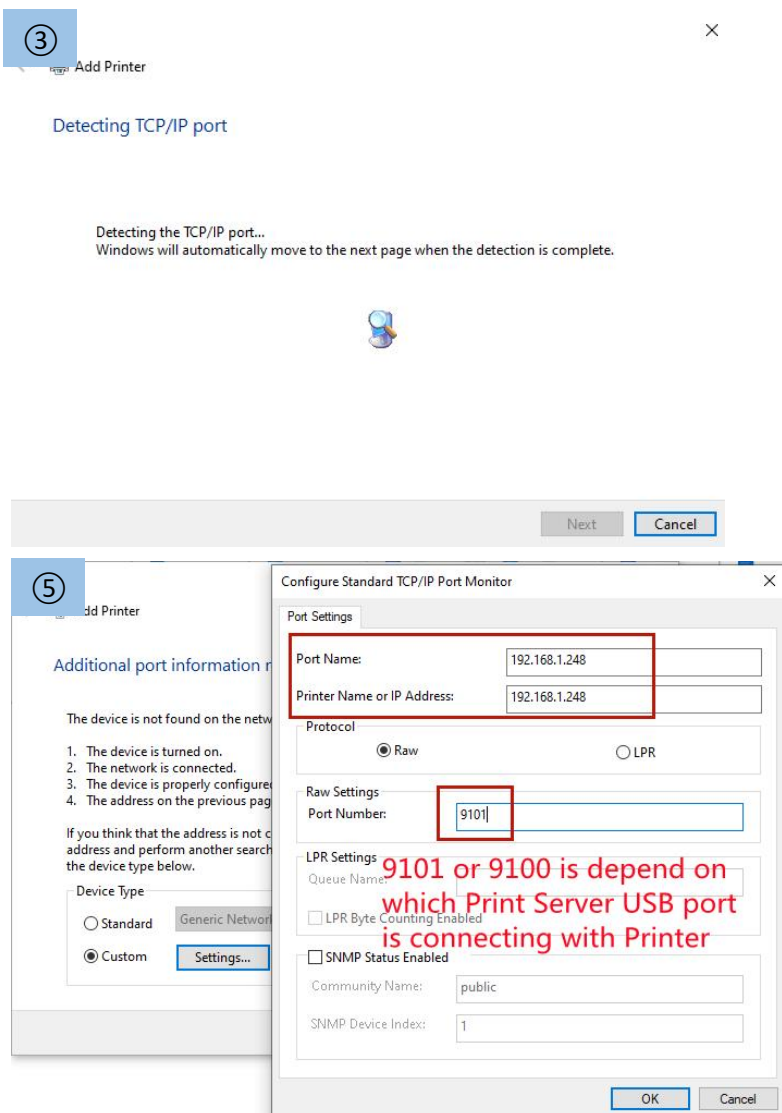
Hostname or IP address: 192.168.1.248

Port name: 192.168.1.248

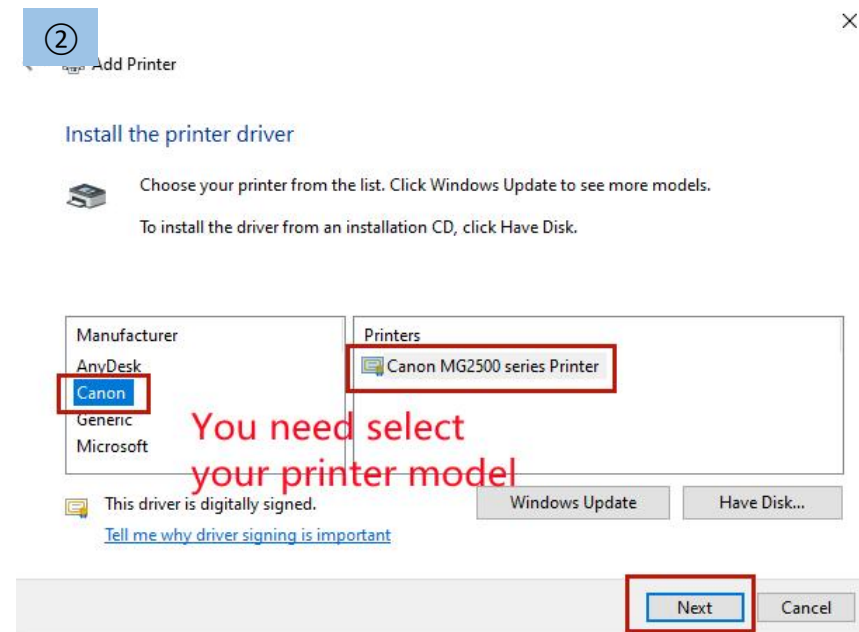
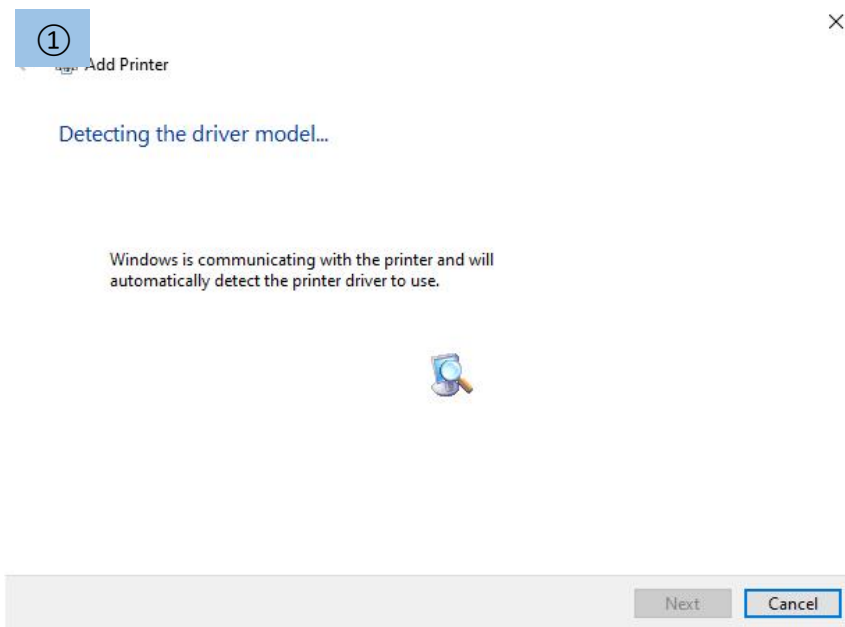
☒ Query the printer and automatically select the driver to use

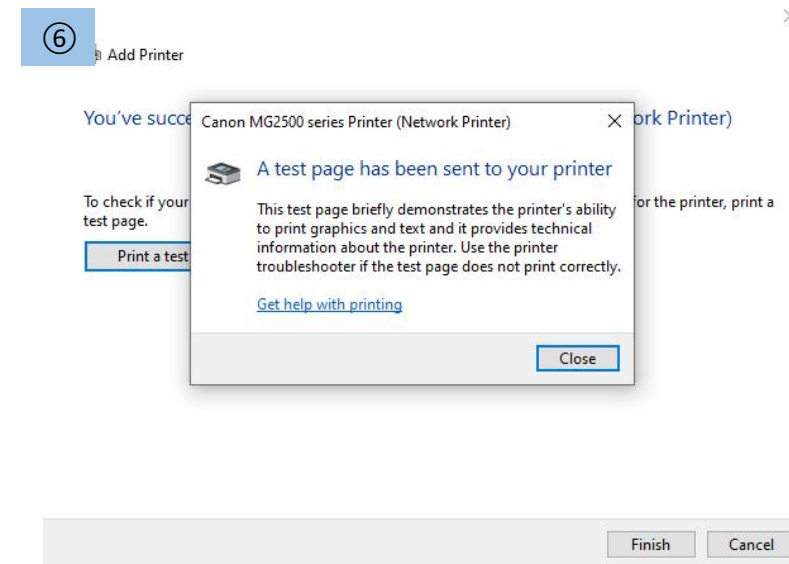
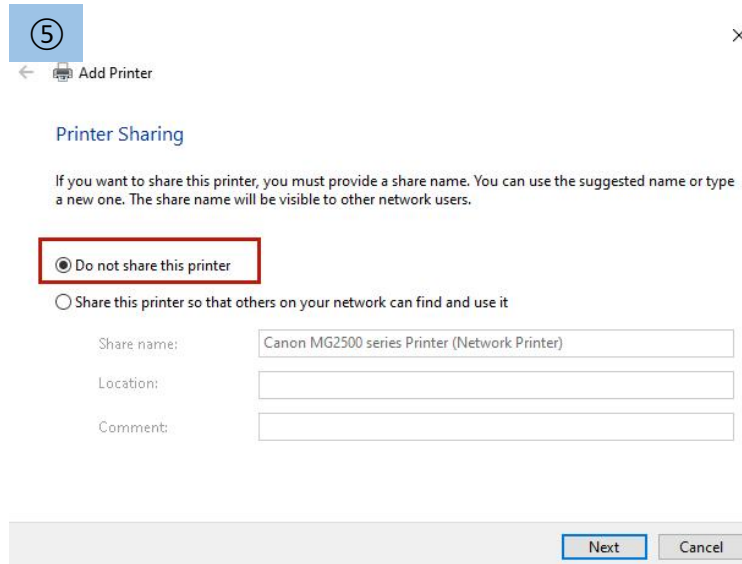
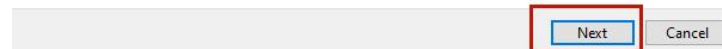
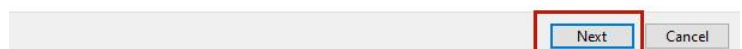
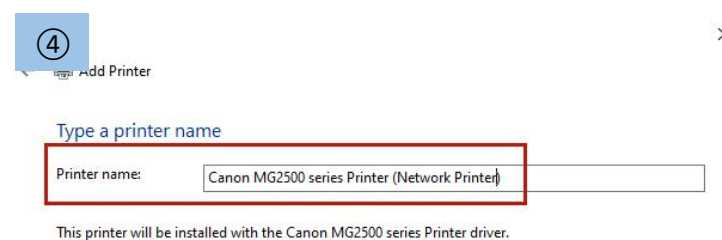
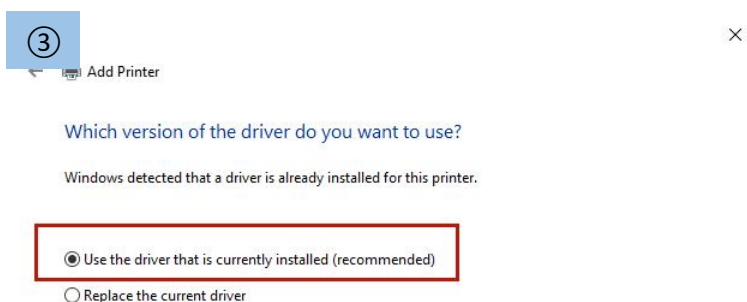
Fill in Print Server's WAN IP
which get from your network,
xxx.xxx.xxx.248 or other

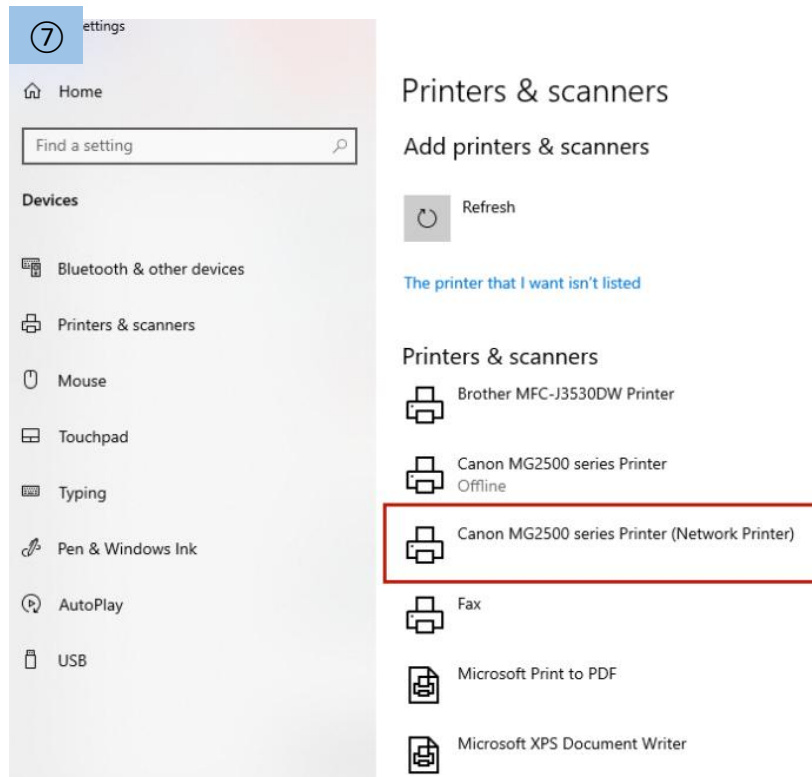
Next Cancel



C) Wait for “Detecting TCP/IP port” again. Select your printer model, click **Next**. Select **“Use the driver that is currently installed (recommended)”**, Set a name for this networked printer, Select **“not to share this printer”**, then send the print test and check if it is success to add printer in “Printer & Scanner list”.







D) The computer add networked printer is finished. You had better set this networked printer as the “default” printer and select the correct printer name when you send a print job.

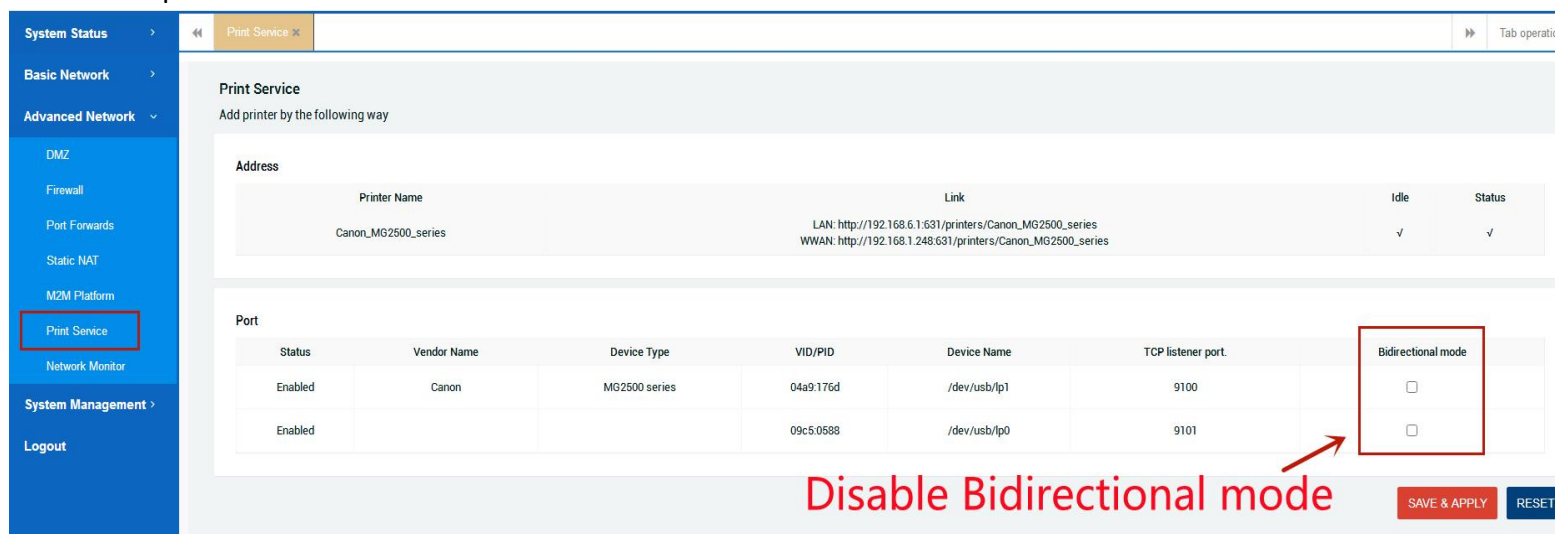
Every computer within the same network follows this “add printer” process to configure and shares the print service.

****Turn off “Bidirectional Mode” when your printer has non-stop printing or other issue****

This device is not bi-directional, some printer models using “TCP/IP Port” to add networked printer in the computer may throw errors that it cannot detect ink levels or it printing without stop (ex.PH1005/1020), then you need to turn off the “bidirectional mode” following below steps:

A) Disable “**Bidirectional Mode**” in print server

Login Print Server, Select **Advanced Network > Print Service > Bidirectional mode > “disable”**, Click **SAVE & APPLY**. Power off and power on to **Restart** the print server.



Print Service

Add printer by the following way

Printer Name	Link	Idle	Status
Canon_MG2500_series	LAN: http://192.168.6.1:631/printers/Canon_MG2500_series WWAN: http://192.168.1.248:631/printers/Canon_MG2500_series	✓	✓

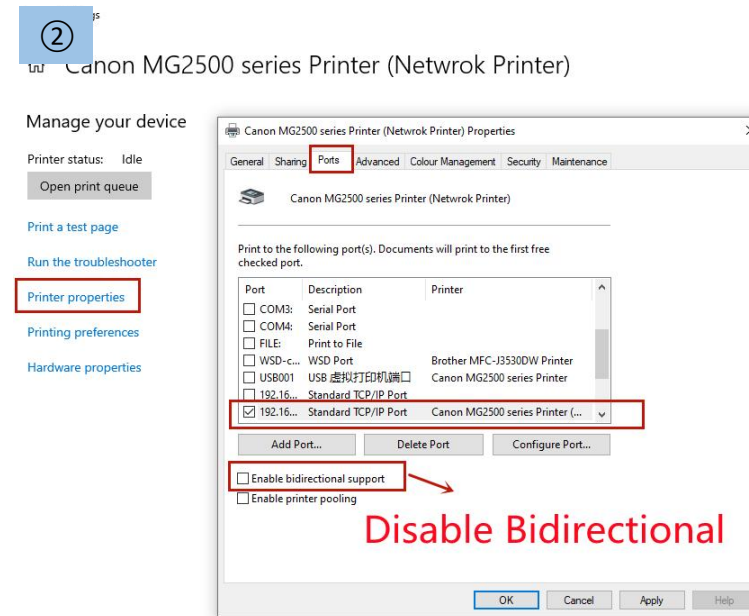
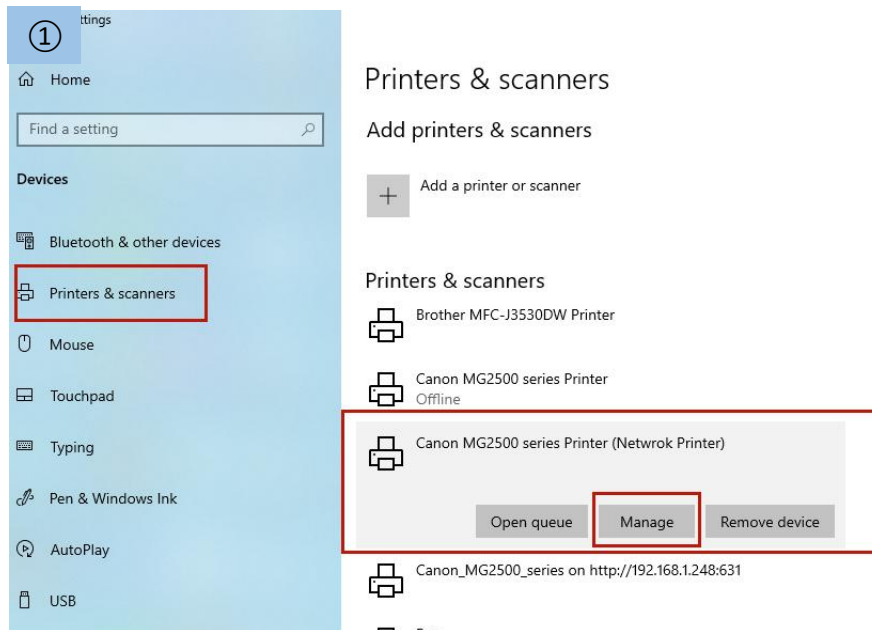
Status	Vendor Name	Device Type	VID/PID	Device Name	TCP listener port	Bidirectional mode
Enabled	Canon	MG2500 series	04a9:176d	/dev/usb/lp1	9100	☒
Enabled			09c5:0588	/dev/usb/lp0	9101	☐

Disable Bidirectional mode

SAVE & APPLY RESET

B) Disable “**Bidirectional Support**” in computer’s printer setting

Click computer **Start > Setting > Devices > Printers & Scanners**, Select your printer name **Manage > Printer properties > Ports > Disable “Enable bidirectional support”**, Click **OK** to confirm.

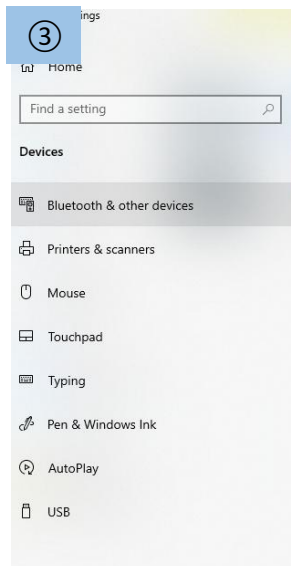
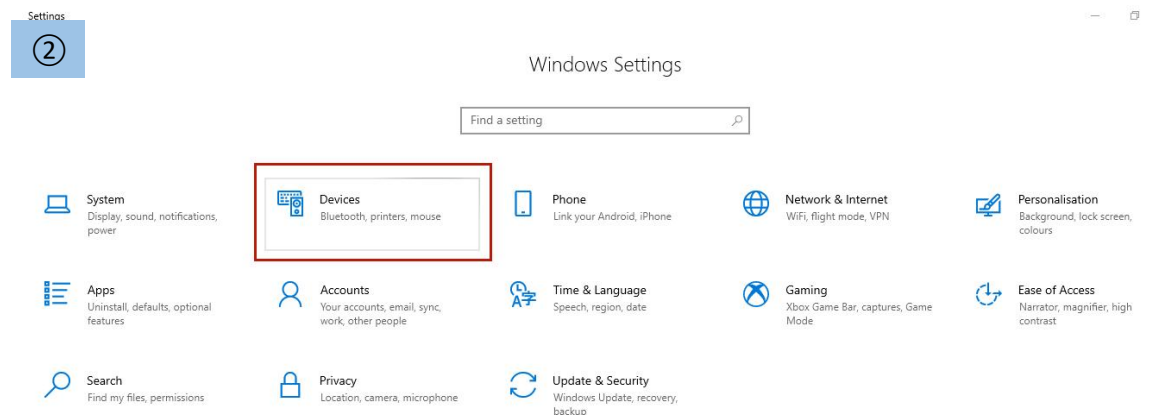
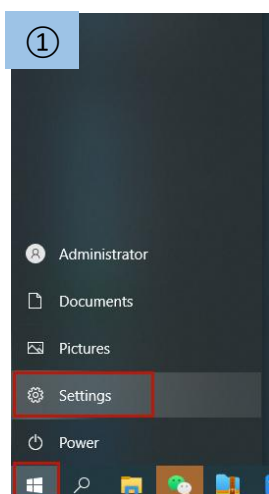


2) Use “**Printer HTTP Link**” to add printer (**Not recommended, unless “TCP/IP Port” fails to support your printer**)

When your computer can not add printer by “TCP/IP Port”, or it fails to print after add printer by “TCP/IP Port”, or it can not keep reliable printing, please use “Printer HTTP Link” to add printer to the computer as steps:

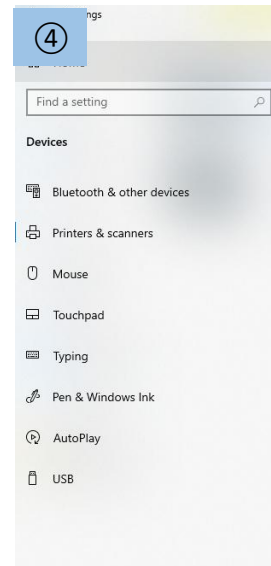
A) Click computer **Start > Setting > Devices > Add a printer or scanner > Click “The printer i want isn’t listed”**

Note: Windows 7/XP... need to select “**Add a network, wireless or Bluetooth printer**” before choose “**The printer I want isn’t listed**”.



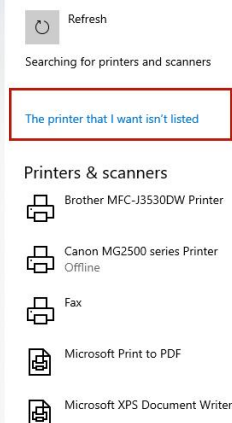
Printers & scanners

Add printers & scanners

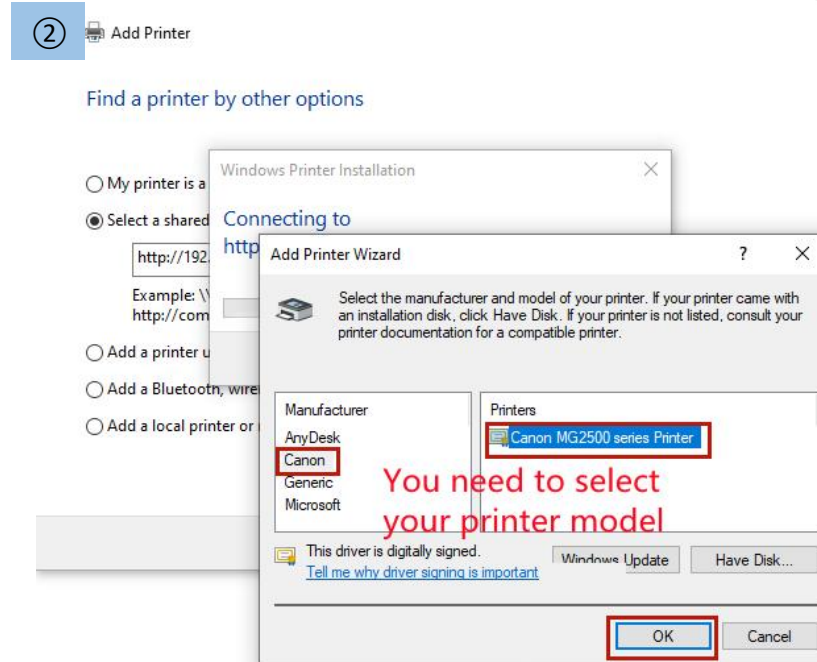
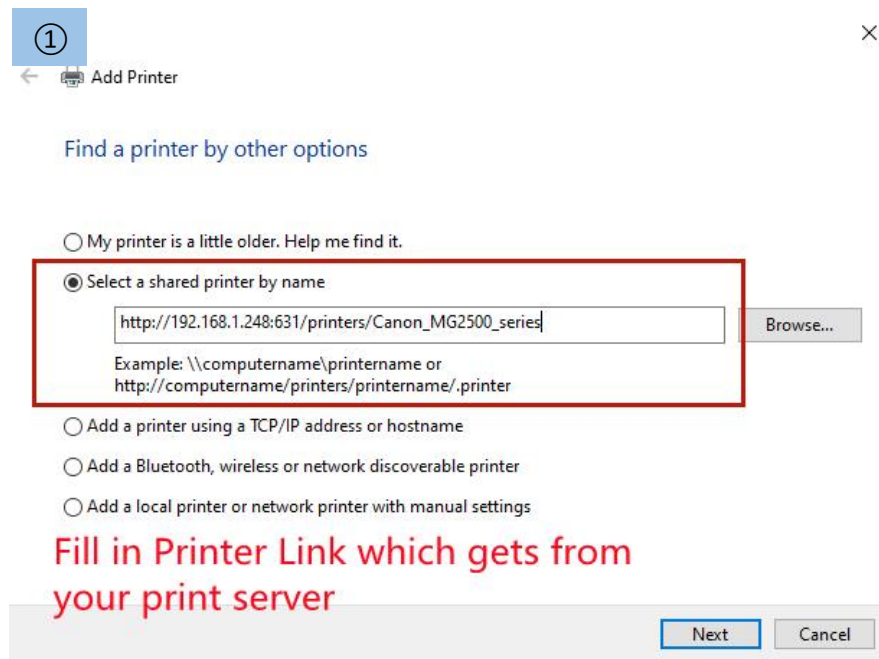


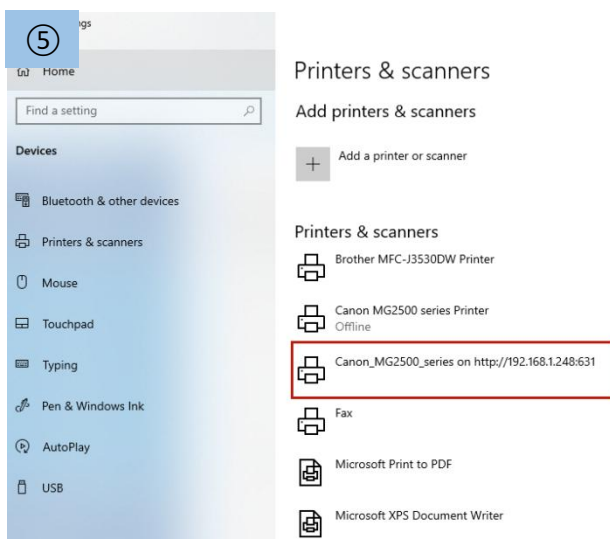
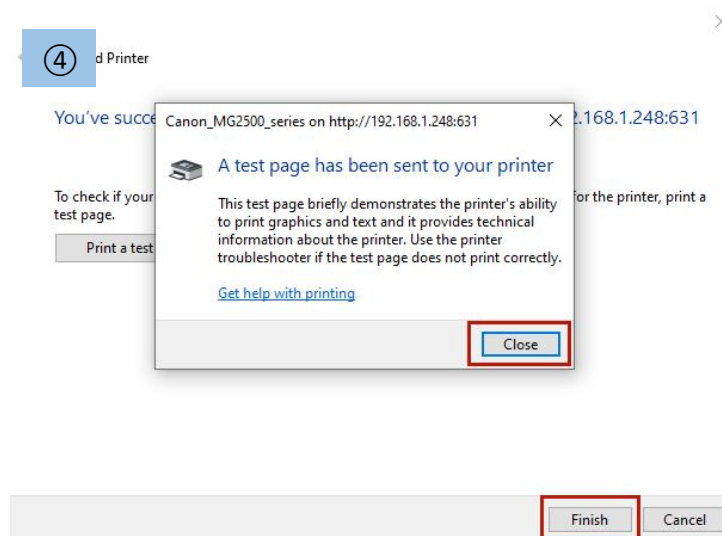
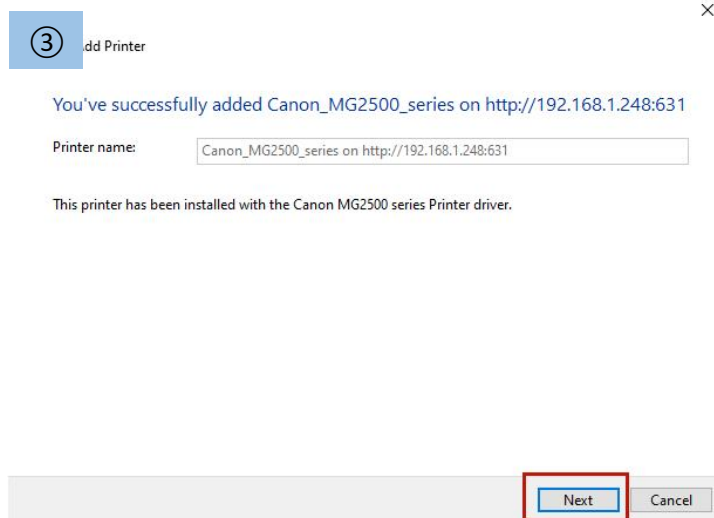
Printers & scanners

Add printers & scanners



B) “Select a shared printer by name”, paste HTTP Link (refer to chapter 4.3.3 to get your printer HTTP Link), click **NEXT**. Select your printer model, click **OK**. Networked printer name is default, it can not be changed. Send the print test and check in “Printer & Scanner” list if it is successful to add printer.





C) The computer add networked printer is finished. You had better set this networked printer as the “default” printer and select the correct printer name when you send a print job.

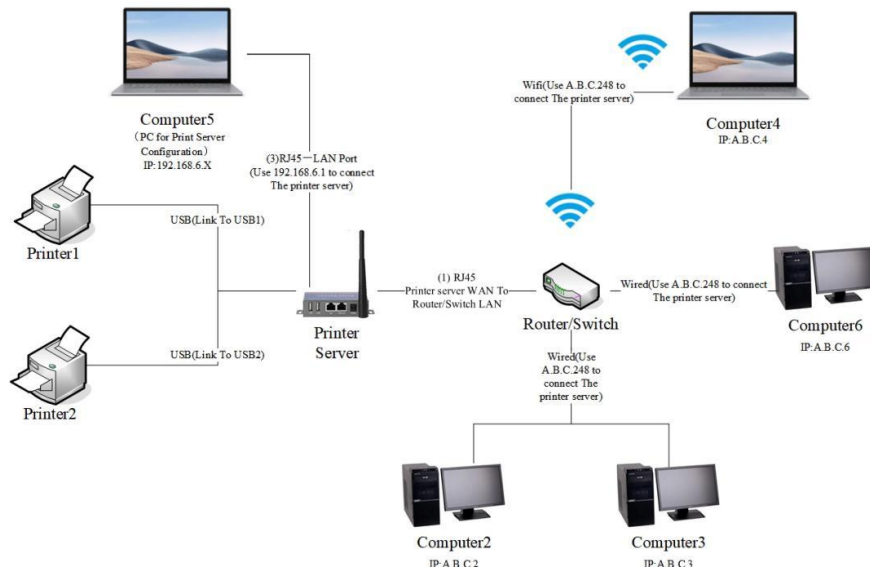
Every computer within the same network follows this “add printer” process to configure and shares the print service.

5. Wired Ethernet Mode Print Server Installation - Windows

This Print Server can replace your printer host and helps you share USB printers with multiple computers on the local network, it required four networking and computer system settings: **Hardware Installation, Computer Environment Preparation, Set Up Print Server, Computer “add printer” Configuration.**

5.1 Hardware Installation

- Connect the Print Server to a Printer: Connect a USB cable to the **USB** port of the server and your printer.
- Connect the Print Server to a Computer: Connect an Ethernet cable to the **print server's LAN port** (NOT “WAN/LAN” Port), and connect the other end of the cable to the computer.
- Connect the Print Server to the local network router: Connect an Ethernet cable to the **“WAN” port of the server**, and connect the other end of the cable to the **LAN port of your home/office's router.**
- Connect with included power adapter to power on the server.



5.2 Computer Environment Preparation

To avoid IP conflict and successfully set up a print server, please prepare the computer environment as below steps:

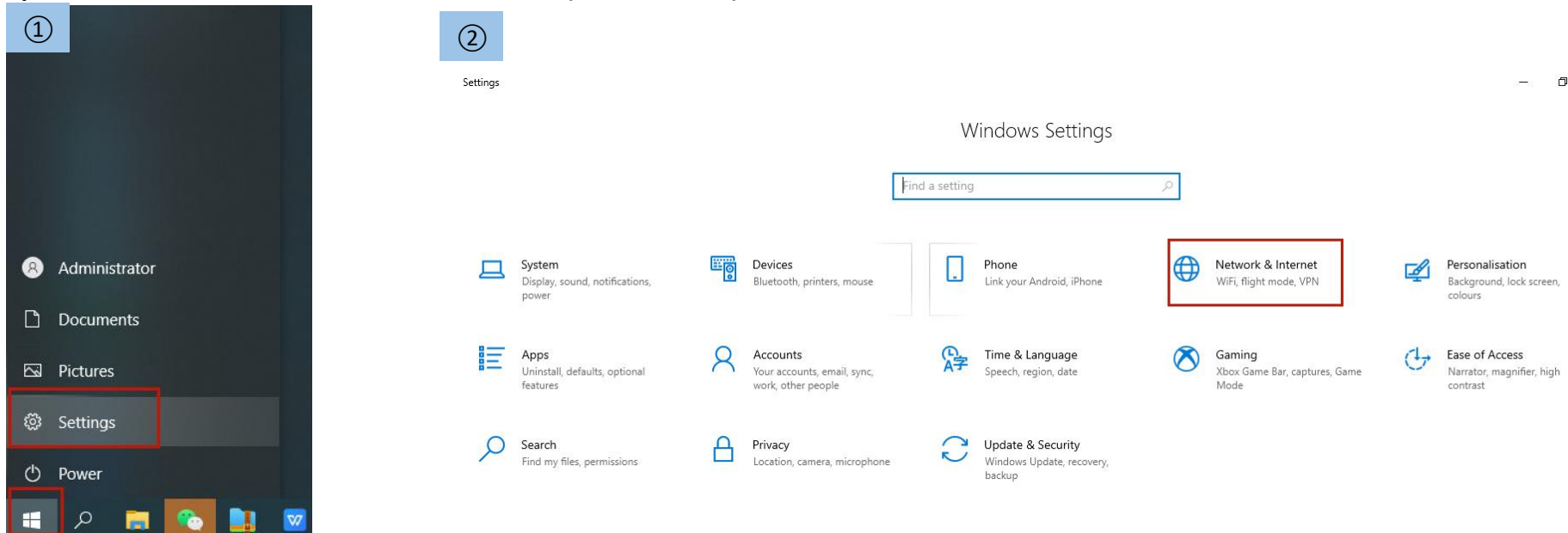
5.2.1 Print Server's **LAN** port connects with the configuration computer via Ethernet cable; Print Server connects with the printer via **USB** cable.

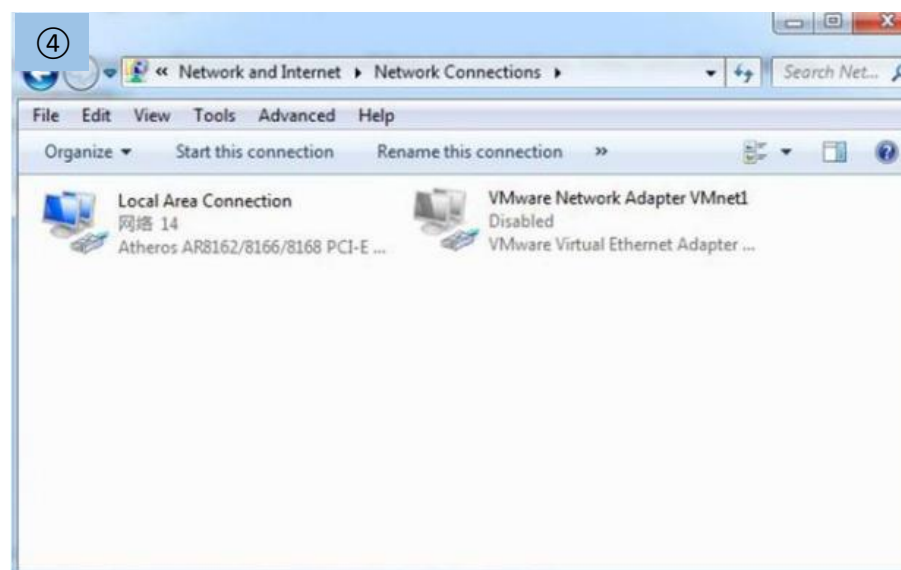
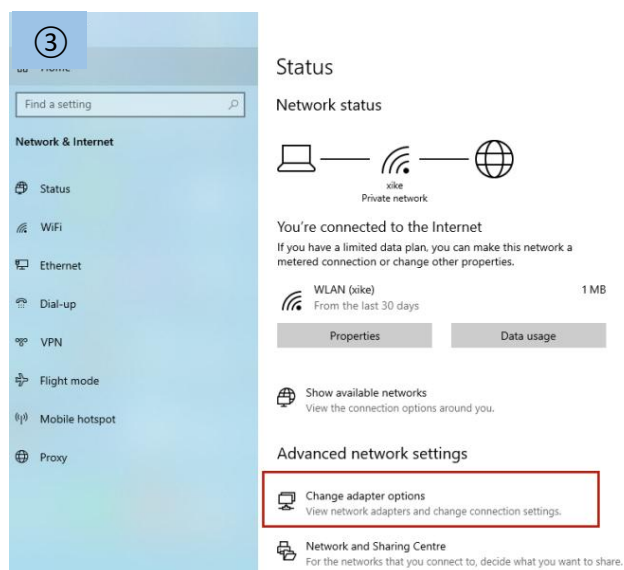
5.2.2 Make Sure the computer has already installed the **printer driver** software, you can directly connect the computer with the printer to install driver software automatically, or download driver software from the printer's website to manually install.

5.2.3 Configure the computer to **obtain an IP address automatically** from "Local Area Connection"(Ethernet card).

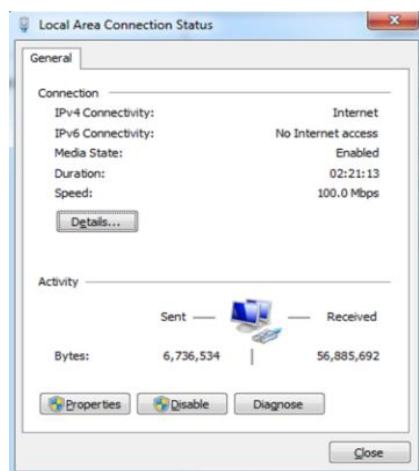
Take Win 10 for example, Mac system is the similar method:

1) **Disconnect the computer's WiFi connection.** Then Click **Start > Settings (Control panel)**, click **Networks & Internet**, click **Change adapter options**, then double-click **Local Area Connection (Ethernet Card)**.

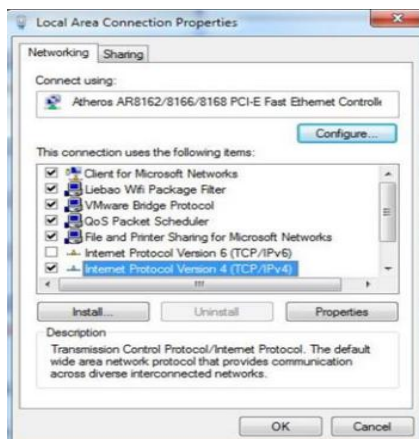




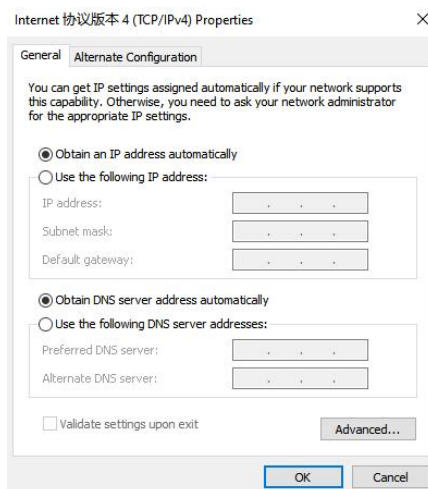
2) Click **Properties** in the window of **Local Area Connection (Ethernet Card) Status**.



3) Choose **Internet Protocol Version 4 (TCP/IPv4)** and click **Properties**.



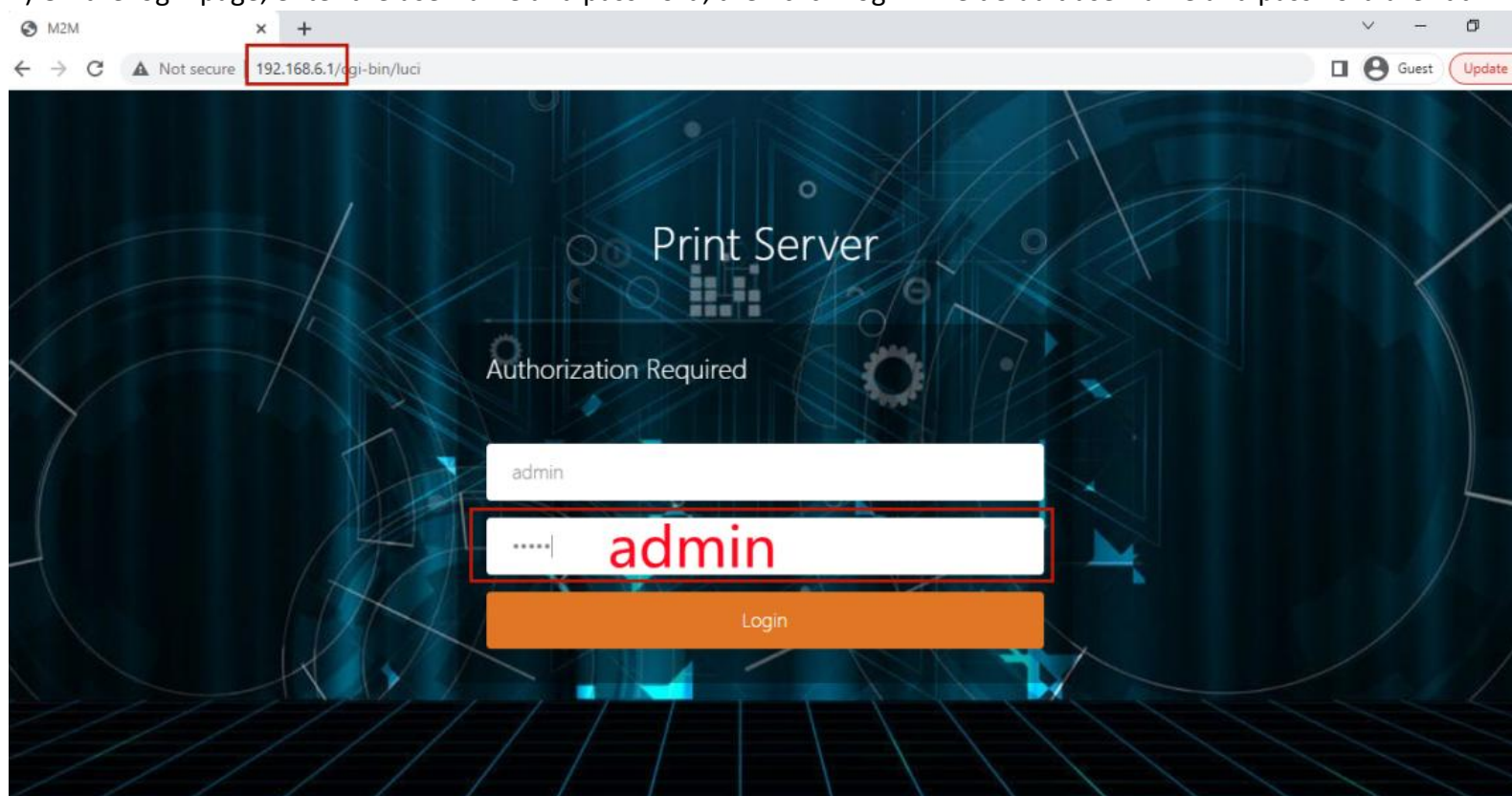
4) Select **“Obtain an IP address automatically”**, then Click **OK**. This Computer Environment is ready for the log-in print server system to make configuration.



5.3 Set Up Print Server

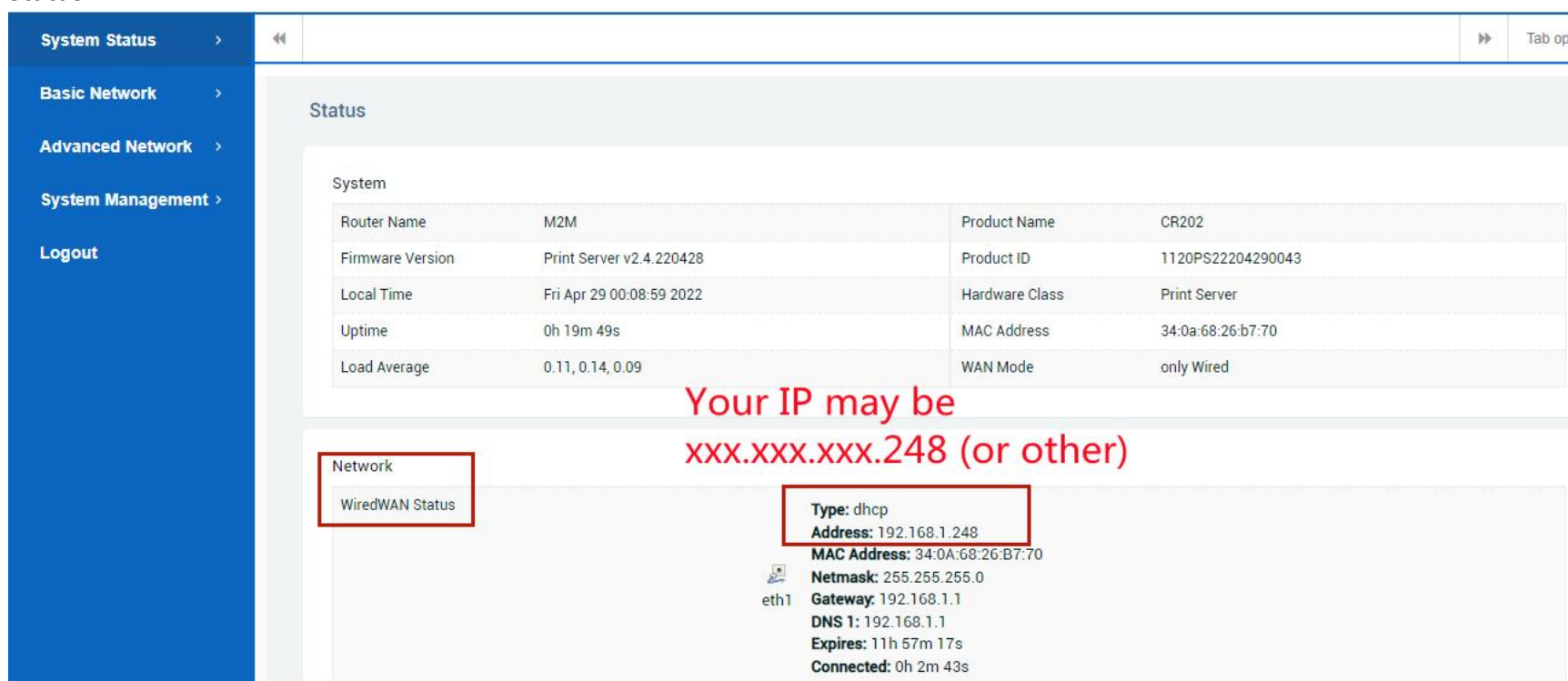
5.3.1 Log-in Print Server System

- 1) On your computer, open a web browser such as Safari, Google or Firefox etc. Type the LAN address of the server into the address bar and press enter. The default LAN address of the server is 192.168.6.1
- 2) On the login page, enter the username and password, then click Login. The default username and password are “**admin**”.



5.3.2 Set Print Server Connect to Wired Ethernet Network

- 1) Connect an Ethernet cable to the **LAN port of the office router**, and connect the other end of the cable to the **WAN port of the print server**, then power on the print server.
- 2) After wired connection to the office router, print server will use default DHCP Client mode to auto obtain an IP address as **xxx.xxx.xxx.248**, this IP address will be used in computer configure “add printer”, you can check it in the **System Status > Overview > Network > Wired WAN Status**.



The screenshot displays the Cheecent web interface. On the left is a blue sidebar with navigation links: System Status, Basic Network, Advanced Network, System Management, and Logout. The main content area is titled 'Status' and contains a 'System' table with the following data:

Router Name	M2M	Product Name	CR202
Firmware Version	Print Server v2.4.220428	Product ID	1120PS22204290043
Local Time	Fri Apr 29 00:08:59 2022	Hardware Class	Print Server
Uptime	0h 19m 49s	MAC Address	34:0a:68:26:b7:70
Load Average	0.11, 0.14, 0.09	WAN Mode	only Wired

Below the system information, there is a 'Network' section with a 'WiredWAN Status' tab. A red box highlights the 'WiredWAN Status' tab. To the right of this tab, another red box highlights the network configuration details for the 'eth1' interface:

- Type: dhcp
- Address: 192.168.1.248
- MAC Address: 34:0A:68:26:B7:70
- Netmask: 255.255.255.0
- Gateway: 192.168.1.1
- DNS 1: 192.168.1.1
- Expires: 11h 57m 17s
- Connected: 0h 2m 43s

Overlaid on the screenshot in red text is the instruction: "Your IP may be xxx.xxx.xxx.248 (or other)".

3) Static IP address.

If the print server's Wired Ethernet Network obtain IP address is not as of xxx.xxx.xxx.248?

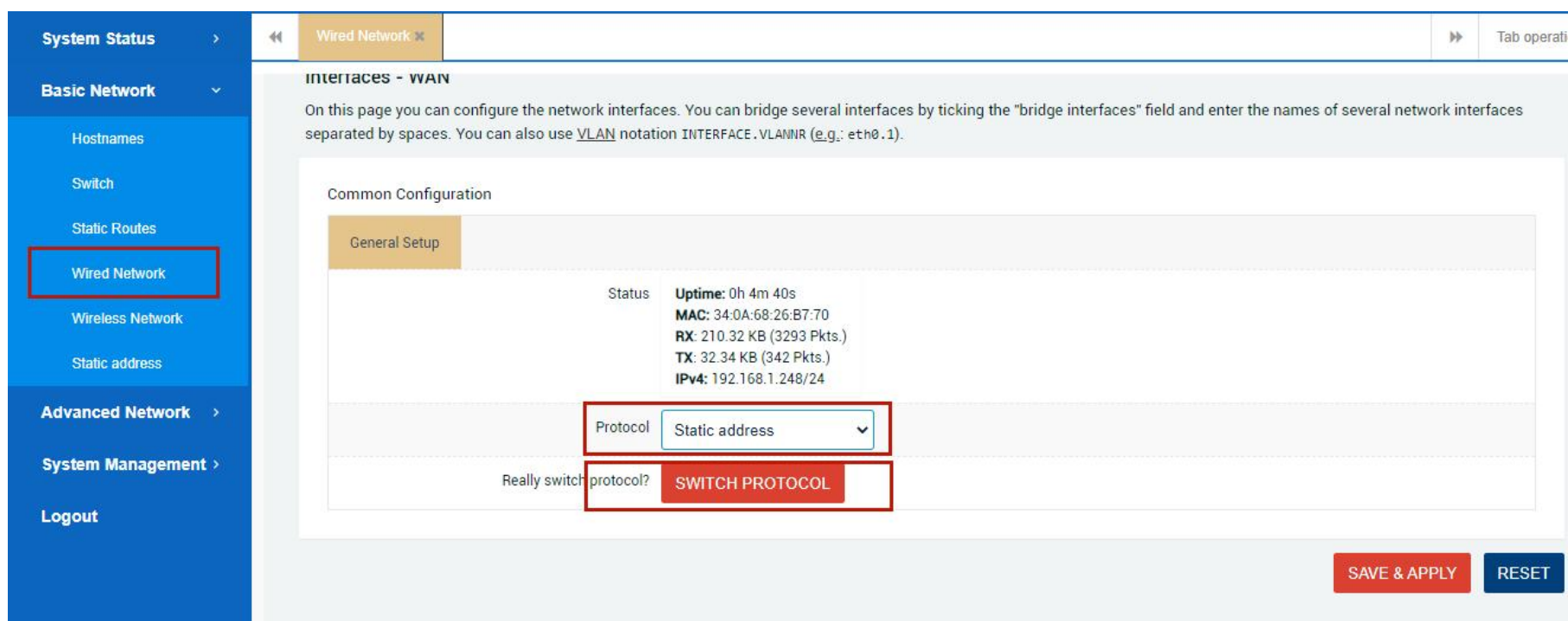
If xxx.xxx.xxx.248 IP address is already occupied by another device in the network?

If you need to set two or more print servers in the same local network (subnet)?

Then, you have to manually set a static IP address for this Print Server's Wired WAN port as follow steps:

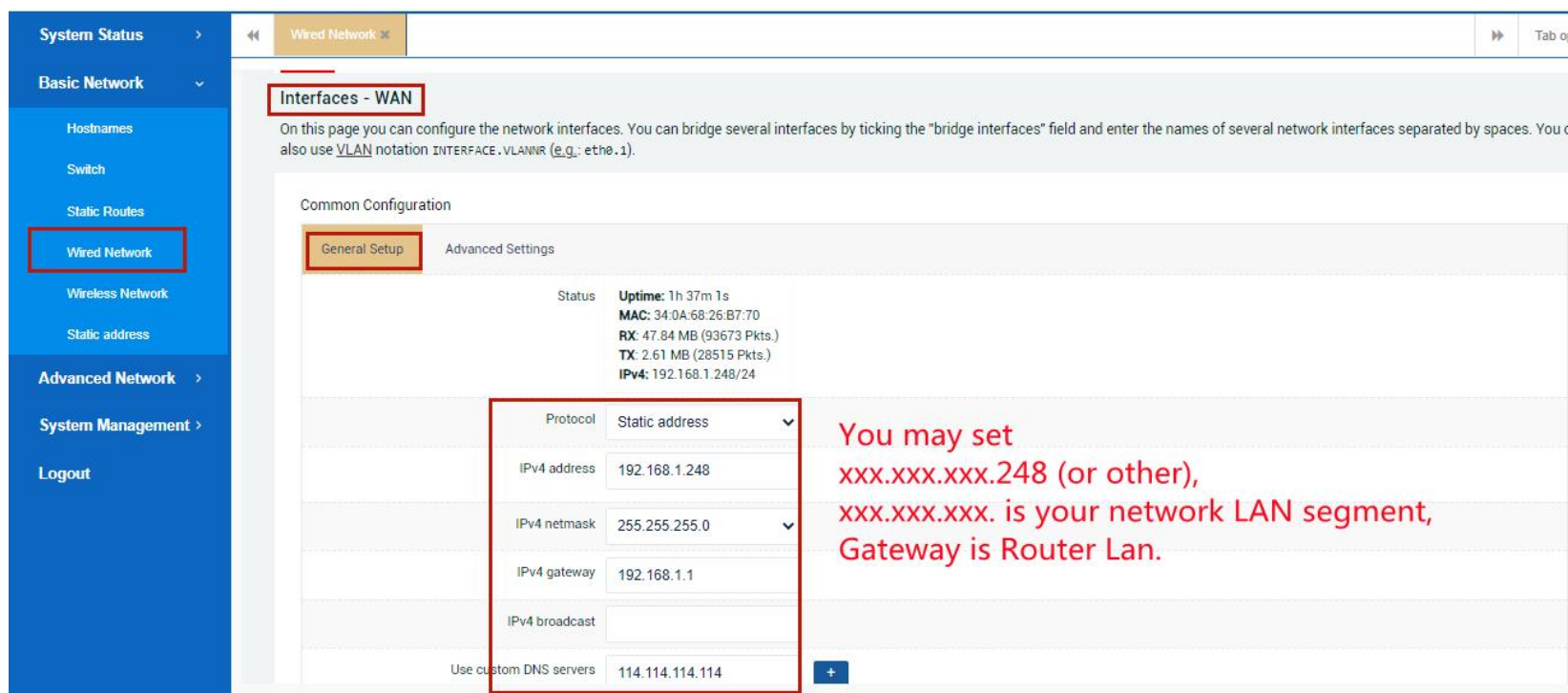
Note: This prevents the print server from getting a different IP address every restart, otherwise it will cause the computer can not use the original IP address added. When setting two or more print servers in the same network, it needs different static IP for each.

A) Click **Basic Network > Wired Network > WAN > General Setup > Protocol** select "Static address", click **SWITCH PROTOCOL** button.



The screenshot displays the Cheecent web interface for configuring network settings. On the left, a sidebar menu includes 'System Status', 'Basic Network', 'Advanced Network', 'System Management', and 'Logout'. Under 'Basic Network', 'Wired Network' is selected and highlighted with a red box. The main content area is titled 'Wired Network' and shows 'Interfaces - WAN'. A description states: 'On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use VLAN notation INTERFACE.VLANNR (e.g.: eth0.1)'. Below this, the 'Common Configuration' section has a 'General Setup' tab. In this tab, the 'Protocol' is set to 'Static address' (highlighted with a red box). Below the protocol dropdown, there is a red button labeled 'SWITCH PROTOCOL' (also highlighted with a red box). At the bottom right, there are 'SAVE & APPLY' and 'RESET' buttons. The status bar at the bottom of the configuration area shows: 'Status Uptime: 0h 4m 40s', 'MAC: 34:0A:68:26:B7:70', 'RX: 210.32 KB (3293 Pkts.)', 'TX: 32.34 KB (342 Pkts.)', and 'IPv4: 192.168.1.248/24'.

B) Set the IP address in the same network segment with the home/office router LAN and the last IP number is 248 or other, and set subnet/gateway/DNS address correspondingly (refer to your other networked devices), click **SAVE & APPLY** button.



Interfaces - WAN

On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use VLAN notation INTERFACE.VLANID (e.g.: eth0.1).

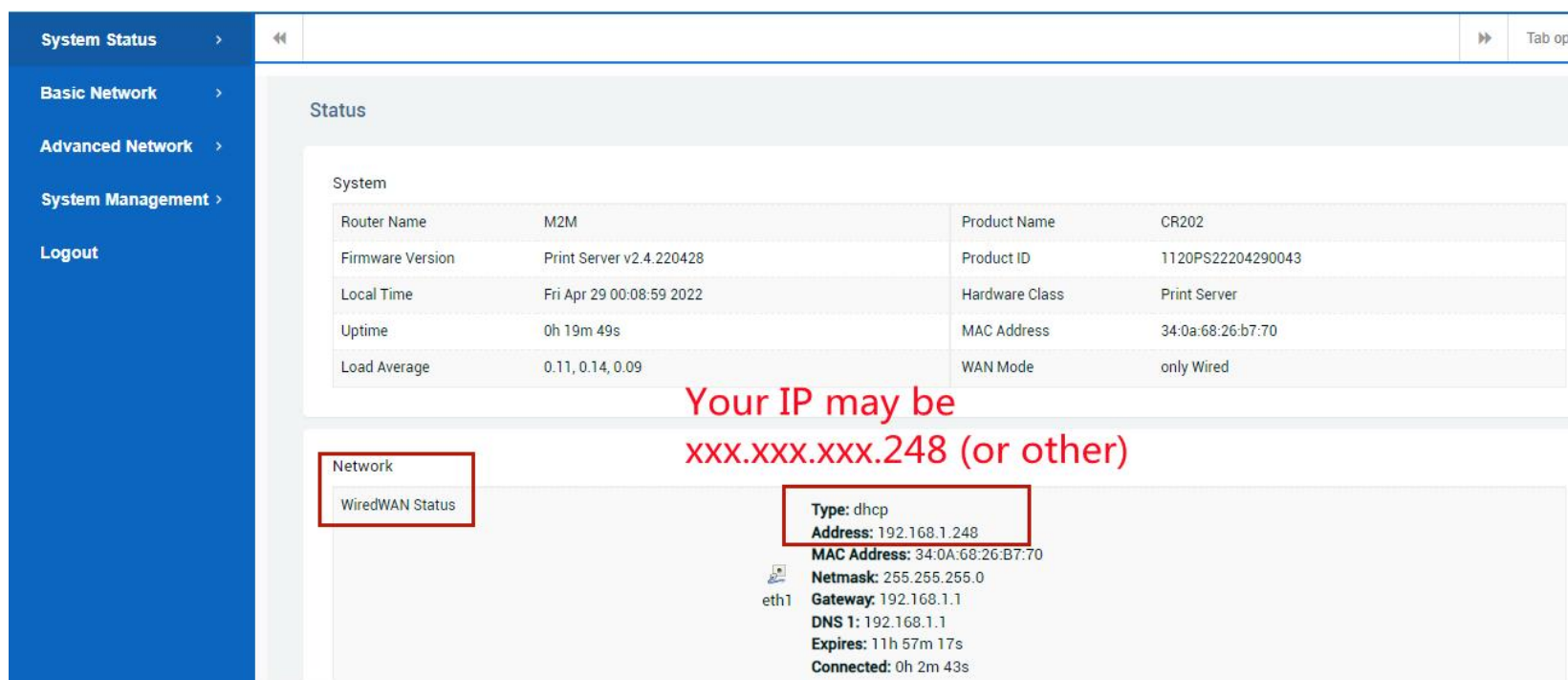
Common Configuration

General Setup Advanced Settings

Status	Uptime: 1h 37m 1s MAC: 34:0A:68:26:B7:70 RX: 47.84 MB (93673 Pkts.) TX: 2.61 MB (28515 Pkts.) IPv4: 192.168.1.248/24
Protocol	Static address
IPv4 address	192.168.1.248
IPv4 netmask	255.255.255.0
IPv4 gateway	192.168.1.1
IPv4 broadcast	
Use custom DNS servers	114.114.114.114

You may set xxx.xxx.xxx.248 (or other), xxx.xxx.xxx. is your network LAN segment, Gateway is Router Lan.

C) Double check it in the **System Status > Overview > Network > Wired WAN Status**.



System Status > Overview > Network > Wired WAN Status

Status

System

Router Name	M2M	Product Name	CR202
Firmware Version	Print Server v2.4.220428	Product ID	1120PS22204290043
Local Time	Fri Apr 29 00:08:59 2022	Hardware Class	Print Server
Uptime	0h 19m 49s	MAC Address	34:0a:68:b7:70
Load Average	0.11, 0.14, 0.09	WAN Mode	only Wired

Network

WiredWAN Status

Type: dhcp
Address: 192.168.1.248
MAC Address: 34:0A:68:26:B7:70
Netmask: 255.255.255.0
Gateway: 192.168.1.1
DNS 1: 192.168.1.1
Expires: 11h 57m 17s
Connected: 0h 2m 43s

eth1

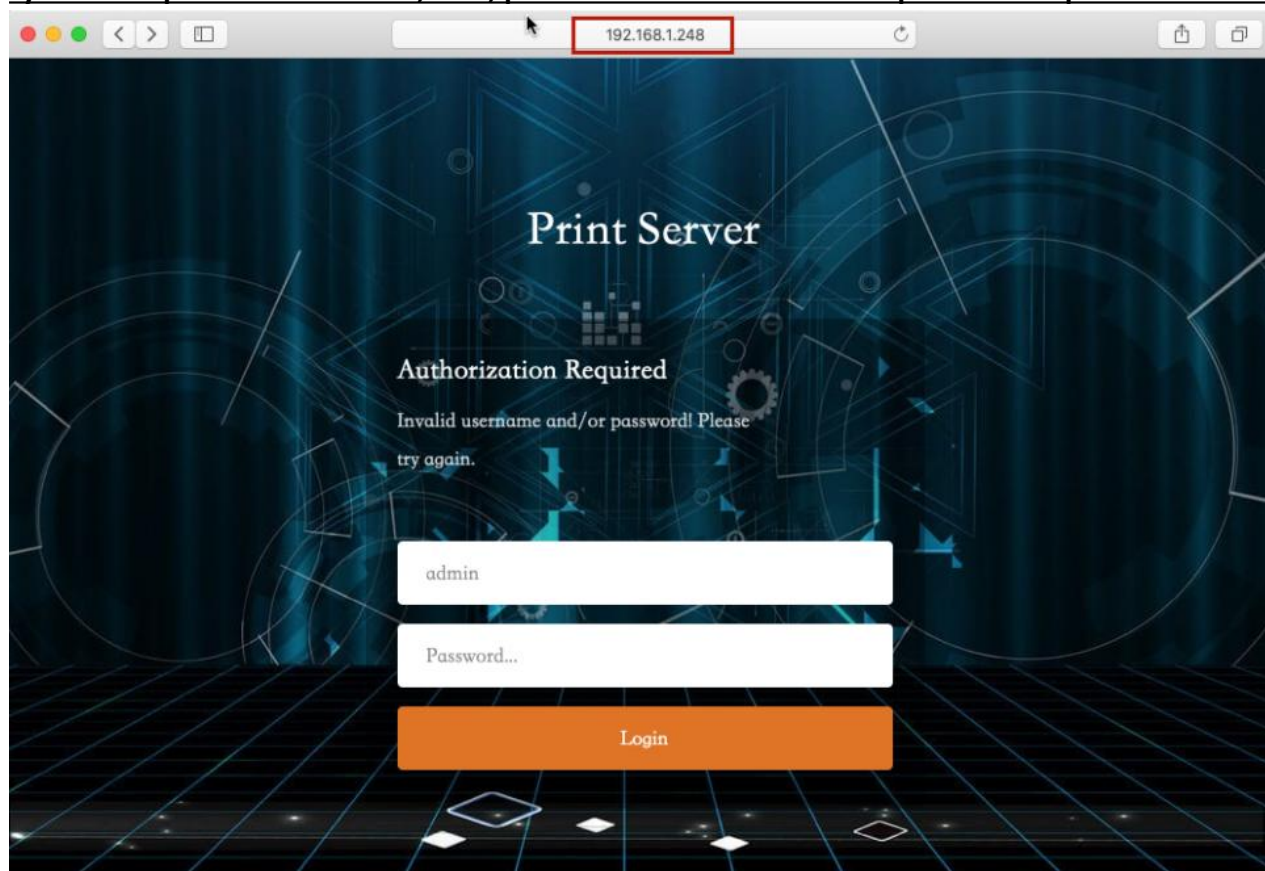
Your IP may be xxx.xxx.xxx.248 (or other)

4) The print Server setup is finished, and **the computer can be disconnected from the print server, and reconnected computer to the WiFi network.**

5.3.3 Get Printer Link and TCP/IP Port Information

Choose one of these ways to get **printer link** and **TCP/IP Port** information:

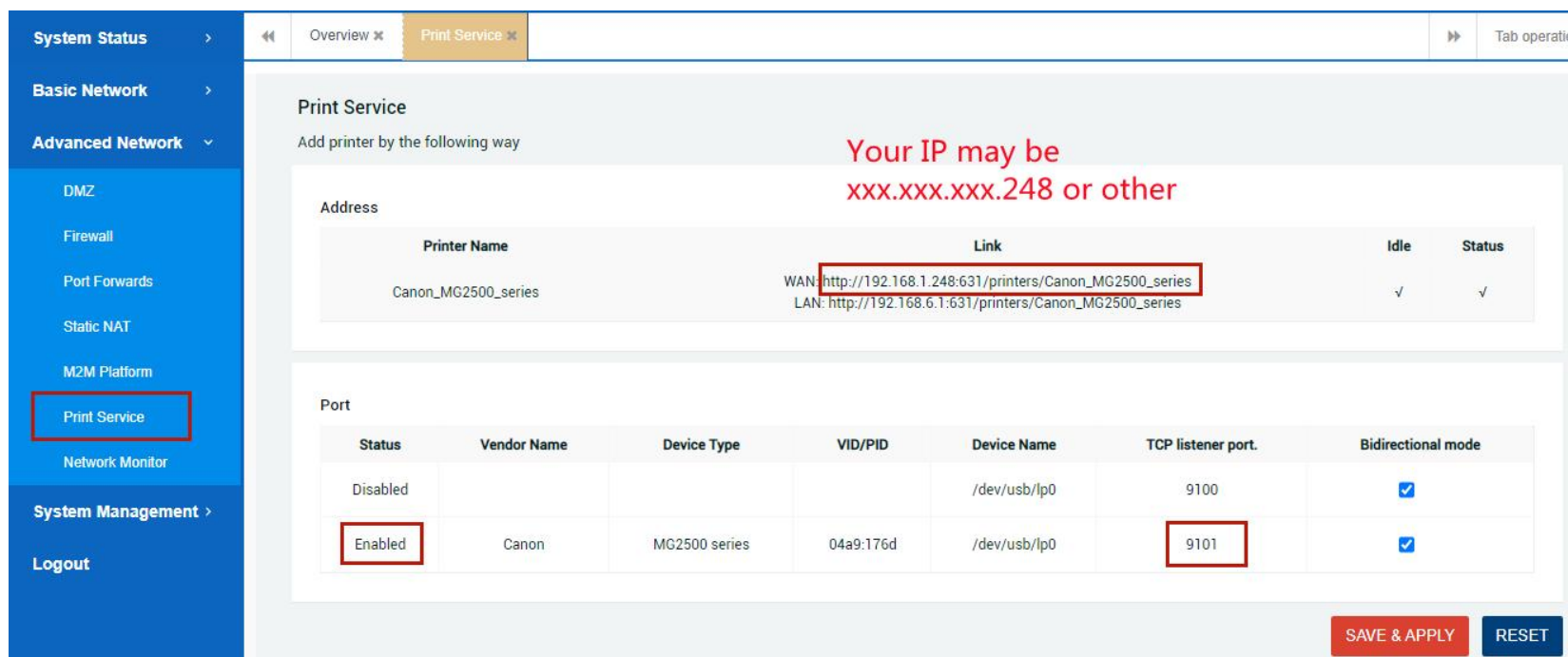
- 1) Keep the computer connected with the print server's LAN port and stay login the print server system.
- 2) Use any networked computer (within the same local network/subnet) to access the Print Server System, type in the printer server's IP xxx.xxx.xxx.248 (or static IP) in a web browser, the default login account/password is "admin". **(For security concern, the latest version system has prohibit this access, if so, please use cable connect computer to the print server's LAN port, type 192.168.6.1 in web browser)**



In the print server system:

Advanced Network > Print Service > WAN Link/WWAN Link and TCP Listener port to get printer link/port.

Note: If your computer has not install printer's driver yet, it can not identify the address print link and device type. So make sure your computer has already installed the printer driver software.



Print Service
Add printer by the following way

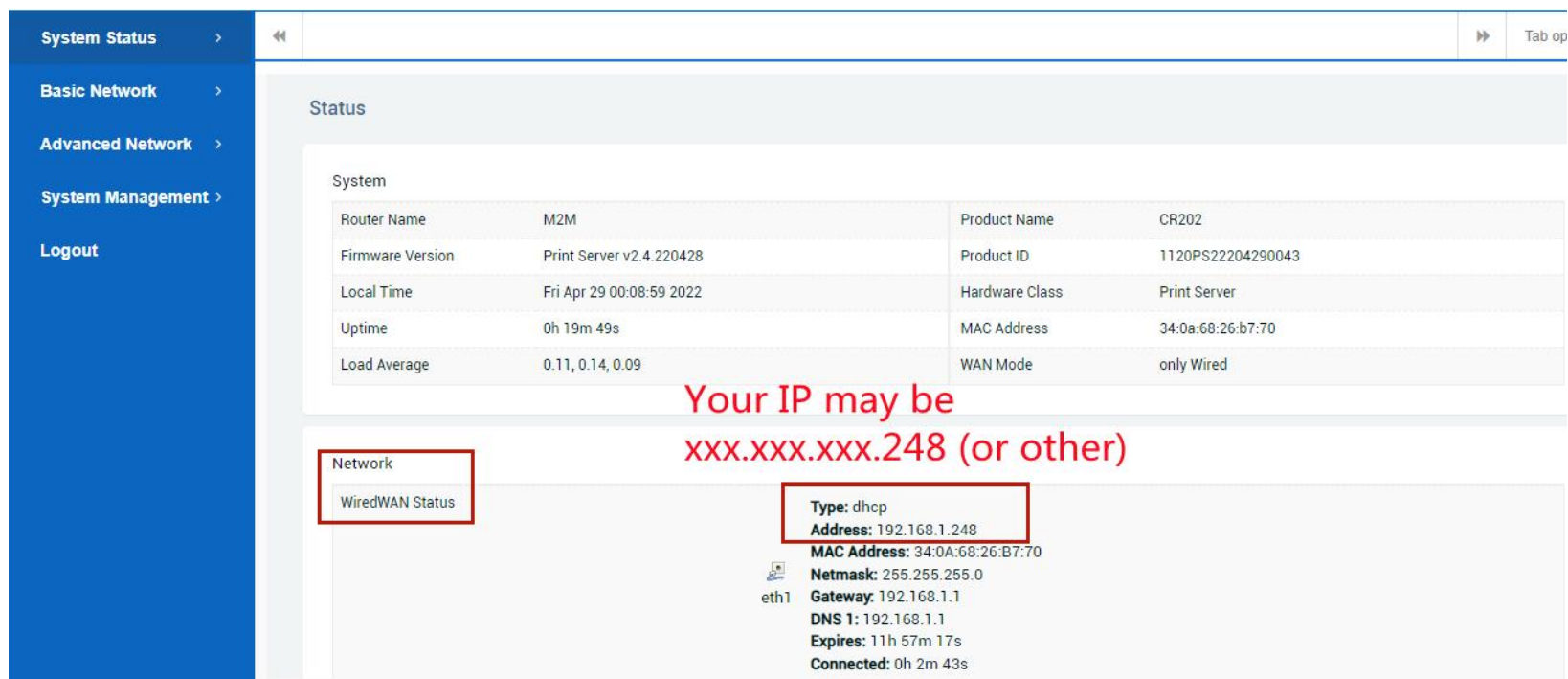
Your IP may be
xxx.xxx.xxx.248 or other

Printer Name	Link	Idle	Status
Canon_MG2500_series	WAN: http://192.168.1.248:631/printers/Canon_MG2500_series LAN: http://192.168.6.1:631/printers/Canon_MG2500_series	✓	✓

Status	Vendor Name	Device Type	VID/PID	Device Name	TCP listener port.	Bidirectional mode
Disabled				/dev/usb/lp0	9100	☒
Enabled	Canon	MG2500 series	04a9:176d	/dev/usb/lp0	9101	☒

SAVE & APPLY **RESET**

System Status > Overview > Network > WiredWAN Status to get Print Server IP at **xxx.xxx.xxx.248 or other**. (xxx.xxx.xxx is the same as of your local network segment)



The screenshot shows the Cheecent web interface. On the left is a blue sidebar with navigation links: System Status, Basic Network, Advanced Network, System Management, and Logout. The main content area is titled 'Status' and contains two sections: 'System' and 'Network'.

The 'System' section displays the following information:

Router Name	M2M	Product Name	CR202
Firmware Version	Print Server v2.4.220428	Product ID	1120PS22204290043
Local Time	Fri Apr 29 00:08:59 2022	Hardware Class	Print Server
Uptime	0h 19m 49s	MAC Address	34:0a:68:26:b7:70
Load Average	0.11, 0.14, 0.09	WAN Mode	only Wired

The 'Network' section is expanded, showing 'WiredWAN Status' for the 'eth1' interface. The IP configuration details are as follows:

Type	dhcp
Address	192.168.1.248
MAC Address	34:0A:68:26:B7:70
Netmask	255.255.255.0
Gateway	192.168.1.1
DNS 1	192.168.1.1
Expires	11h 57m 17s
Connected	0h 2m 43s

A red text overlay in the center of the screenshot reads: "Your IP may be xxx.xxx.xxx.248 (or other)".

5.4 Computer “add printer” Configuration - Windows

5.4.1 Preparation

Before add a networked printer to your computers, you need to make sure these things:

- 1) Each computer has already installed the **printer driver** software, you can directly connect the computer and printer to install driver software automatically, or download driver software from the printer’s website to manually install.
- 2) Directly connect the computer to the printer, to test if it can print successfully. If not, you need to re-install the driver software.
- 3) The Print Server had been set up to connect local Wired Ethernet network and use a USB cable to connect with the printer.
- 4) The Print Server and Computer are in **the same local network (LAN)**.

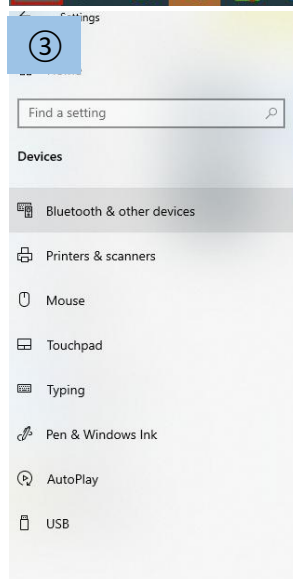
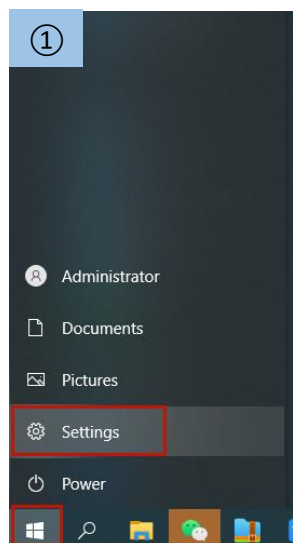
5.4.2 Add networked printer in Computer (Windows)

Here take Windows 10 for example, WiFi connection and Windows XP, Windows 7 are similar.

- 1) Use “**TCP/IP Port**” to add printer (**Recommended to Use This Way**)

A) Click windows’ **Start > Setting > Devices > Add a printer or scanner > Click “The printer I want isn’t listed”**

Note: Windows 7/XP... need to select “**Add a network, wireless or Bluetooth printer**” before choose “**The printer I want isn’t listed**”.

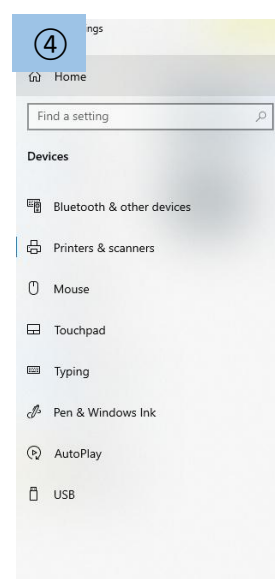


Printers & scanners

Add printers & scanners

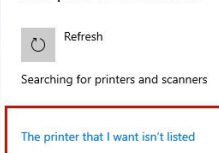


Printers & scanners

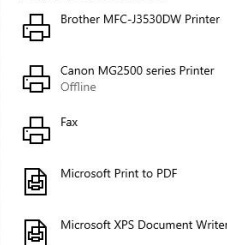


Printers & scanners

Add printers & scanners



Printers & scanners



B) Select “Add a printer using a TCP/IP address or hostname”, click **NEXT**. Fill in IP address of your print server (refer to chapter 5.3.3), click **NEXT**. Wait for “Detecting TCP/IP port port”, Click **Customs’ Setting**, fill in port number **9101 or 9100** (it depend on which Print Server USB port is connecting with Printer, refer to chapter 5.3.3), then click **OK**, Click **Next**.

① Add Printer

Find a printer by other options

☐ My printer is a little older. Help me find it.

☐ Select a shared printer by name

Example: \\computename\printername or
http://computename/printers/printername/printer

☒ Add a printer using a TCP/IP address or hostname

☐ Add a Bluetooth, wireless or network discoverable printer

☐ Add a local printer or network printer with manual settings

② Add Printer

Type a printer hostname or IP address

Device type: Autodetect

Hostname or IP address: 192.168.1.248

Port name: 192.168.1.248

☒ Query the printer and automatically select the driver to use

**Fill in Print Server's WAN IP
which get from your network,
xxx.xxx.xxx.248 or other**

③ Add Printer

Detecting TCP/IP port

Detecting the TCP/IP port...
Windows will automatically move to the next page when the detection is complete.



Next Cancel

⑤ Add Printer

Additional port information required

The device is not found on the network. Make sure that:

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.

If you think that 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 that the address is correct, select the device type below.

Device Type

☐ Standard Generic Network Card

☒ Custom Settings...

Configure Standard TCP/IP Port Monitor

Port Settings

Port Name: 192.168.1.248

Printer Name or IP Address: 192.168.1.248

Protocol

☒ Raw ☐ LPR

Raw Settings

Port Number: 9101

LPR Settings

Queue Name:

☐ LPR Byte Counting Enabled

☐ SNMP Status Enabled

Community Name: public

SNMP Device Index: 1

OK Cancel

9101 or 9100 is depend on which Print Server USB port is connecting with Printer

④ Add Printer

Additional port information required

The device is not found on the network. Make sure that:

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.

If you think that 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 that the address is correct, select the device type below.

Device Type

☐ Standard Generic Network Card

☒ Custom Settings...

Next Cancel

⑥ Add Printer

Additional port information required

The device is not found on the network. Make sure that:

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.

If you think that 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 that the address is correct, select the device type below.

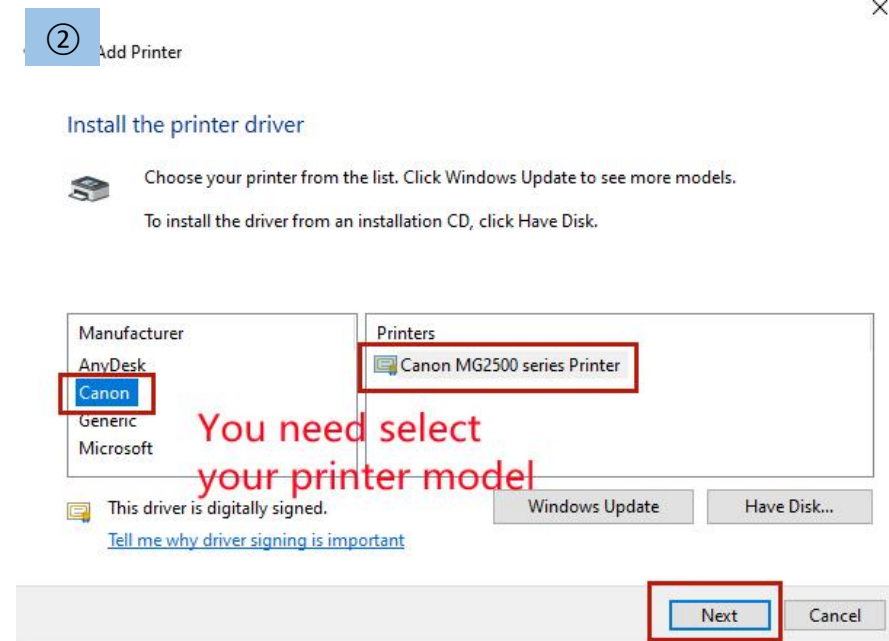
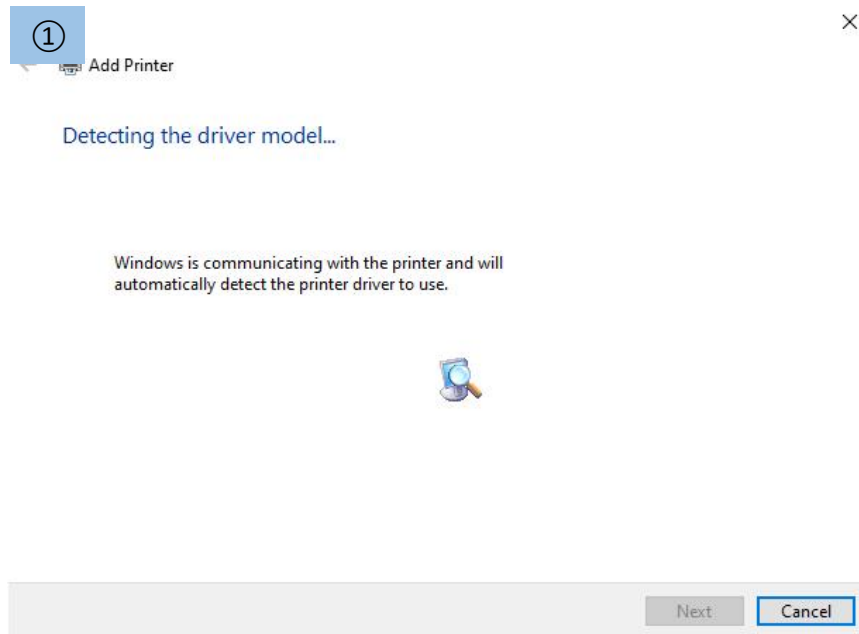
Device Type

☐ Standard Generic Network Card

☒ Custom Settings...

Next Cancel

C) Wait for “Detecting TCP/IP port” again. Select your printer model, click **Next**. Select **“Use the driver that is currently installed (recommended)”**, Set a name for this networked printer, Select **“not to share this printer”**, then send the print test and check if it is success to add printer in “Printer & Scanner list”.



③ Add Printer

Which version of the driver do you want to use?

Windows detected that a driver is already installed for this printer.

☒ Use the driver that is currently installed (recommended)

☐ Replace the current driver

④ Add Printer

Type a printer name

Printer name: Canon MG2500 series Printer (Network Printer)

This printer will be installed with the Canon MG2500 series Printer driver.

Next Cancel

Next Cancel

⑤ Add Printer

Printer Sharing

If you want to share this printer, you must provide a share name. You can use the suggested name or type a new one. The share name will be visible to other network users.

☒ Do not share this printer

☐ Share this printer so that others on your network can find and use it

Share name: Canon MG2500 series Printer (Network Printer)

Location:

Comment:

Next Cancel

⑥ Add Printer

You've successfully added the Canon MG2500 series Printer (Network Printer)

To check if your printer is working, print a test page.

Print a test page

Finish Cancel

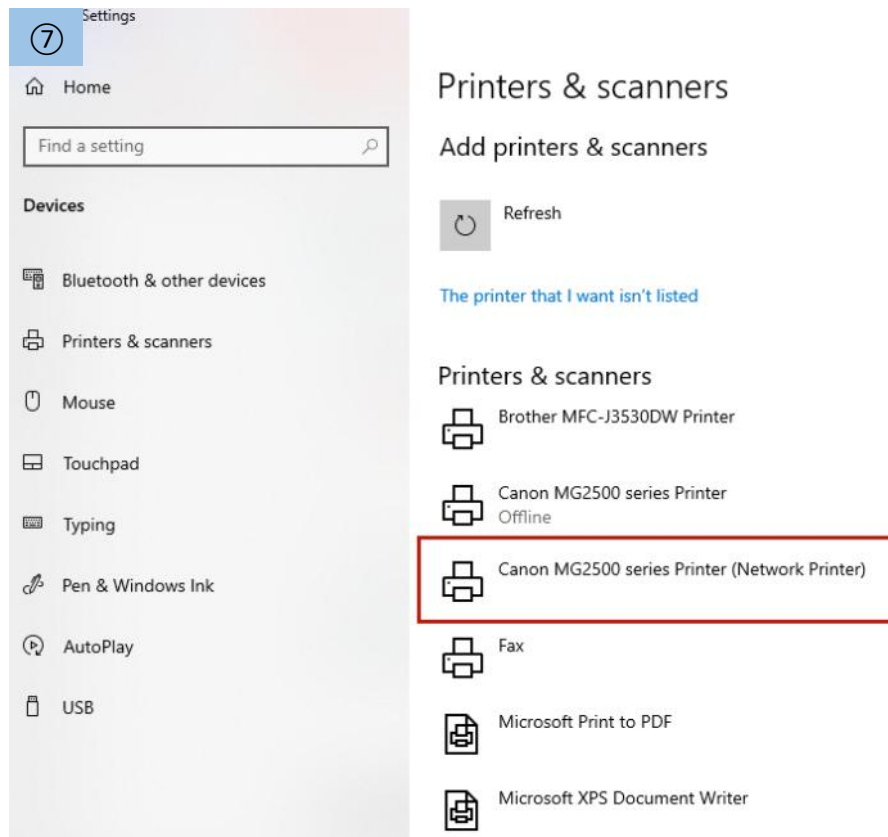
Canon MG2500 series Printer (Network Printer)

A test page has been sent to your printer

This test page briefly demonstrates the printer's ability to print graphics and text and it provides technical information about the printer. Use the printer troubleshooter if the test page does not print correctly.

[Get help with printing](#)

Close



D) The computer add networked printer is finished. You had better set this networked printer as the “**default**” printer and select the correct printer name when you send a print job.

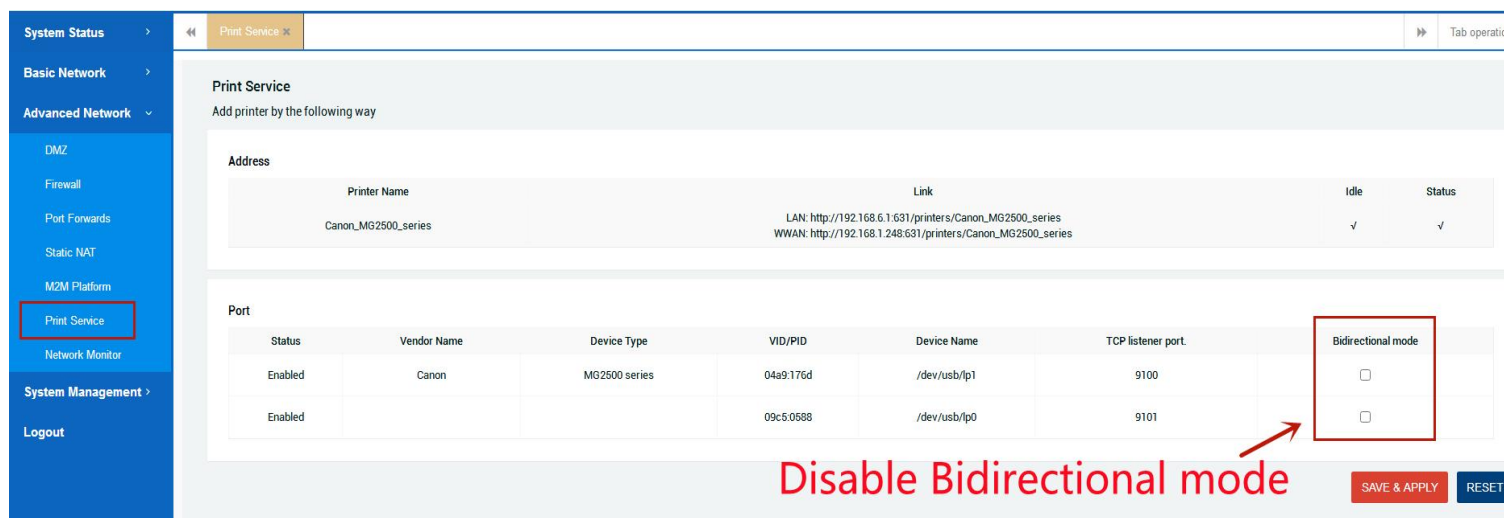
Every computer within the same network follows this “add printer” process to configure and shares the print service.

****Turn off “Bidirectional Mode” when your print has non-stop printing or other issue****

This device is not bi-directional, some printer models using “TCP/IP Port” to add networked printer in the computer may throw errors that it cannot detect ink levels or it printing without stop (ex.PH1005/1020), then you need to turn off the “**bidirectional mode**” following below steps:

A) Disable “**Bidirectional Mode**” in print server

Login Print Server, Select **Advanced Network > Print Service > Bidirectional mode** > “disable”, Click **SAVE & APPLY**. Power off and power on to **Restart** the print server.



Print Service

Add printer by the following way

Printer Name	Link	Idle	Status
Canon_MG2500_series	LAN: http://192.168.6.1:631/printers/Canon_MG2500_series WWAN: http://192.168.1.248:631/printers/Canon_MG2500_series	✓	✓

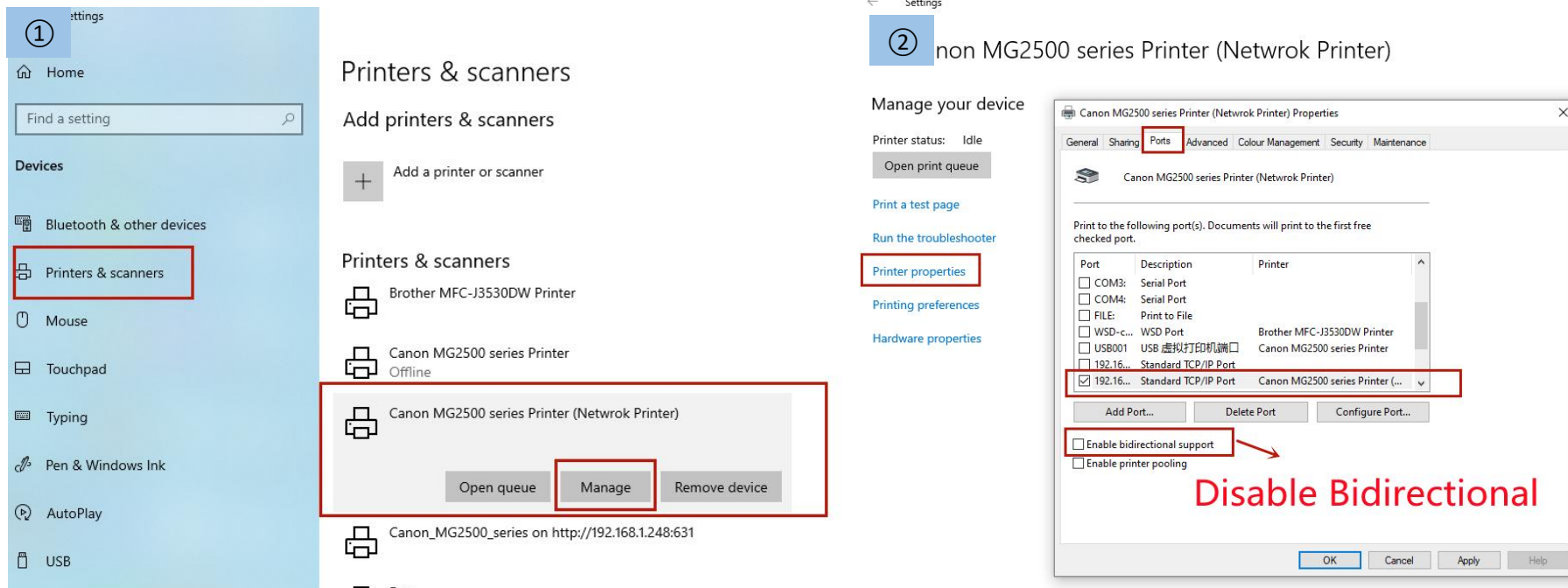
Status	Vendor Name	Device Type	VID/PID	Device Name	TCP listener port	Bidirectional mode
Enabled	Canon	MG2500 series	04a9:176d	/dev/usb/lp1	9100	☒
Enabled			09c5:0588	/dev/usb/lp0	9101	☒

Disable Bidirectional mode

SAVE & APPLY RESET

B) Disable “**Bidirectional Support**” in computer’s printer setting

Click computer **Start > Setting > Devices > Printers & Scanners**, Select your printer name **Manage > Printer properties > Ports > Disable “Enable bidirectional support”**, Click **OK** to confirm.

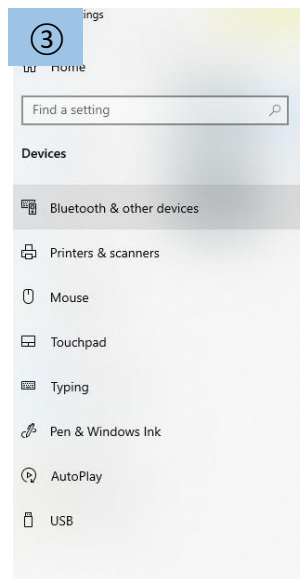
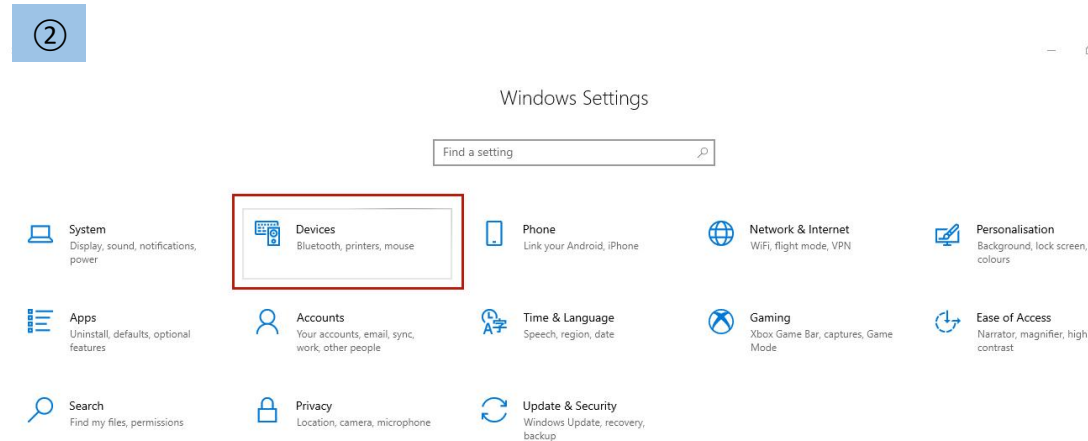
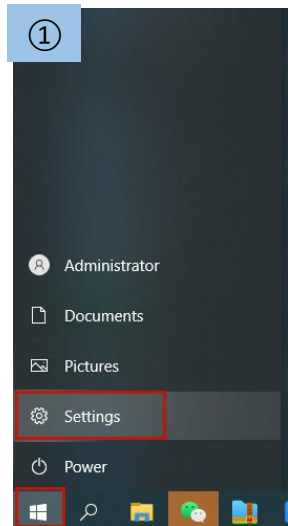


2) Use “Printer HTTP Link” to add printer (Not recommended, unless “TCP/IP Port” fails to support your printer)

When your computer can not add printer by “TCP/IP Port”, or it fails to print after add printer by “TCP/IP Port”, or it can not keep reliable printing, please use “Printer HTTP Link” to add printer to the computer as steps:

A) Click computer **Start > Setting > Devices > Add a printer or scanner > Click “The printer i want isn’t listed”**

Note: Windows 7/XP... need to select “Add a network, wireless or Bluetooth printer” before choose “The printer I want isn’t listed”.



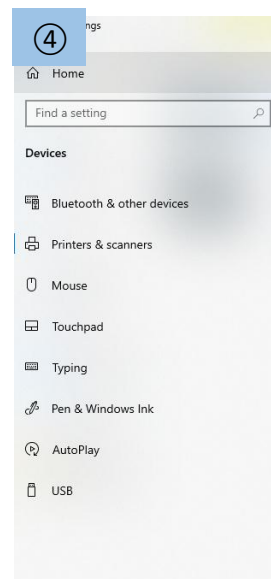
Printers & scanners

Add printers & scanners



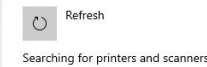
Printers & scanners

- Brother MFC-J3530DW Printer
- Canon MG2500 series Printer
Offline
- Fax
- Microsoft Print to PDF
- Microsoft XPS Document Writer
- 导出为WPS PDF



Printers & scanners

Add printers & scanners



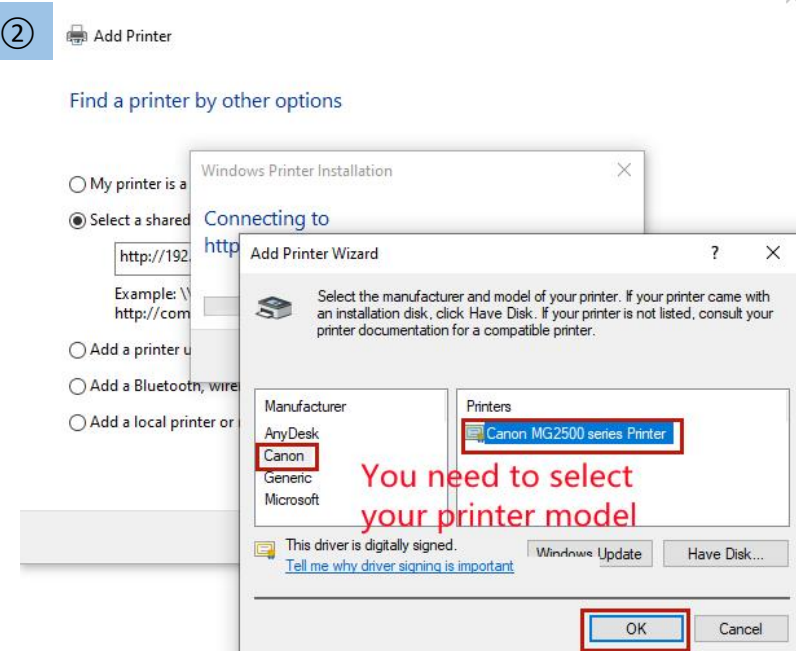
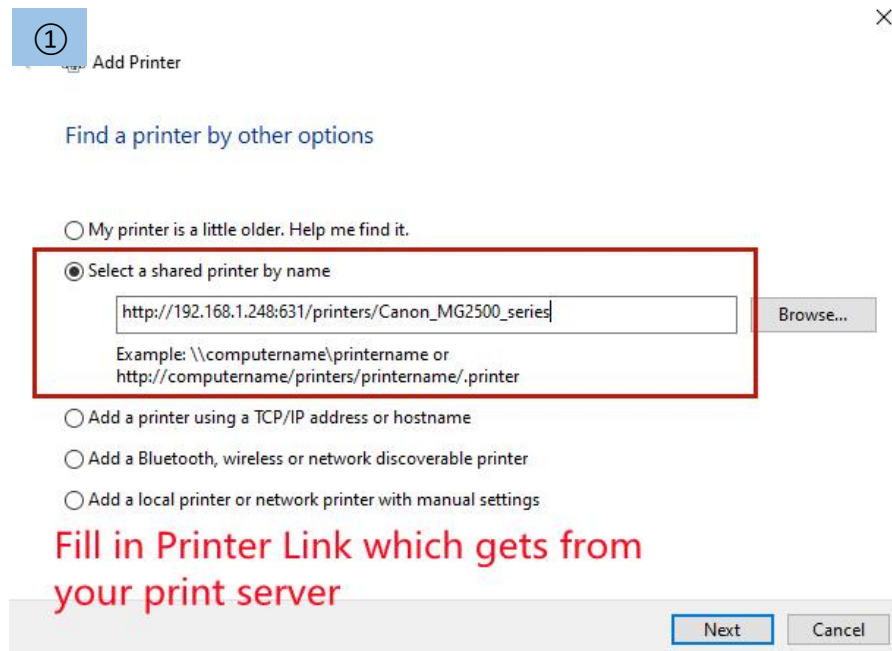
Searching for printers and scanners

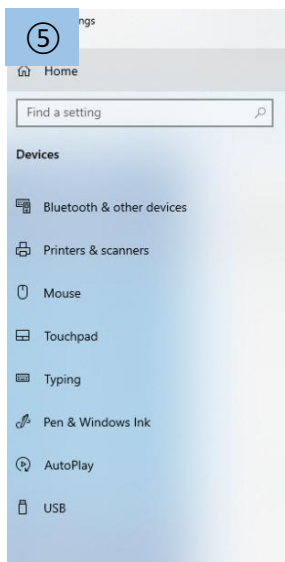
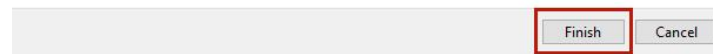
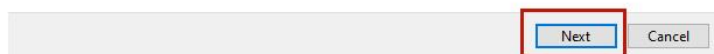
[The printer that I want isn't listed](#)

Printers & scanners

- Brother MFC-J3530DW Printer
- Canon MG2500 series Printer
Offline
- Fax
- Microsoft Print to PDF
- Microsoft XPS Document Writer

B) “Select a shared printer by name”, paste HTTP Link (refer to chapter 5.3.3 to get your printer HTTP Link), click **NEXT**. Select your printer model, click **OK**. Networked printer name is default, it can not be changed. Send the print test and check in “Printer & Scanner” list if it is successful to add printer.





Printers & scanners

Add printers & scanners

+ Add a printer or scanner

Printers & scanners

- Brother MFC-J3530DW Printer
- Canon MG2500 series Printer Offline
- Canon_MG2500_series on http://192.168.1.248:631
- Fax
- Microsoft Print to PDF
- Microsoft XPS Document Writer

C) The computer add networked printer is finished. You had better set this networked printer as the “**default**” printer and select the correct printer name when you send a print job.

Every computer within the same network follows this “add printer” process to configure and shares the print service.

6. WiFi (Wireless) Mode Print Server Installation - Mac

This Print Server can replace your printer host and helps you share USB printers with multiple computers on the local network, it required four networking and computer system settings: **Hardware Installation, Computer Environment Preparation, Set Up Print Server, Computer “add printer” Configuration.**

These steps set up in Mac is similar with Windows except for **Computer “add printer”**.

6.1 Hardware Installation (Please refer to chapter 4.1)

6.2 Computer Environment Preparation (Please refer to chapter 4.2)

6.3 Set Up Print Server (Please refer to chapter 4.3)

6.4 Mac “add printer” Configuration

6.4.1 Preparation

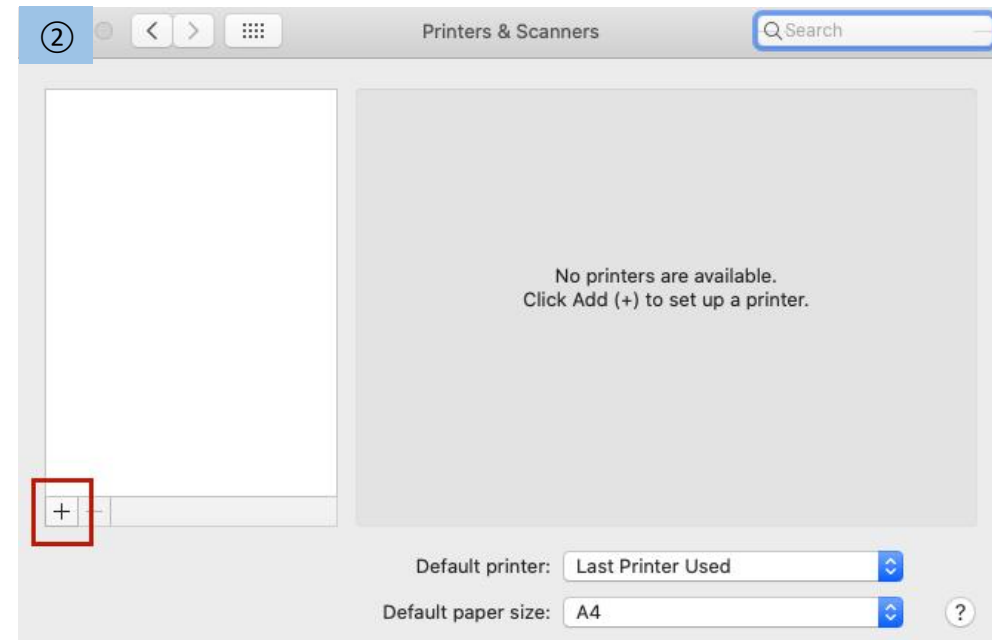
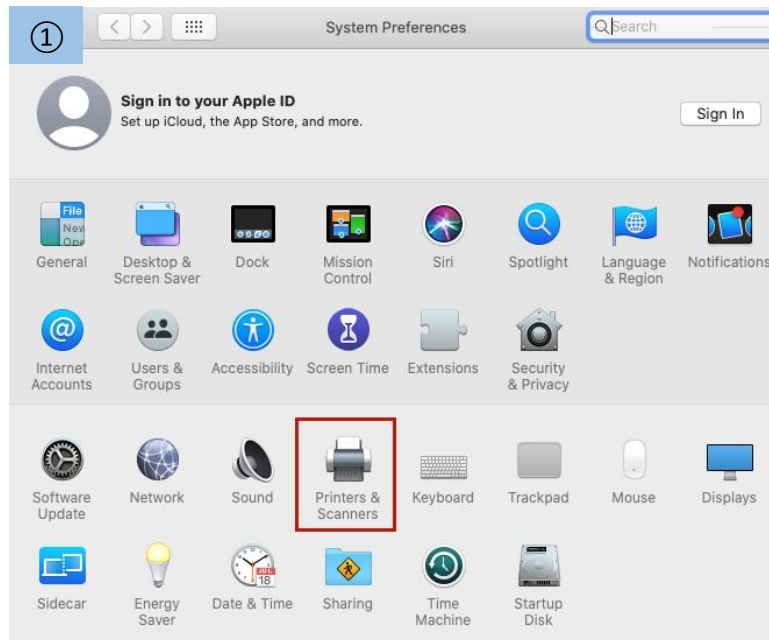
Before add a networked printer to your Mac, you need to prepare:

- 1) Each Mac has already installed the **printer driver** software, you can directly connect the Mac and printer to install driver software automatically, or download driver software from the printer’s website to manually install.
- 2) Directly connect the Mac to the printer, to test if it can print successfully. If not, you need to re-install the driver software.
- 3) The Print Server had been set up to connect local WiFi network and use a USB cable to connect with the printer.
- 4) The Print Server and Mac are in **the same local network (LAN)**.

6.4.2 Add networked printer in Mac

1) Use “TCP/IP Port” to add printer (**Recommended to Use This Way**)

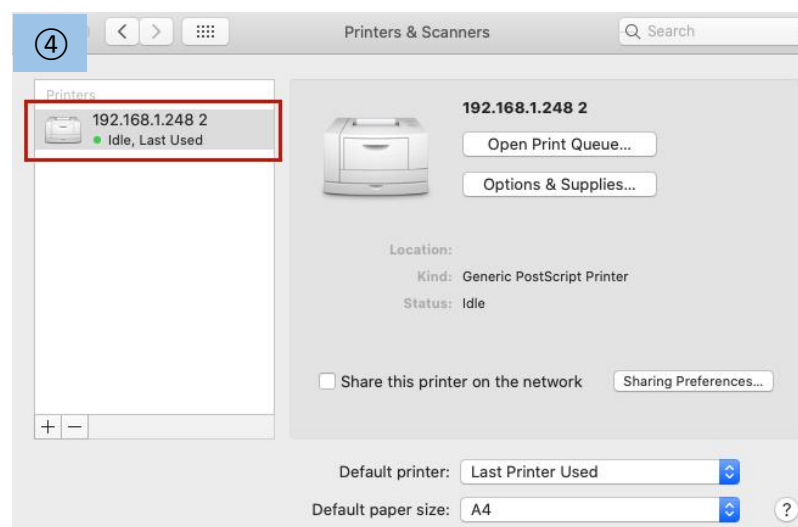
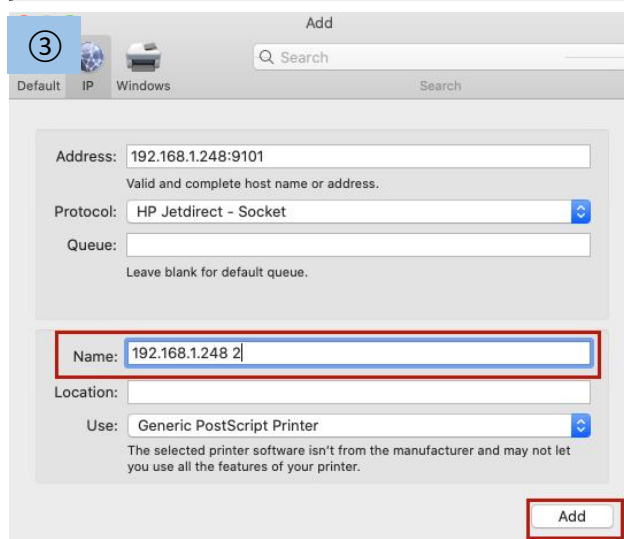
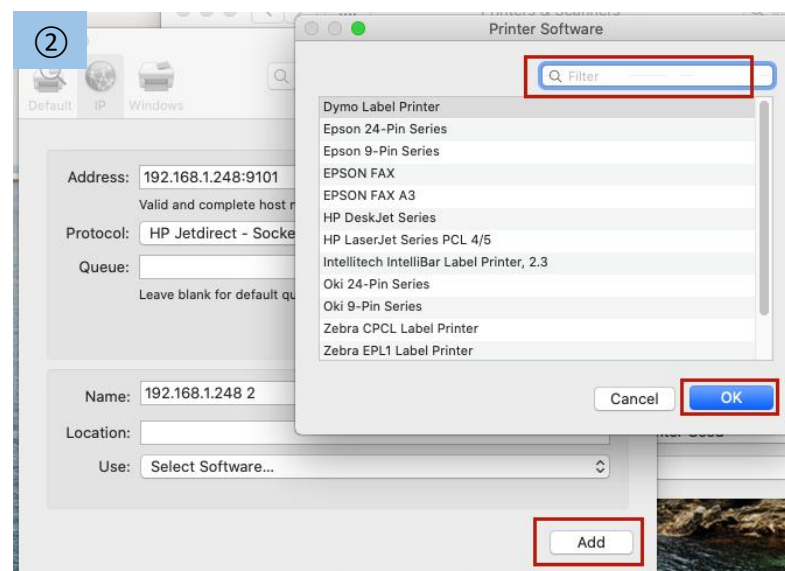
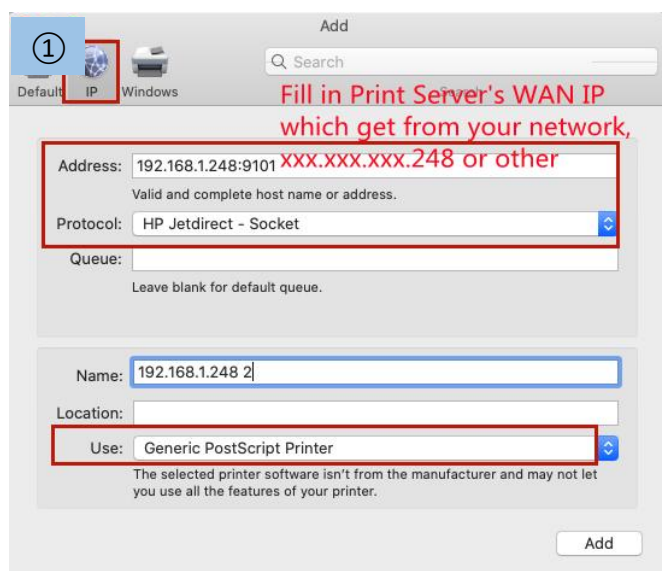
A) Click **Setting**, select **Prints & Scanners**, Click “+” to add printer.

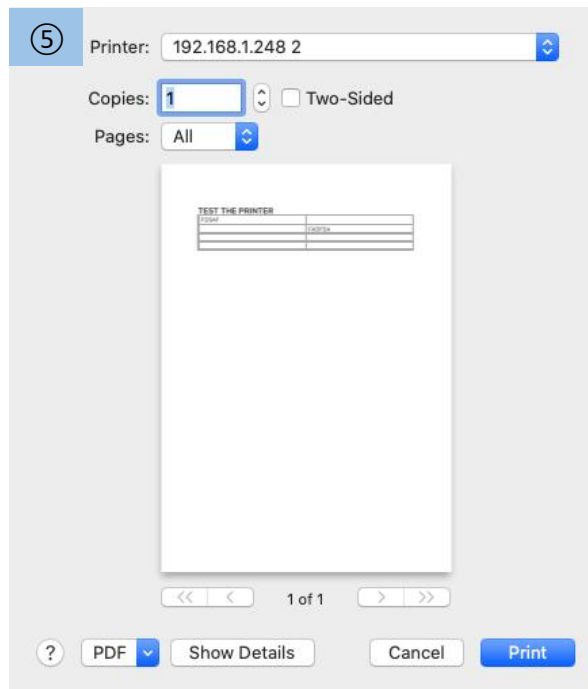


B) Select **IP**, Fill in your print server’s “**IP:Port**” (refer to chapter 4.3.3) in “**Address**”. “**Protocol**” select “**HP Jetdirect - Socket**” (not support other protocol).

Click “**Use**” to search and select your printer model (You can also try choosing **Generic PostScript** or **PCL printer software** from the pop-up menu, depending on your printer type), then “**add**” to add printer successfully. DONE.

If the driver selection is wrong and there is an exception, it will prompt that the network printer cannot be added.





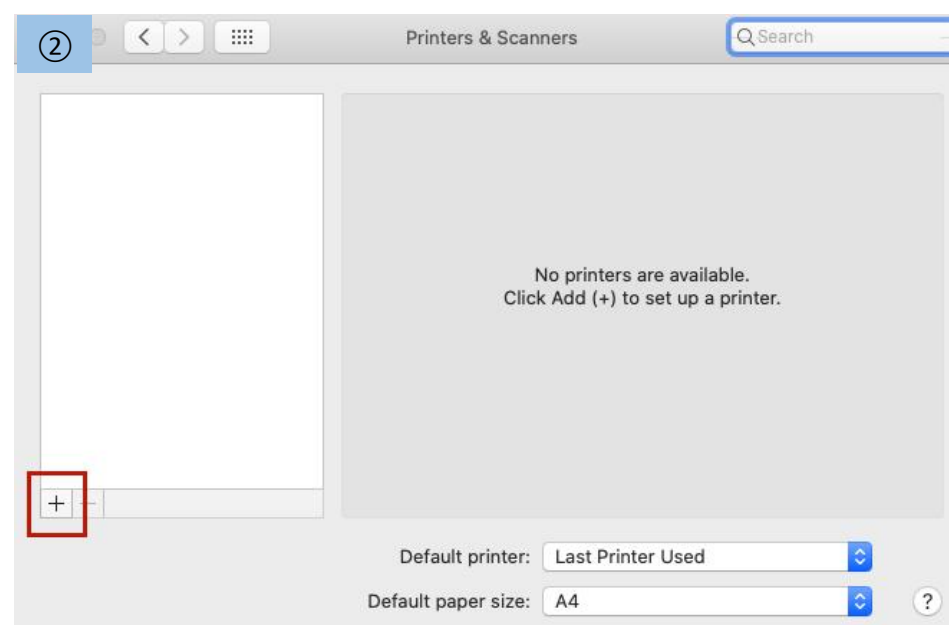
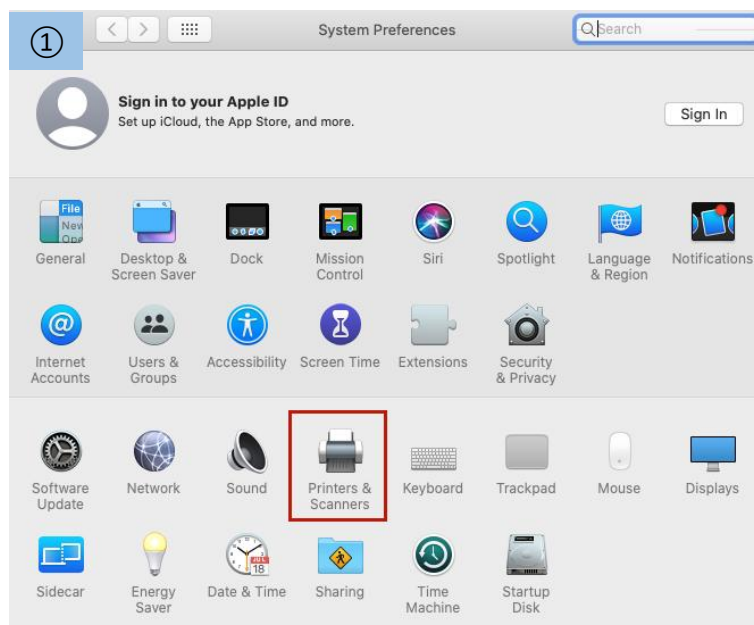
C) The Mac add networked printer is finished. You had better set this networked printer as the “**default**” printer and select the correct printer name when you send a print job.

Every mac within the same network follows this “add printer” process to configure and shares the print service.

2) Use **“Printer HTTP Link”** to add printer (**Not recommended, unless “TCP/IP Port” fails to support your printer**)

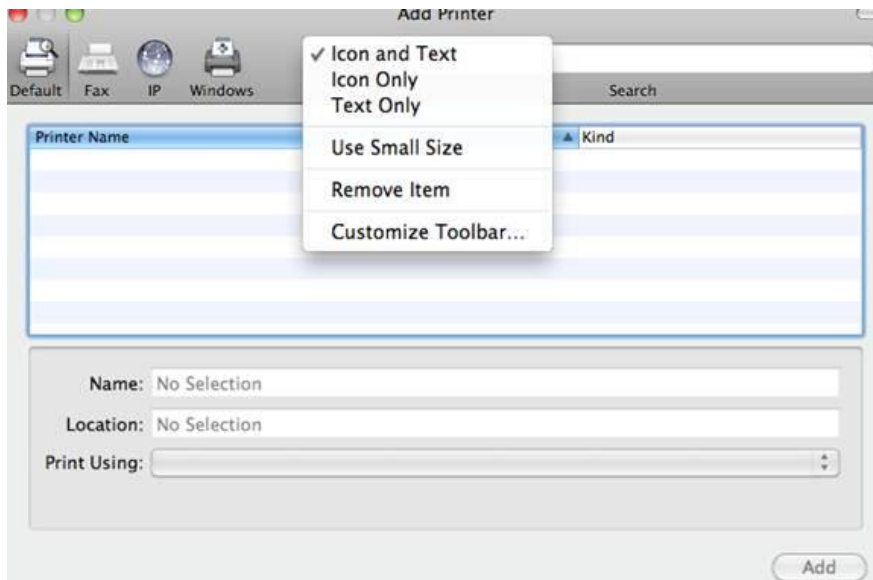
When your Mac can not add printer by “TCP/IP Port”, or it is fail to print after add printer by “TCP/IP Port”, or it can not keep reliable printing, please go ahead to use “Printer HTTP Link” to add printer to the Mac as steps:

A) Click **“Setting”**, select **“Prints & Scanners”**, Click **“+”** to add printer.

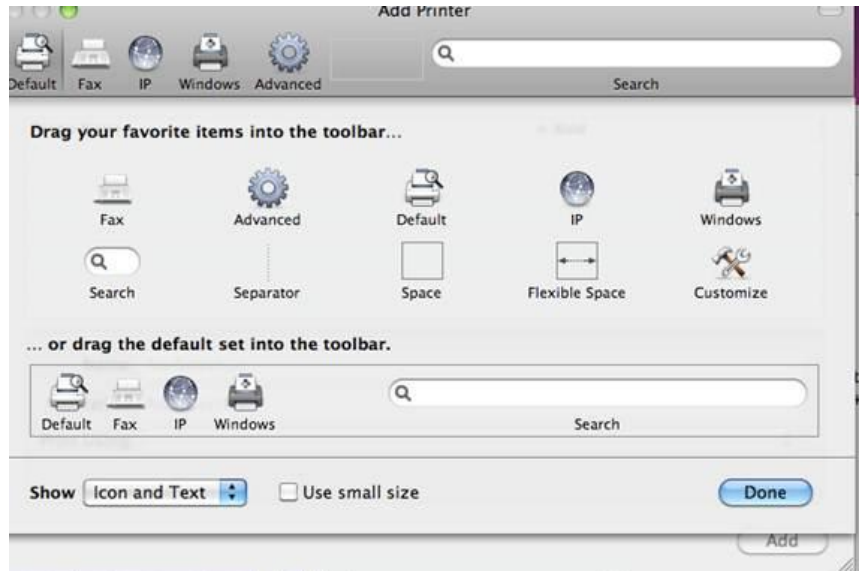


B) Click **Advanced** button.

- ✓ If the Advanced button does not exist on the tool bar, you will need to add it. In order to add the Advanced button, move the mouse over to the tool bar and press the Control key while pressing the mouse button/track pad. This should bring up a menu, please select the option for Customize Toolbar.



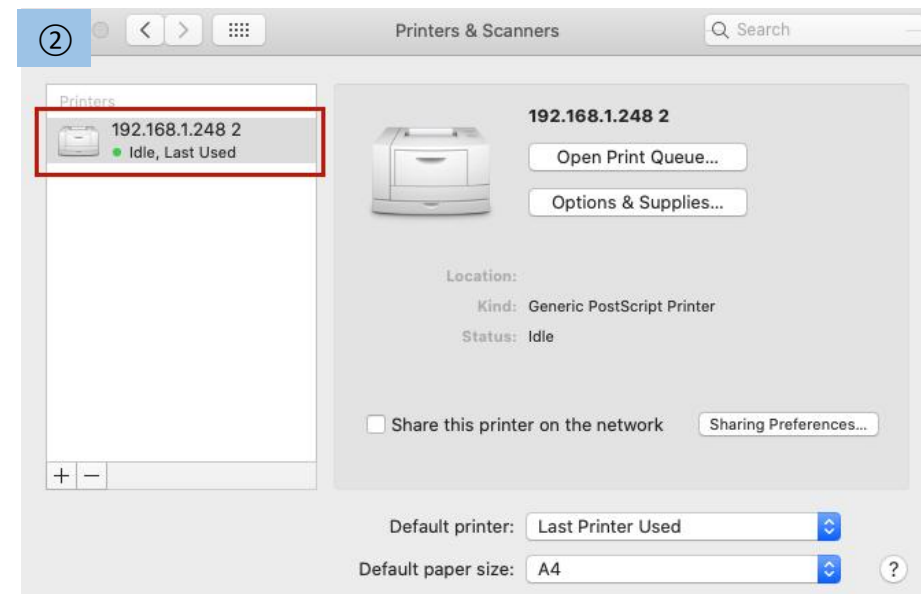
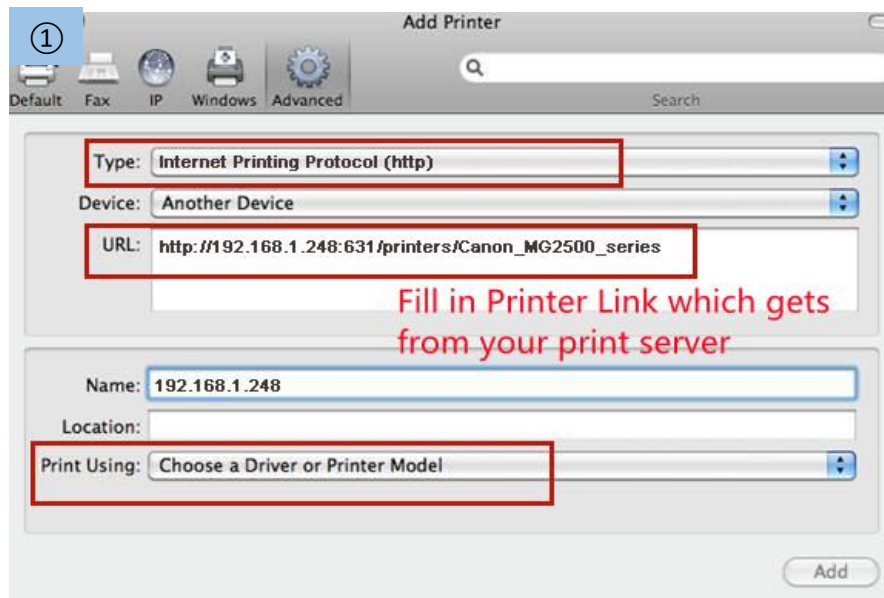
- ✓ Adding the Advanced button is a simple matter of dragging the Advanced gear icon, from the selection menu, to the tool bar.



C) Click on the “**Type**” pull down menu, and choose “**Internet Printing Protocol (http)**” from the selection. Fill in **printer http link** in “**URL**” (refer to chapter 4.3.3).

Click “**Print Using**” to search and select your printer model (You can also try choosing Generic PostScript or PCL printer software from the pop-up menu, depending on your printer type), then “**add**” to add printer successfully.

If the driver selection is wrong and there is an exception, it will prompt that the network printer cannot be added.



D) The Mac add networked printer is finished. You had better set this networked printer as the “**default**” printer and select the correct printer name when you send a print job.

Every Mac within the same network follows this “add printer” process to configure and shares the print service.

7. Wired Ethernet Mode Print Server Installation - Mac

This Print Server can replace your printer host and helps you share USB printers with multiple computers on the local network, it required four networking and computer system settings: **Hardware Installation, Computer Environment Preparation, Set Up Print Server, Computer “add printer” Configuration.**

These steps set up in Mac is similar with Windows except for **Computer “add printer”**.

7.1 Hardware Installation (Please refer to chapter 5.1)

7.2 Computer Environment Preparation (Please refer to chapter 5.2)

7.3 Set Up Print Server (Please refer to chapter 5.3)

7.4 Mac “add printer” Configuration

7.4.1 Preparation

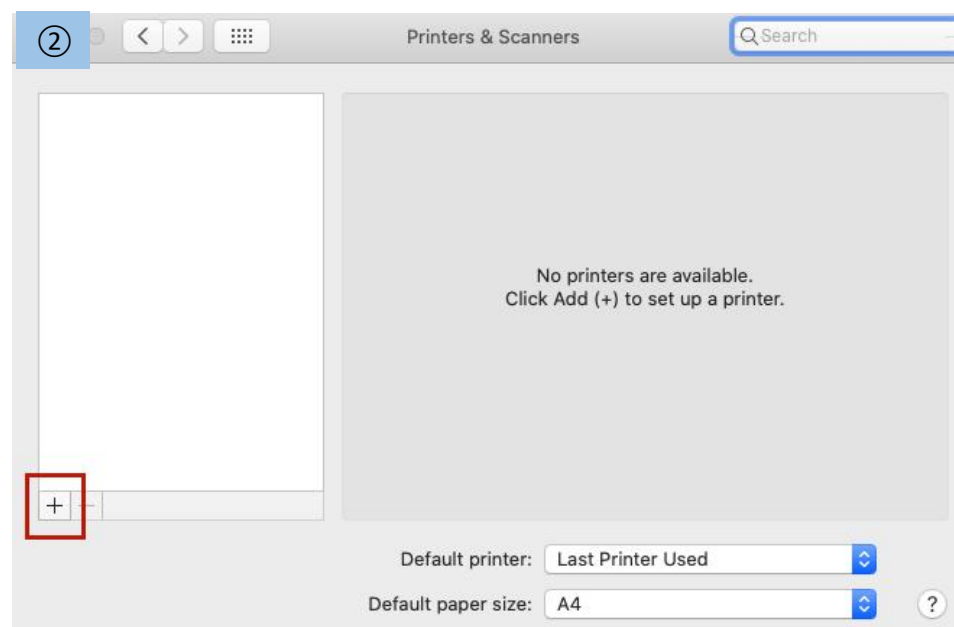
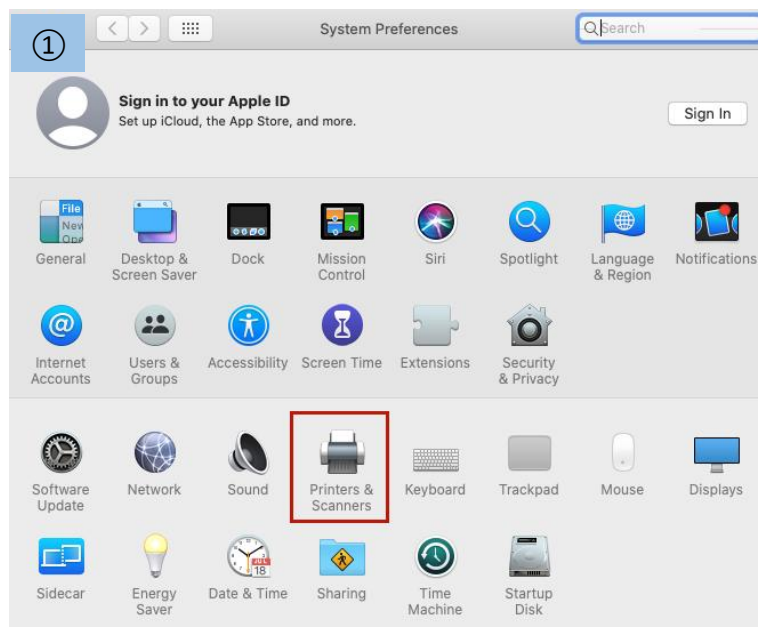
Before add a networked printer to your Mac, you need to prepare:

- 1) Each Mac has already installed the **printer driver** software, you can directly connect the Mac and printer to install driver software automatically, or download driver software from the printer’s website to manually install.
- 2) Directly connect the Mac to the printer, to test if it can print successfully. If not, you need to re-install the driver software.
- 3) The Print Server had been set up to connect local WiFi network and use a USB cable to connect with the printer.
- 4) The Print Server and Mac are in **the same local network (LAN)**.

7.4.2 Add networked printer in Mac

1) Use “TCP/IP Port” to add printer (Recommended to Use This Way)

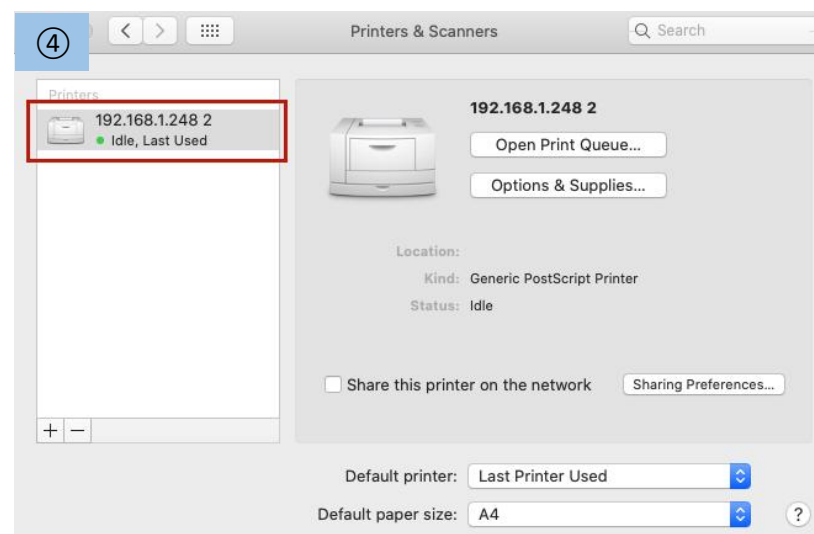
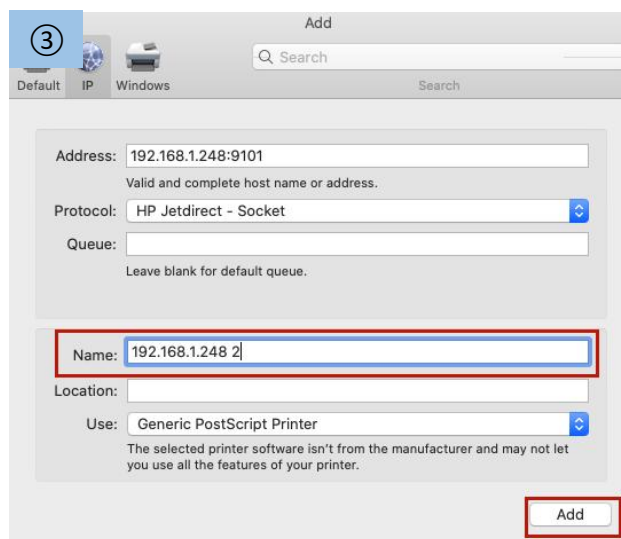
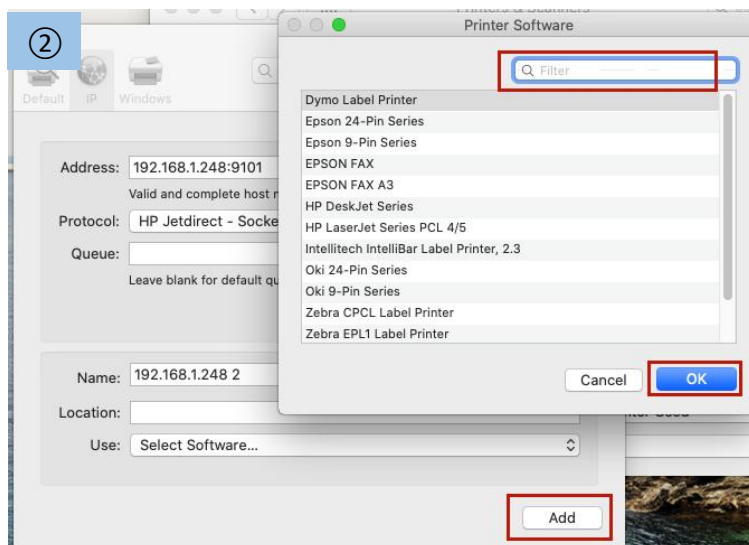
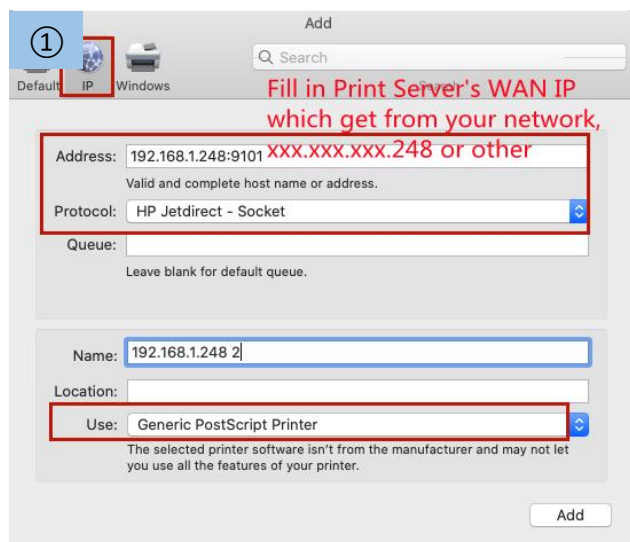
A) Click **Setting**, select **Prints & Scanners**, Click “+” to add printer.

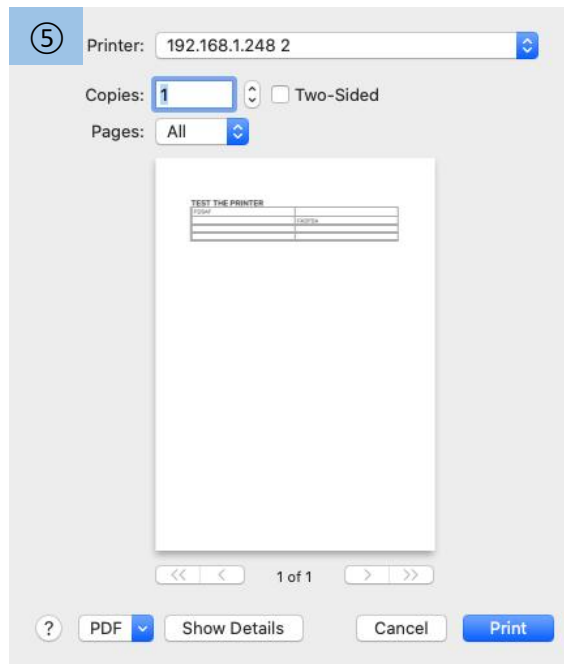


B) Select **IP**, Fill in your print server’s “**IP:Port**” (refer to chapter 5.3.3) in “**Address**”. “**Protocol**” select “**HP Jetdirect - Socket**” (not support other protocol).

Click “**Use**” to search and select your printer model (You can also try choosing **Generic PostScript** or **PCL printer software** from the pop-up menu, depending on your printer type), then “**add**” to add printer successfully. DONE.

If the driver selection is wrong and there is an exception, it will prompt that the network printer cannot be added.





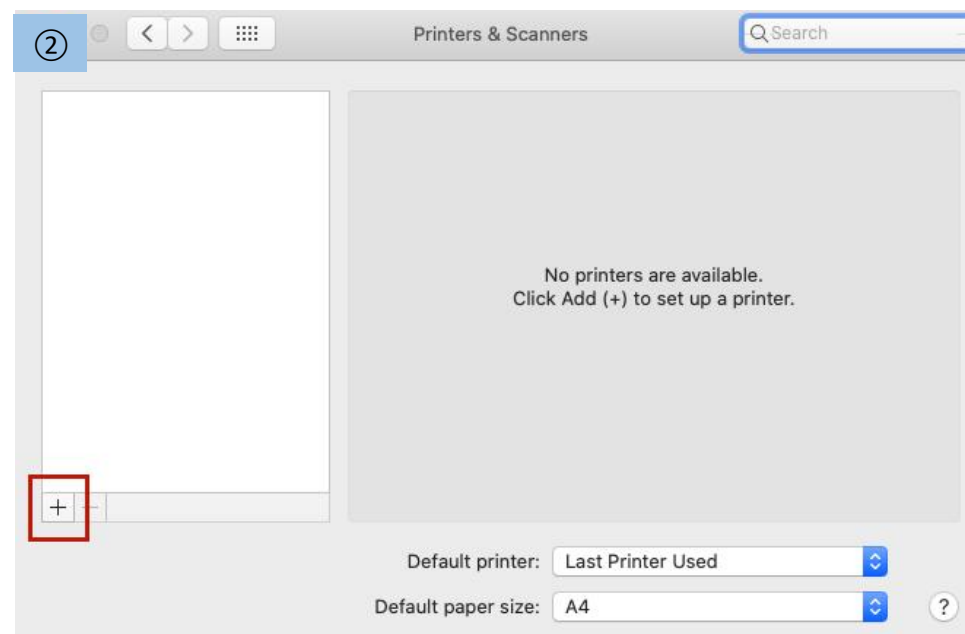
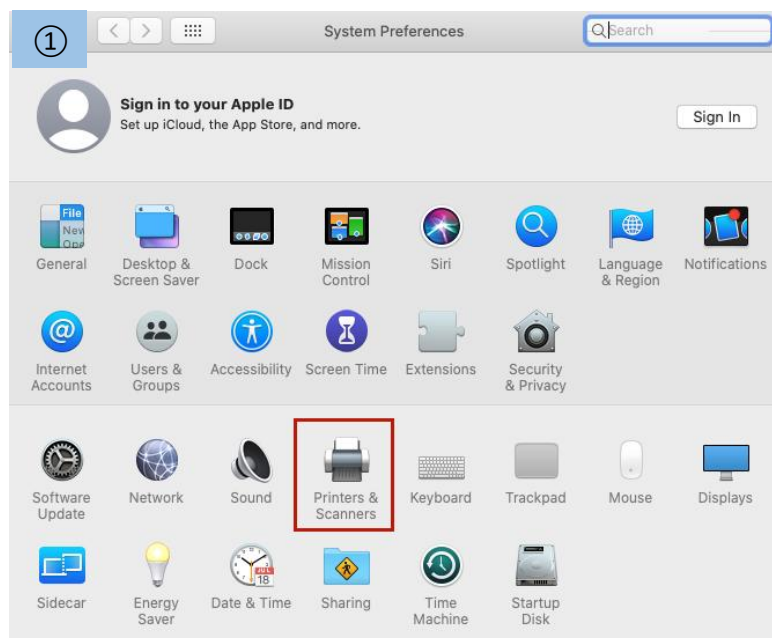
C) The Mac add networked printer is finished. You had better set this networked printer as the “**default**” printer and select the correct printer name when you send a print job.

Every Mac within the same network follows this “add printer” process to configure and shares the print service.

2) Use **“Printer HTTP Link”** to add printer (**Not recommended, unless “TCP/IP Port” fails to support your printer**)

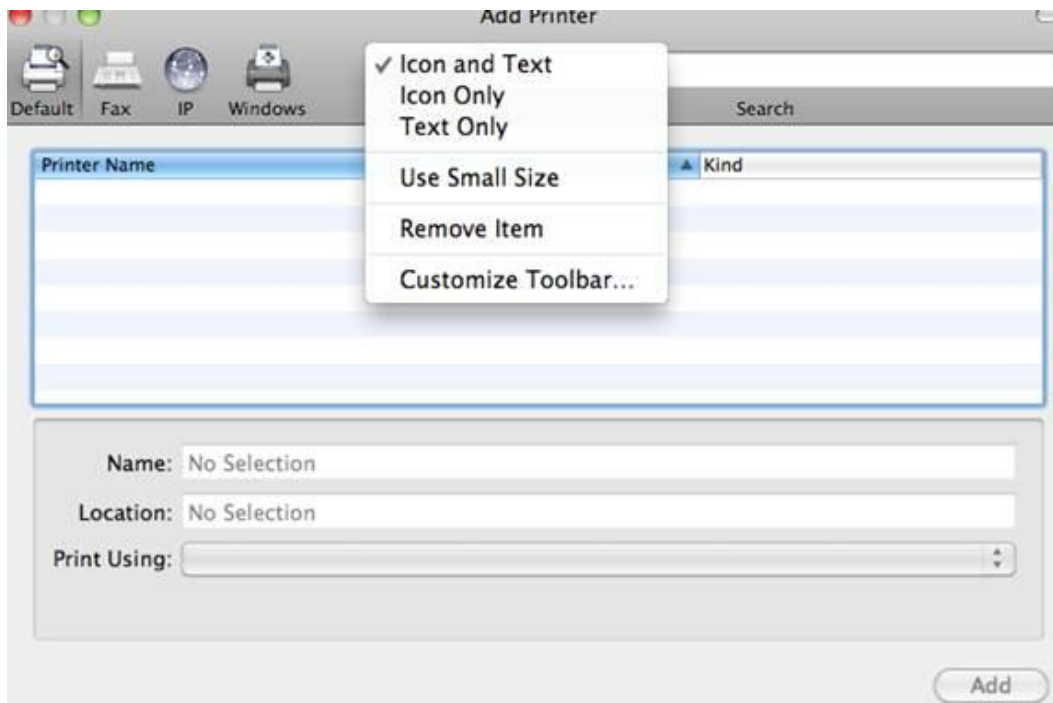
When your Mac can not add printer by “TCP/IP Port”, or it is fail to print after add printer by “TCP/IP Port”, or it can not keep reliable printing, please go ahead to use “Printer HTTP Link” to add printer to the Mac as steps:

A) Click **“Setting”**, select **“Prints & Scanners”**, Click **“+”** to add printer.

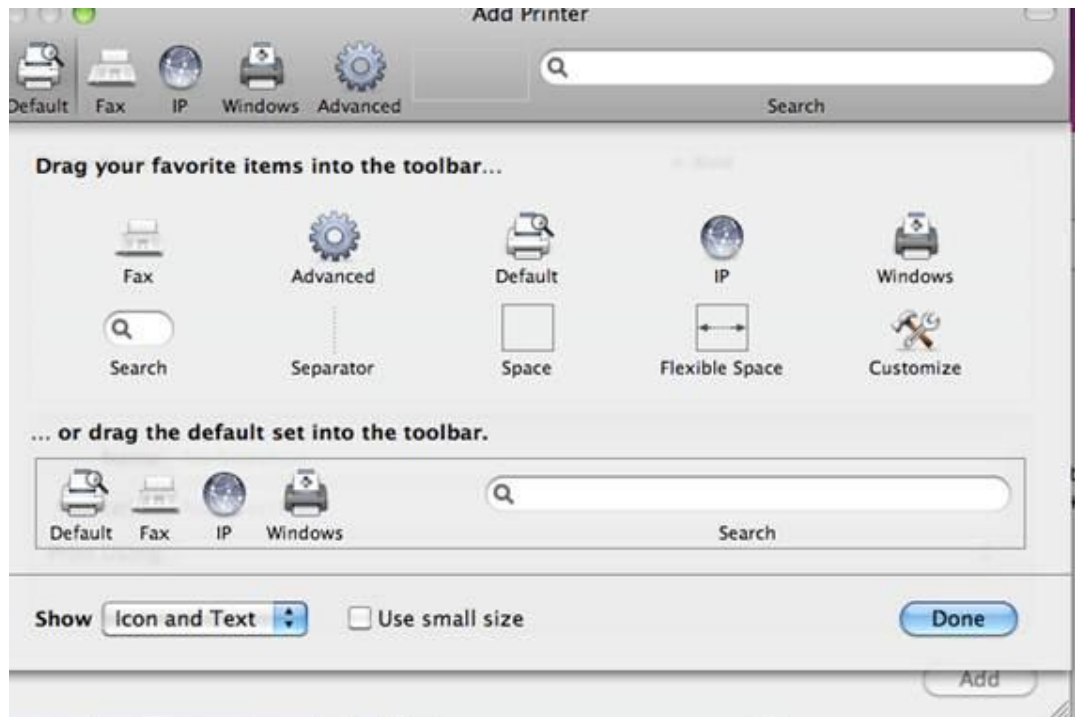


B) Click **Advanced** button.

- ✓ If the Advanced button does not exist on the tool bar, you will need to add it. In order to add the Advanced button, move the mouse over to the tool bar and press the Control key while pressing the mouse button/track pad. This should bring up a menu, please select the option for Customize Toolbar.



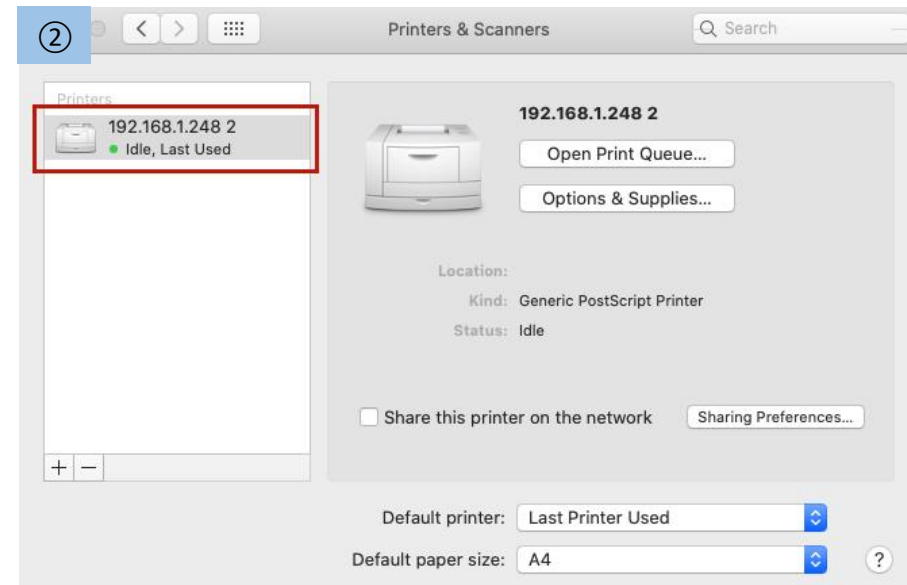
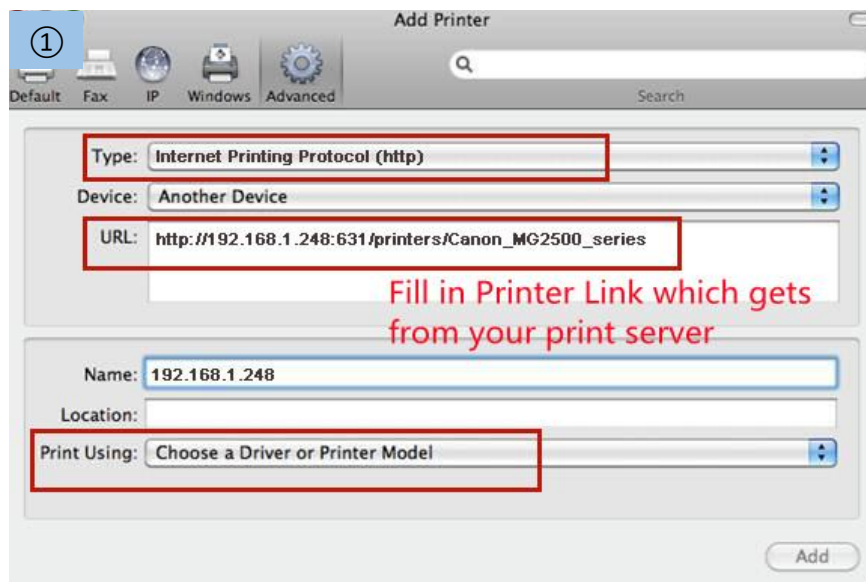
- ✓ Adding the Advanced button is a simple matter of dragging the Advanced gear icon, from the selection menu, to the tool bar.



C) Click on the “**Type**” pull down menu, and choose “**Internet Printing Protocol (http)**” from the selection. Fill in **printer http link** in “**URL**” (refer to chapter 5.3.3).

Click “**Print Using**” to search and select your printer model (You can also try choosing **Generic PostScript** or **PCL printer software** from the pop-up menu, depending on your printer type), then “**add**” to add printer successfully.

If the driver selection is wrong and there is an exception, it will prompt that the network printer cannot be added.



D) The Mac add networked printer is finished. You had better set this networked printer as the “**default**” printer and select the correct printer name when you send a print job.

Every Mac within the same network follows this “add printer” process to configure and shares the print service.

8. Troubleshooting

The most common problems, which cause the print server to perform improperly, are covered in this chapter. If a problem still exists after reading this chapter, please contact technical support: cheecent@outlook.com

Note: Set Up Video will be more helpful and easy for configuration, please view them on our Amazon product listing's "Videos" and "Customer questions & answers", or search "cheecent" on Youtube to view our channel. Step to step following the video to set up can solve most problems.

8.1 WiFi Connection Issue

Question: Why does it fail to connect the WiFi network?

Answer: There may be many reasons, please refer to below suggestions

- 1)Antenna Issue? Connect WIFI antenna right. Make sure the print server is placed within your WiFi coverage range.
- 2) This device support connecting to 2.4Ghz WiFi, not able to connect to 5Ghz WiFi, please connect to 2.4Ghz WiFi instead of 5Ghz WiFi. Some routers' "WiFi" function had a beta setting enabled, buried under advanced options, that pushed "performance clients" to 5Ghz; If so, please disable that beta setting.
- 3) LAN IP Conflict? The default LAN IP address of the WiFi router cannot be the same as the default LAN address of the print server (192.168.6.X), otherwise, there will be a network conflict, and it will fail to access the Internet. You should modify the LAN address of one of them.
- 4) WiFi router access restriction? Some routers enabled the use restriction of IP address, mac address binding, and white list/black list. if yes, add the WAN port mac address of the print server device (print server system Web page: "Basic Network" - "Wireless network" - "MAC-Address/BSSID",) to the WiFi router's binding list, add the print server IP to the WiFi router.
- 5) Browser password auto-fill issue? In the print server system, take a look at the "Basic Network" - "Wireless network", click the edit button of the added WIFI client, check if the WiFi password is automatically filled. If it is, change the WiFi password to the correct one. Or use another web browser to try.

6) WAN IP Conflict? The print server default using DHCP, it will auto obtain an WAN IP as xxx.xxx.xxx.248 of your network. If there is an IP conflict (ex. the router mandatory assigns another IP "xxx.xxx.xxx.249", or the "xxx.xxx.xxx.248" is allocated by another device, then the print server is fail to get IP). If this happens, you need to set another static IP of the print server to fix it.

7) Try to clear "BSSID" of your WiFi client, let it be blank, and click "SAVE&APPLY", some clients can make it connect with this action.

The screenshot displays the Cheecent print server's web interface. On the left, a blue sidebar contains navigation menus: 'Basic Network' (with 'Wireless Network' highlighted by a red box and a red '1'), 'Advanced Network', and 'System Management'. The main content area is titled 'Wireless Network' and shows a 'Wireless Overview' section. This section contains a table with three rows: 'radio0: Master "CR202-26ee9f"', 'radio0: Client "xike"', and 'Client "xike" (wlan0)'. The 'Client "xike" (wlan0)' row has an 'EDIT' button highlighted with a red box and a red '2'. Below the overview is an 'Associated Stations' table with columns: Network, MAC-Address, Host, Signal / Noise, and RX Rate / TX Rate. The table lists two stations: 'Client "xike" (wlan0)' and 'Master "CR202-26ee9f" (wlan0-1)'. The bottom right corner of the interface shows the version 'Print Server v2.5.220720'.

Network	MAC-Address	Host	Signal / Noise	RX Rate / TX Rate
Client "xike" (wlan0)	18:F2:2C:F6:CA:0A	?	-33 / -95 dBm	108.0 Mbit/s, 40MHz, MCS 11 121.5 Mbit/s, 40MHz, MCS 6
Master "CR202-26ee9f" (wlan0-1)	A4:1A:3A:E0:2C:6A	WIN-NEUL4JIH5UH.lan (192.168.6.100)	-25 / -95 dBm	72.2 Mbit/s, 20MHz, MCS 7, Short GI 65.0 Mbit/s, 20MHz, MCS 7

②

System Status >

Basic Network >

Hostnames

Switch

Static Routes

Wired Network

Wireless Network

Static address

Advanced Network >

System Management >

Logout

Wireless Network x

Wireless network is enabled DISABLE

Operating frequency

Mode

Channel

Width

11n

11 (2462 MHz)

20 MHz

Transmit Power

auto

dBm

Interface Configuration

General Setup

Wireless Security

Advanced Settings

Mode

Client

ESSID

xike

BSSID

18:F2:2C:F6:CA:0A

Protocol

Static address

IPv4 address

192.168.1.247

IPv4 netmask

255.255.255.0

IPv4 gateway

192.168.1.1

Metric

10

Use custom DNS servers

+

Clear BSSID

8.2 Wired Ethernet Connection Issue

Question: Why does it fail to connect the Wired Ethernet router?

Answer: There may be many reasons, please refer to below suggestions

- 1) Port issue? Make sure the Ethernet cable is connected from the **router's LAN** port to the **print server's WAN** port.
- 2) LAN IP Conflict? The default LAN IP address of the WiFi router cannot be the same as the default LAN address of the print server (192.168.6.X), otherwise, there will be a network conflict, and it will fail to access the Internet. You should modify the LAN address of one of them.
- 3) Router access restriction? Some routers enabled the use restriction of IP address, mac address binding, and white list/black list. if yes, add the WAN port mac address of the print server device (print server system Web page: "Basic Network" - "Wired network" - "WAN" - "Advanced Setting" - "Override MAC address",) to the router's binding list, add the print server IP to the router.
- 4) Ethernet cable issue? please replace another valid Ethernet cable to check.

8.3 Print Server System Login Issue

Question: Open browser then type in 192.168.6.1 can not access to print server login page?

Answer:

- 1) Ethernet cable issue? Connect the Ethernet cable from the **print server's LAN** port to the computer. Check the print server's LAN indicator status, if it is not flashing, please replace another valid Ethernet cable to try.
- 2) Check whether the computer had been disconnected from the other WiFi network, and the Ethernet network card is set to obtain an IP address automatically and obtain the IP address of the same network segment (192.168.6.x).
- 3) If you manually set IP address on the computer, make sure the computer Ethernet network card (Local Ethernet Area) IP address and the print server are on the same network segment address (192.168.6.x).

8.4 Web Browser Issue

Question: After logging in to the print server, the web page displays incompletely or does not display properly?

Answer:

- 1) This case's root cause mainly is because it uses an IE browser and the browser version is old. Try to use other browsers such as Google Chrome, and Firefox.
- 2) Some browsers need to select "Super Speed Mode" when logging in. "Compatibility Mode" causes poor compatibility of web pages.

8.5 Computer Add Printer Issue

Question: When using computer "add printer" guide, it can not find the printer?

Answer:

- 1) This computer had not installed the printer driver, please install the correct print driver model.

Question: Use "TCP/IP Port" or "Print HTTP Link" to add a printer, but it can not print or keep printing reliable?

Answer:

- 1) It may be a compatibility problem, please try another way of "add printer". If you use "TCP/IP Port" to add printer originally, then you can try to use "Printer HTTP Link" to add printer. If you use "Printer HTTP Link" to add printer originally, then you can try to use "TCP/IP Port" to add printer.
- 2) If you using the "TCP/IP Port" to add printer and it can not print, please try to turn off the "Bidirectional Mode" of the print server and the computer.

8.6 Forget The Print Server Password or Login IP Issue

Question: I can not login the printer server, because I forget its password and LAN IP?

Answer:

1) The print server is powered on, keep pressing “RST” button for more than 10 seconds, and release, then all indicator lights will be off and flash together once. This print server is reset to the default setting, you can access it by 192.168.6.1 and the password is “admin”. But you need to set up the print server again as it had been turned back to the default setting.

8.7 No Local Network (Internet)

Question: I don’t have a router/network in my home/office, can I use this device?

Answer:

- 1) In normal cause, this device needs to get an IP address in your local network, then configure your network printer in Windows/Mac via the print server’s WAN IP.
- 2) If you don’t have a local network, you can directly connect to the print server to send a print job. Two ways: First, your computers use Ethernet cables to connect the **server’s LAN** port (you need an Ethernet switch for two or more computers). Second, your computer join server’s WiFi AP: CR202-xxxxxx (default password is: admin123). Then you can use TCP/IP: **192.168.6.1** and Port **9100/9101** to add a networked printer in Windows/Mac system configuration. Please refer to Chapter 4.4, and use 192.168.6.1 instead of networked IP. But your computer must connect with the print server(via Wired Ethernet or WiFi AP CR202-xxxxxx) to send a print job every time.

8.8 Use WiFi to Set Up Print Server Instead of Ethernet Cable

Question: My computer has no Ethernet Port or I don't have enough Ethernet cable, Can I Use WiFi to set up this print server instead of Ethernet cable?

Answer: Yes, follows these step to solve it

- 1) Your computer searches and join the server's WiFi AP: CR202-xxxxxx (default password is: admin123), then logs in to the print server system by typing 192.168.6.1 in the web browser.
- 2) When setting the print server connecting local WiFi network, it will show an Error: "**Failed to confirm apply within 30s, waiting for rollback...**", you will find the computer is disconnected with Print Server WiFi CR202-xxxxxx. Please select your pc to reconnect to print server wifi, then "**Configuration has been rolled back**" pop up, click "**APPLY UNCHECKED**". It may lose the WiFi connection again, reconnect to the print server WiFi and re-login system 192.168.6.1, you can find the print server had been set up to connect with your WiFi network.
- 3) We made a video for your reference : <https://www.youtube.com/watch?v=rqapWiUInfA>

8.9 The Printer Keep Printing Without Stop When Using This Print Sever

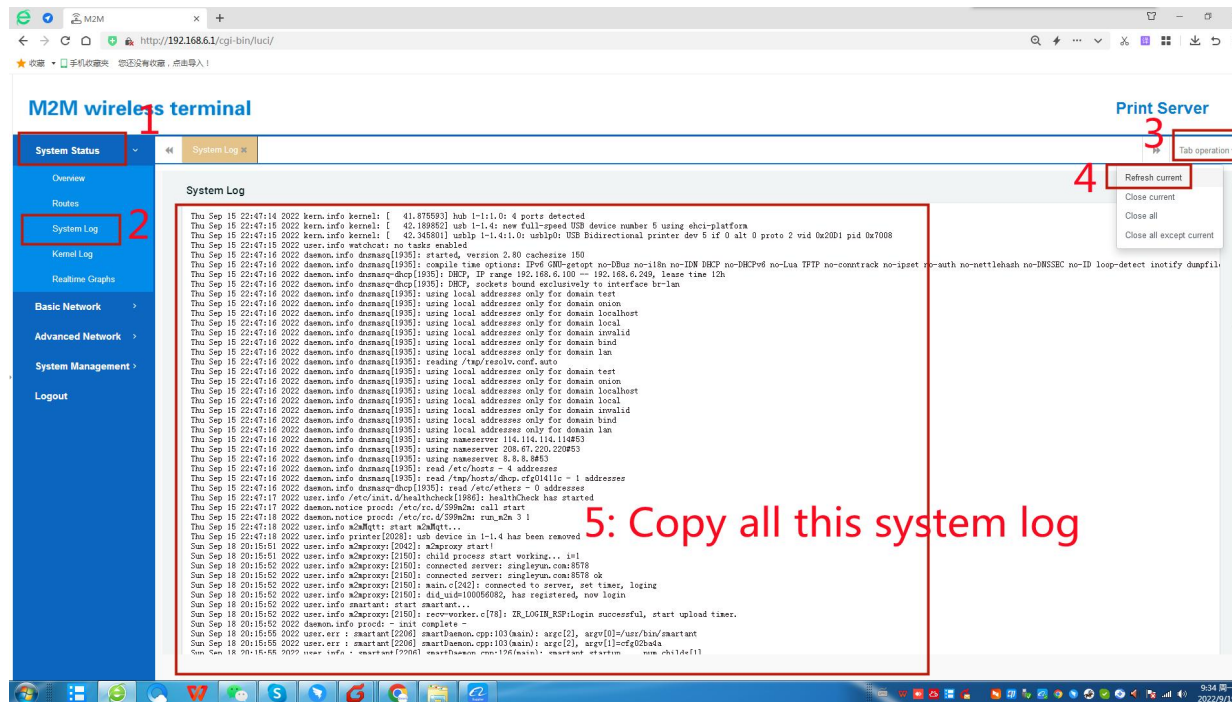
Question: After set up the print server and configure network printer, when I send print job to the printer, it keep printing without stop?

Answer: This device is not bi-directional, some printer models using "TCP/IP Port" to add networked printer in the computer may throw errors that it cannot detect ink levels or it printing without stop (ex.PH1005/1020), then you need to turn off the "**bidirectional mode**", refer to the guide on Page25.

8.10 Contact Technical Support

If you do these checking and are not able to fix the issue. Please download the system log and send it to us for help.

"**System Status**" - "**System log**" - "**Tap Operation**" - "**Refresh Current**", copy all the system log and paste it into a file, and send the file to us, our engineer will find what system issues happen and get back the solution to you.



9. Customer Service

If you have any question or need any assistance during the print server usage.

Please feel free to contact us via our skype/email: **cheecent@outlook.com**, we will try to respond to you as soon as we can.