



StarTech com PM1115UW, PM1115UWEU Wireless N USB 2.0 Network Print Server User Manual

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Compliance Statements

FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

Industry Canada Statement

This Class B digital apparatus complies with Canadian ICES-003.
CAN ICES-3 (B)/NMB-3(B)

IC Radiation Exposure Statement

This equipment complies with IC RSS-102 radiation exposure limit set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

Use of Trademarks, Registered Trademarks, and other Protected Names and Symbols

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Safety Statements

Safety Measures

- Wiring terminations should not be made with the product and/or electric lines under power.
- Cables (including power and charging cables) should be placed and routed to avoid creating electric, tripping or safety hazards.

Warning Statements

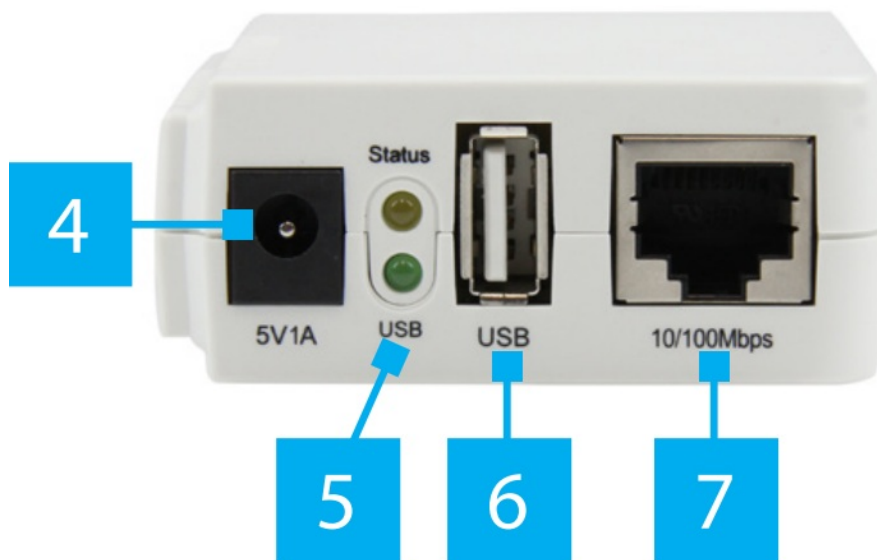
- Read the entire manual and ensure the instructions are fully understood before assembling and/or using this product.
- This product is intended for indoor use only and should not be used outdoors.

Product Diagram

Front View



Back View



1	WAN LED	5	LED Indicators
2	WPS Button	6	USB-A Port
3	Reset Button	7	RJ45 Port
4	DC Jack		

Product Information

Requirements

For the latest product software, product information, technical specifications, manuals, and Declarations of Conformance, please visit: www.startech.com/PM1115UW
www.startech.com/PM1115UWEU

Note: The Print Server does not support printing with Host Based Printers (e.g. CAPT, GDI, PPA).

Package Contents

- Wireless Print Server x 1
- Power Adapter x 1
- Product Insert x 1

Configurations

	Operating System	Function
PS Admin Utility / Setup Wizard	Windows® XP, Vista, 7, 8, 8.1, 10	Install a single print server on a network
Embedded Web server	Windows, macOS, and Linux	

Installation

Default Settings

- **Username:** admin

- **Password:** (None)
- **Wireless Mode:** Ad-Hoc (Peer-to-Peer)
- **SSID:** PM1115UW
- **IP Address:** 192.168.0.10

Basic Hardware Installation

1. Turn **OFF** the **Power** to the **Printer**.
2. Connect the **Print Server** to the **Printer**, using an appropriate USB Printer Cable.
3. Turn **ON** the **Power** to the **Printer**.
4. Connect the **Power Adapter** to the **DC Jack**, located on the back of the **Print Server**.
5. **Wait ~40 seconds** for the **Print Server's Power On Self Test (POST)** to
6. **(Optional)** Connect an **RJ45 Network Cable** to the **Print Server** and to a **Network Device** (e.g. network switch or wall jack).

Hardware and Software Installation

The PM 1115 UW can be installed using two distinct methods.

Method 1: For a streamlined installation, follow the steps listed in the [Basic Software Installation](#) section. Please note that this method is only available in Windows.

Method 2: For other operating systems or for a more advanced setup in Windows, follow the steps listed in the [Advanced Software Installation](#) section.

Basic Software Installation

1. Connect an **RJ45 Network Cable** to the **Print Server** and to a **Network Device** (e.g. network switch or wall jack). Wait~40 seconds for the boot up sequence to complete. The **Printer** will be connected in [Step #13 of Basic Software Installation](#).
2. Install the **Print Server (PS) Wizard** application on the **Computer** that will be used for printing Connect this **Computer** to the **Network**, utilizing a **Wi-Fi Connection** or an **Ethernet Cable**. Confirm the **Printer** works while directly connected to the **Computer**, using a **USB Cable**, before continuing to the next step. If printing with a direct USB connection is unavailable, download the **Drivers** for the **Printer** from the manufacturer
Note: The **PS Wizard** application can be found by navigating to the following link(s):
www.startech.com/PM1115UW www.startech.com/PM1115UWEU
*Navigate to the **Drivers/Downloads** tab and select [pm1115uw] usb wireless n print server.zip.*
3. **Right-click** the **PS Wizard Shortcut** and select **Run as Administrator**. Select **Yes** to allow the software to run.
4. At the **Welcome** screen, select **Next** to begin the software (*Figure 1*)

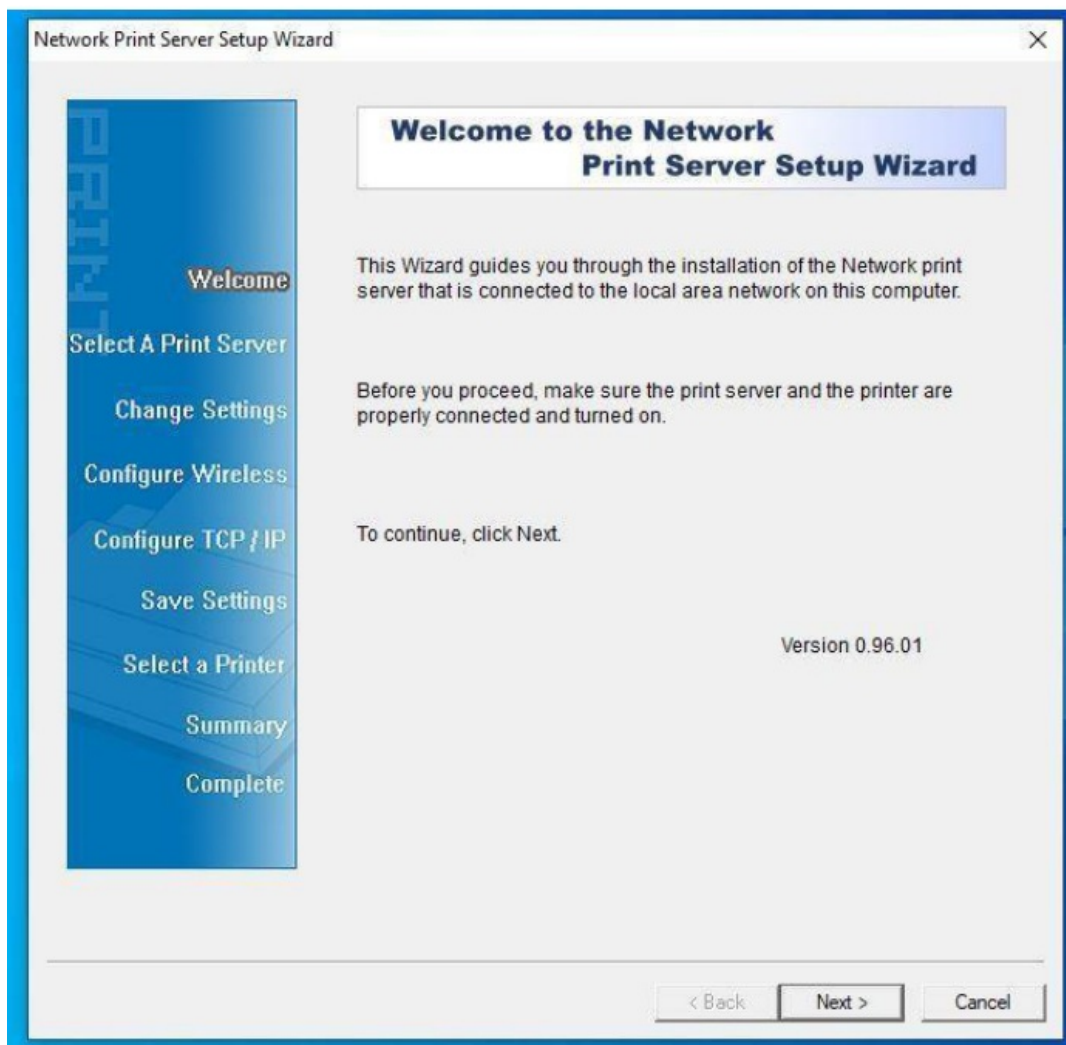


Figure 1

5. At the **Select a Print Server** screen, select **Next** to start searching for the **Print Server** (*Figure 2*). Select the desired **Print Server** then select **Next**. (*Figure 3*)

Note: If the Print Server is not detected, check the Network Connection.

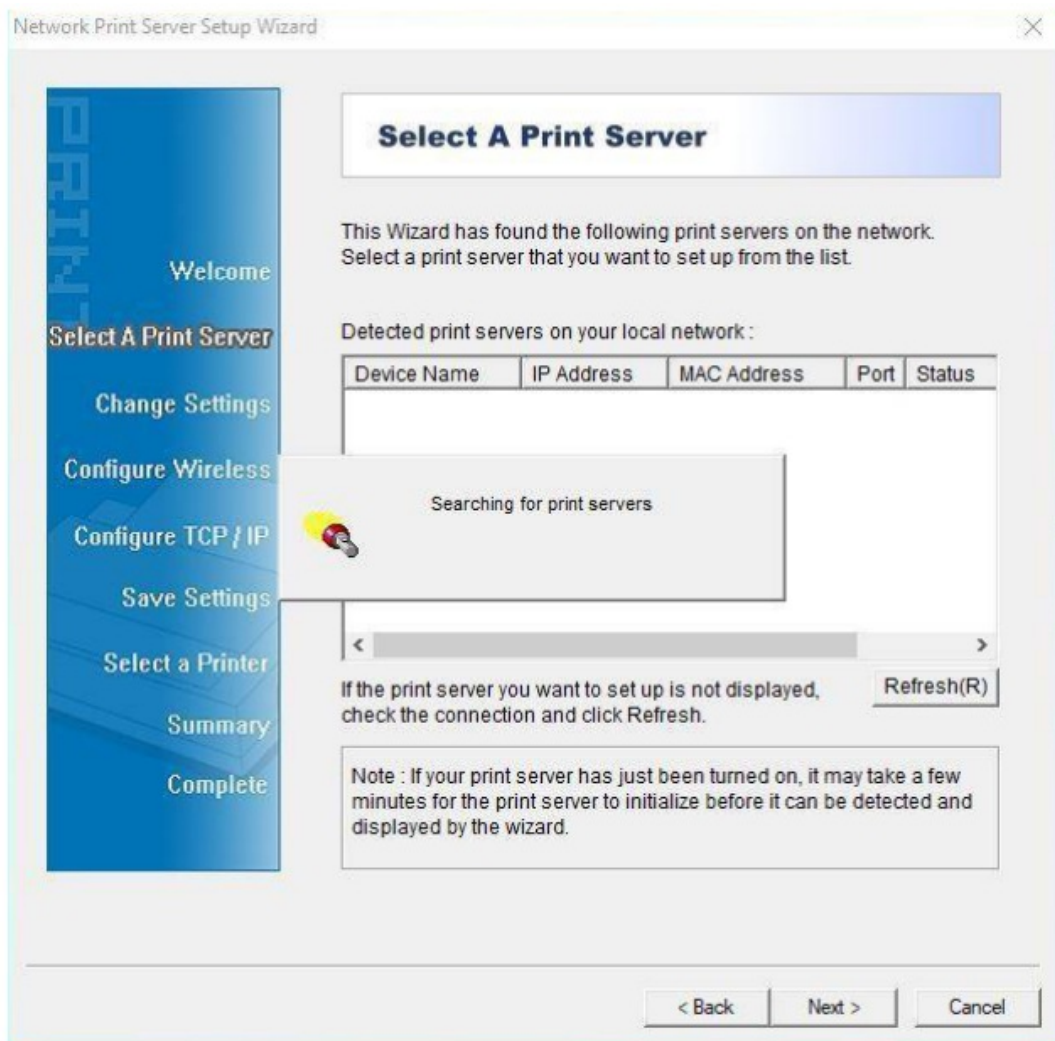


Figure 2

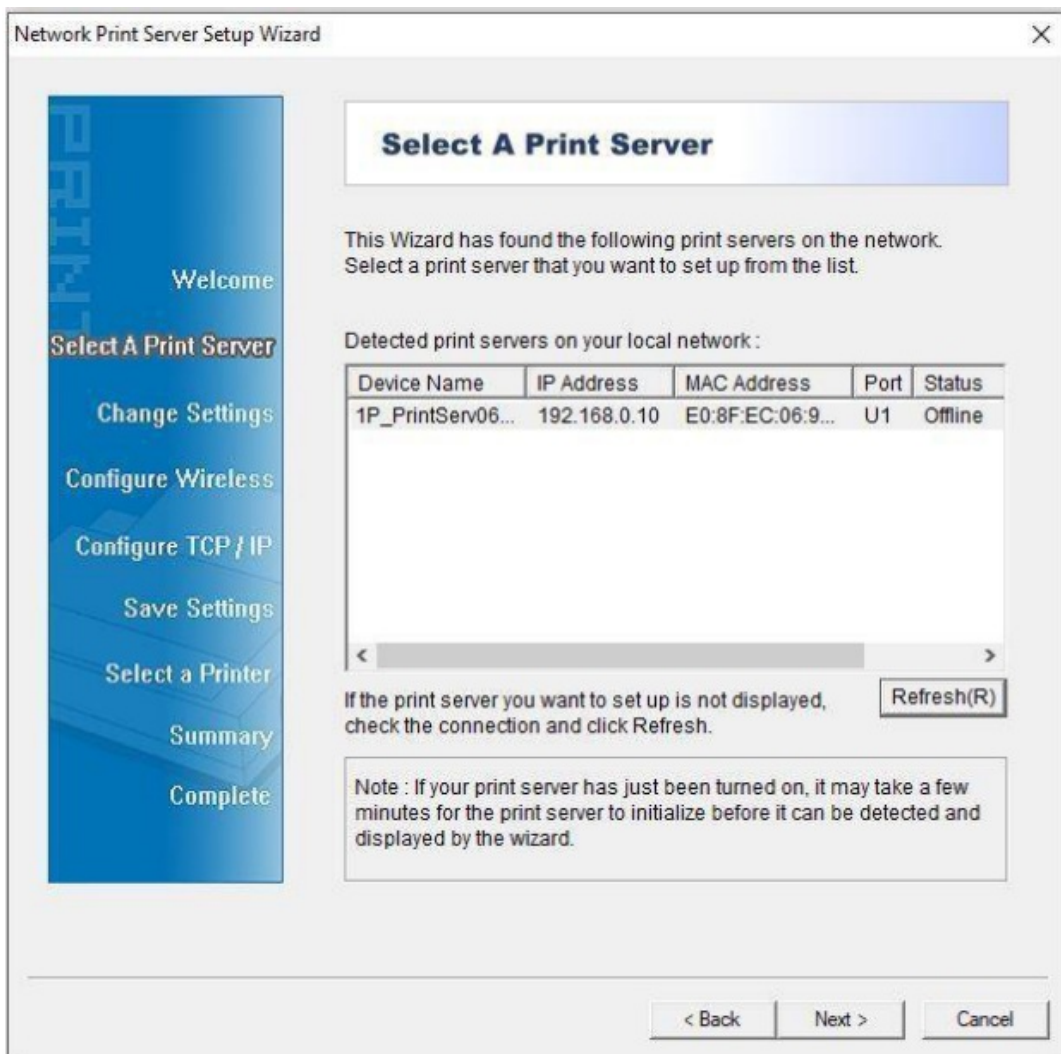


Figure 3

6. (Optional)At the **Change Settings** screen, apply a **Password** to the **Print Server's Web Interface** by selecting **Yes** then enter the desired **Password**. The **Web Interface** is not password protected by Select **Next**. (Figure 4)

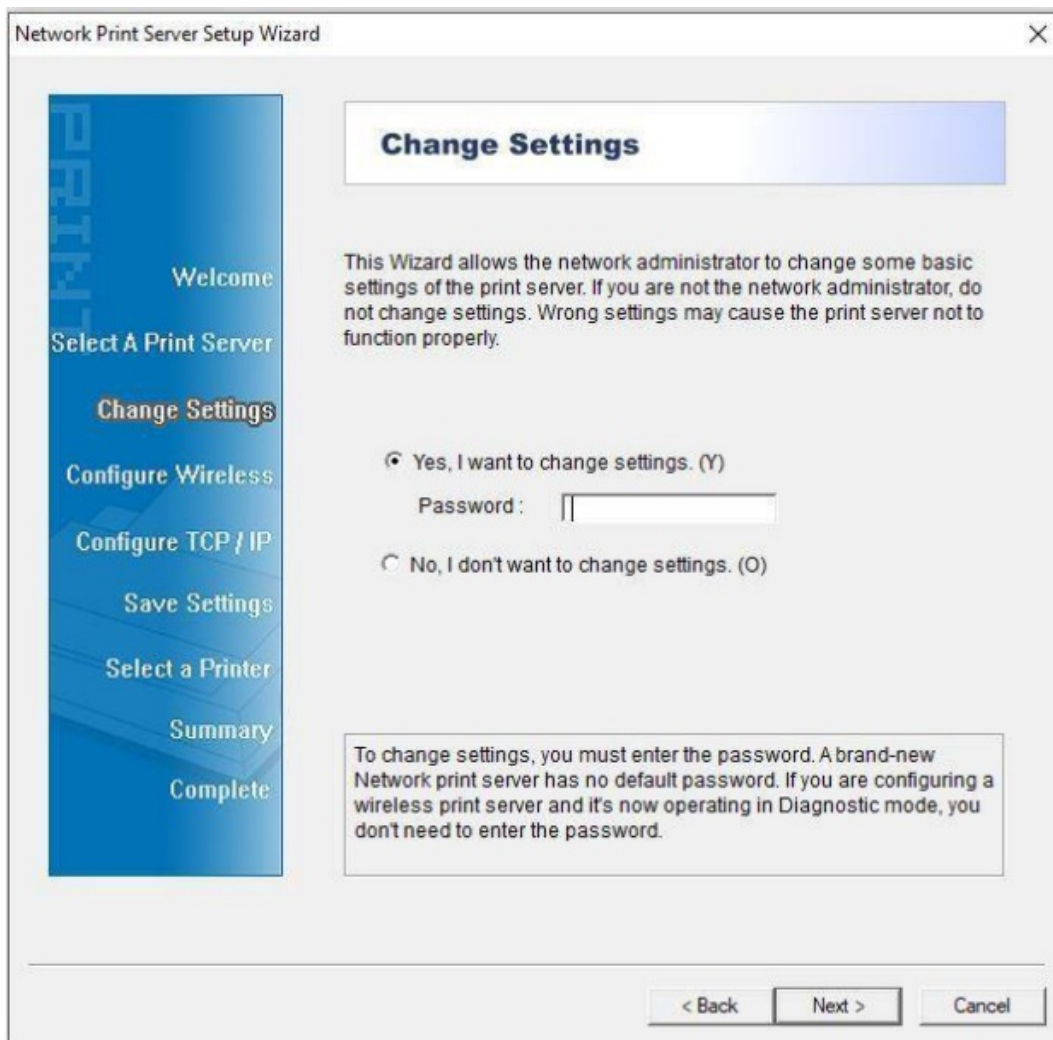


Figure 4

7. At the **Basic Wireless Settings** screen, change the **Communication Type** to **Infrastructure**. Change the **SSID** to the **Name of the Wireless Network** that the **Print Server** is to connect to. The other settings can be left unchanged. Select **Next**. (Figure 5)

Network Print Server Setup Wizard

Basic Wireless Settings

Configure the following wireless settings on the print server. These settings must match your wireless network for the print server to communicate with all computers over a wireless connection.

Communication Type : Infrastructure

SSID : Basement

Channel Number : 6

Data Transmit Rates : Auto

Transmit Mode : Auto

1. In Infrastructure (Access Point) mode, the wireless network print server will communicate with network computers through an Access Point.

2. In Ad-Hoc or 802.11b Ad-Hoc mode, wireless devices communicate with each other directly.

If the communication type is 'Infrastructure (Access Point)', you do not have to enter the Channel number used by the Access Point.

< Back Next > Cancel

Figure 5

8. At the **Wireless Security** screen, select the correct **Authentication Type** for the wireless network. The field for **Encryption** type will then Input the **Pre-shared Key**, also known as the **Wi-Fi Password**, for the Network. (Figure 6)**Note:** The most common **Encryption** type is WPA2-PSK (CCMP), also known as WPA2-AES. This may vary, depending upon the **Wireless Router**.

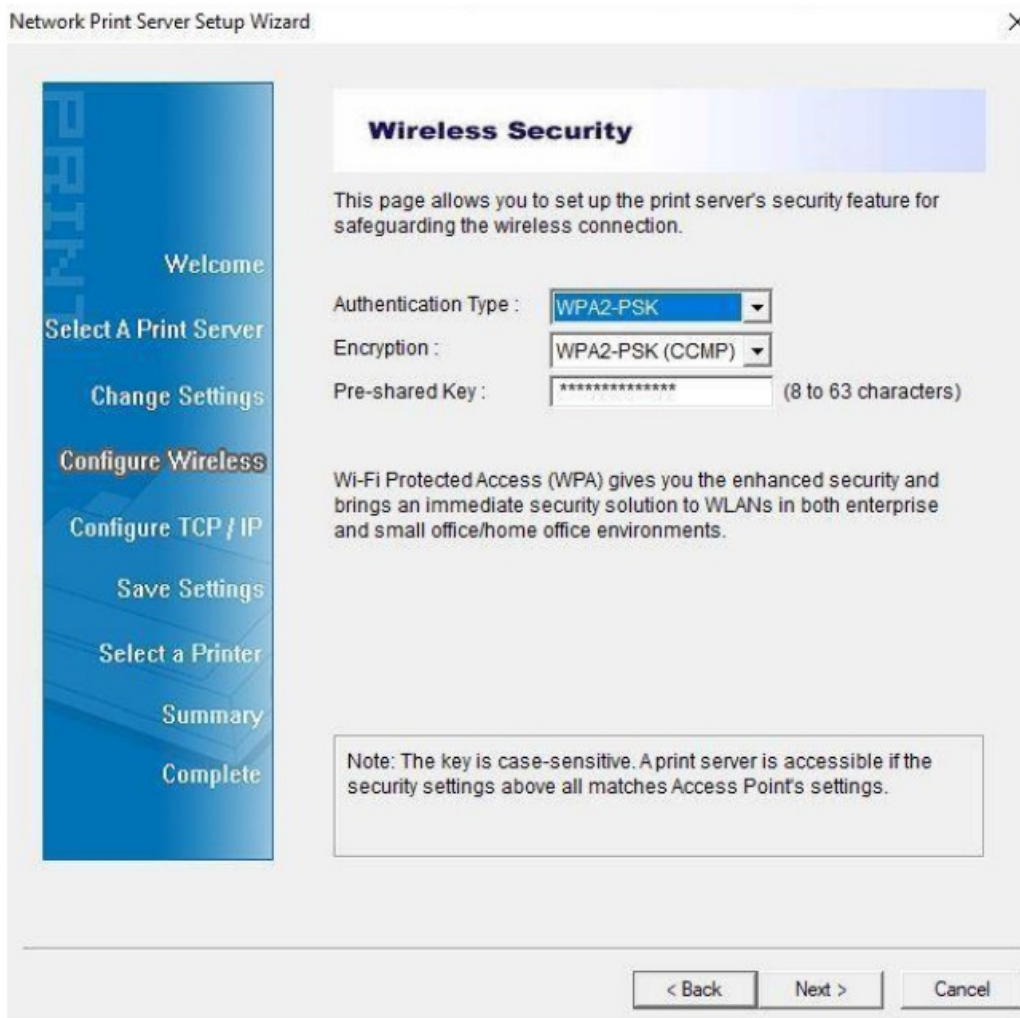


Figure 6

9. At the **TCP/IP Settings** screen, select **Specify an IP address**. This gives the product a static IP. Enter the desired **IP Address**, **Mask IP Address** (subnet mask), and the **Gateway IP Address**. Select **Next**. (Figure 7)
- Note:** A **Gateway IP Address** is not typically required.

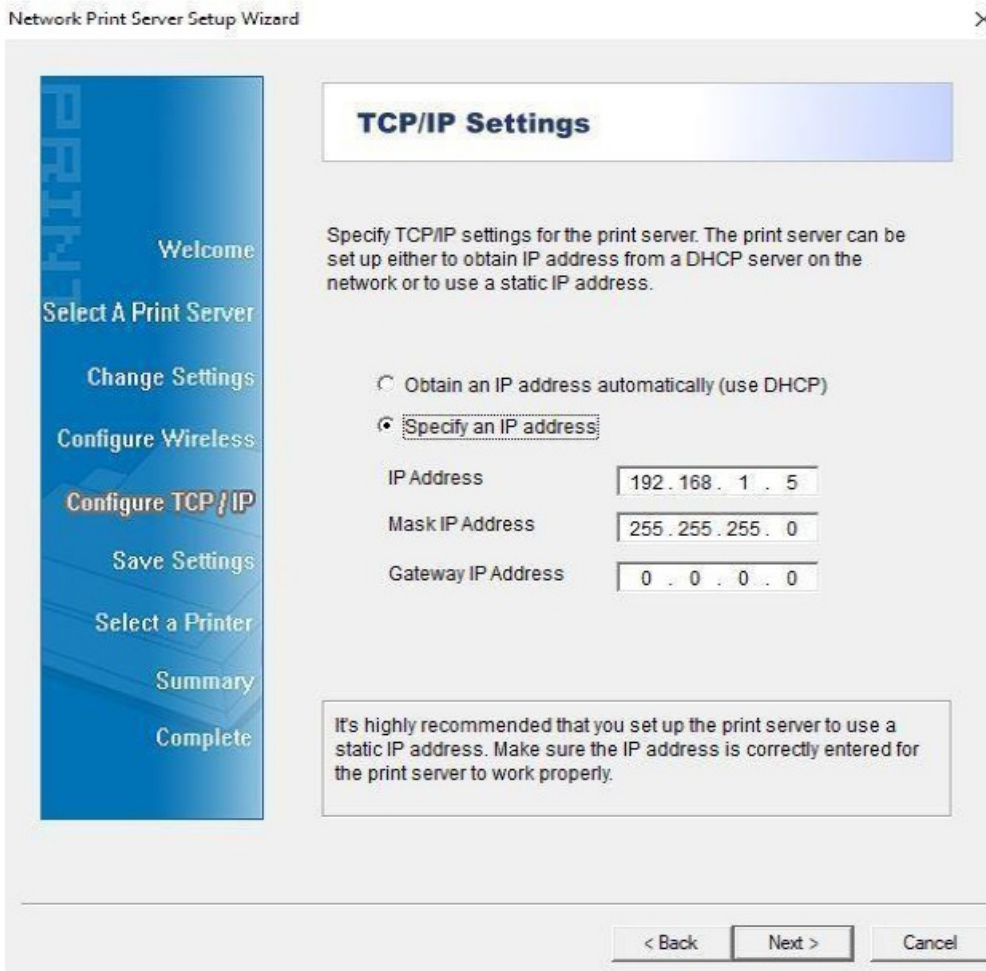


Figure 7

10. At the **Confirm Settings** screen, check for any configuration Select **Next**. (Figure 8)

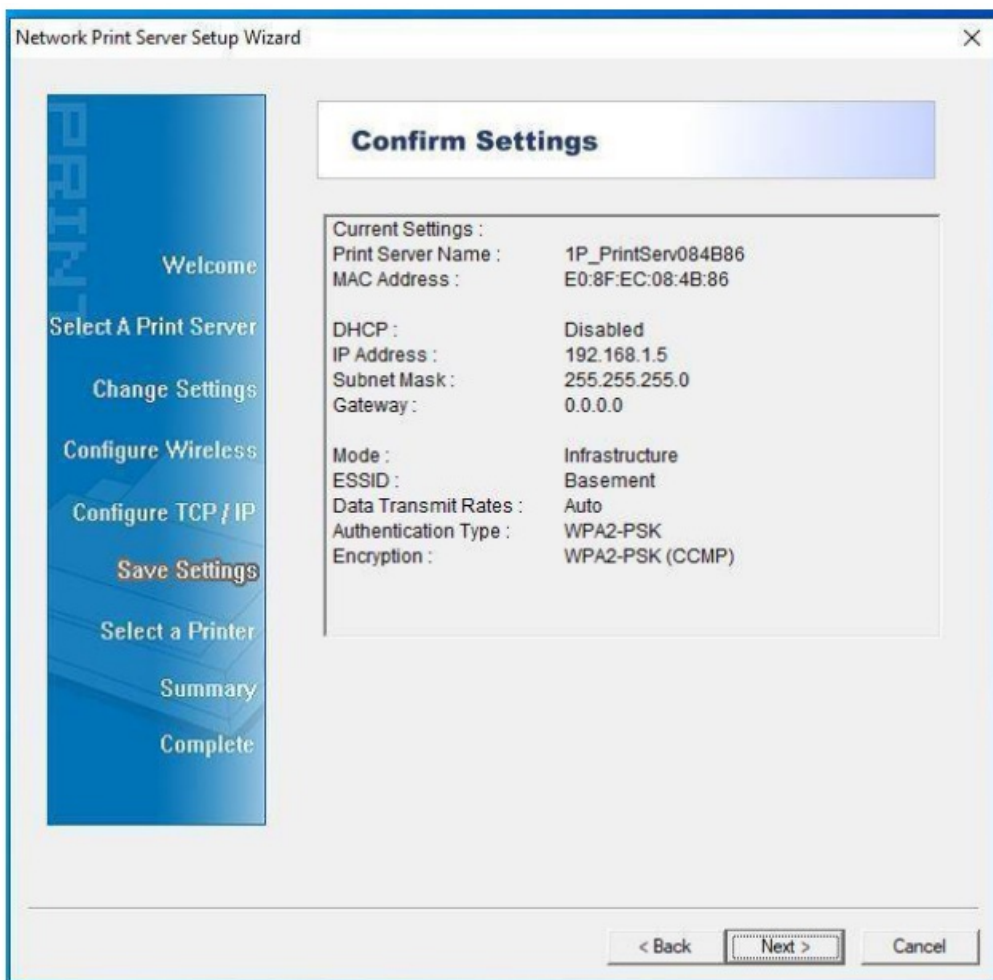


Figure 8

11. At the **Select a Printer** screen, select the desired **Printer** to use with the **Print Server**. If the desired **Printer** does not appear in the list, select **Add New Printer** and complete the steps required to add a new **Printer**. Select **Next**. (Figure 9)

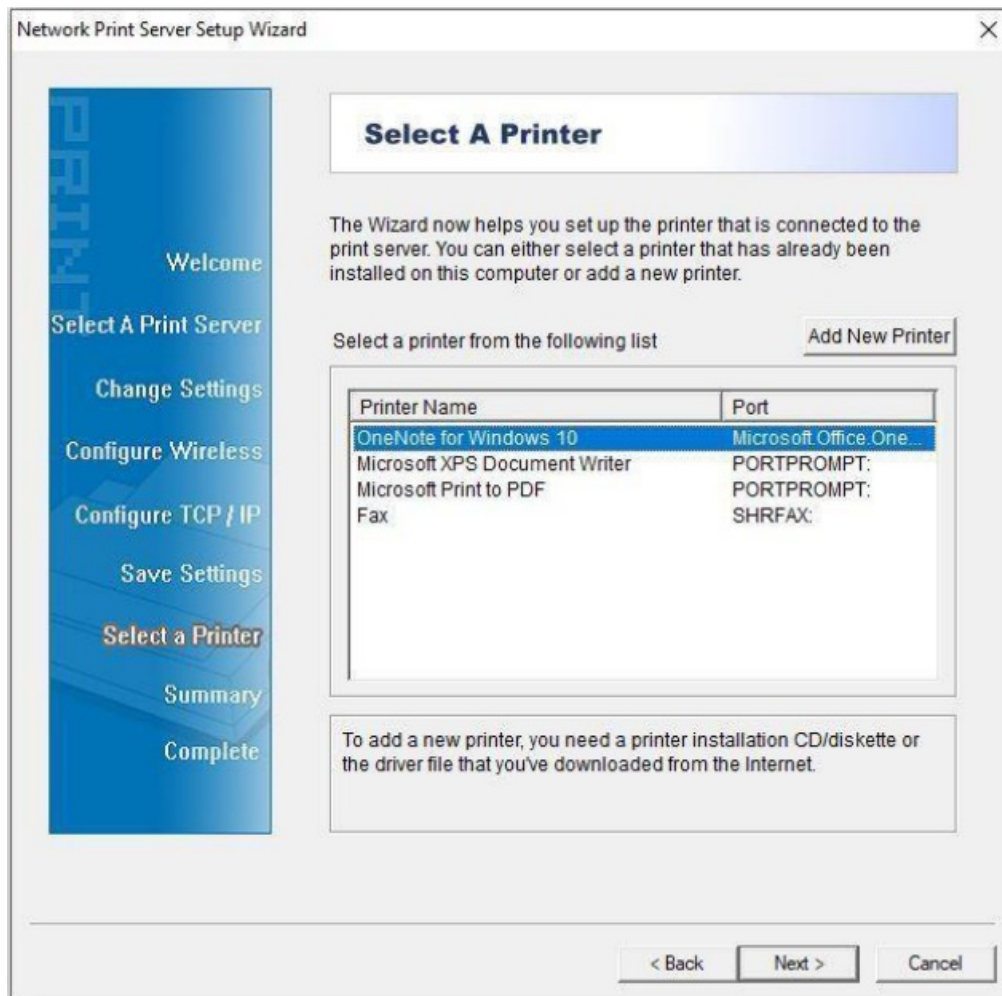


Figure 9

12. At the **Confirm Settings** screen, check for any configuration Select **Next**. (Figure 10)

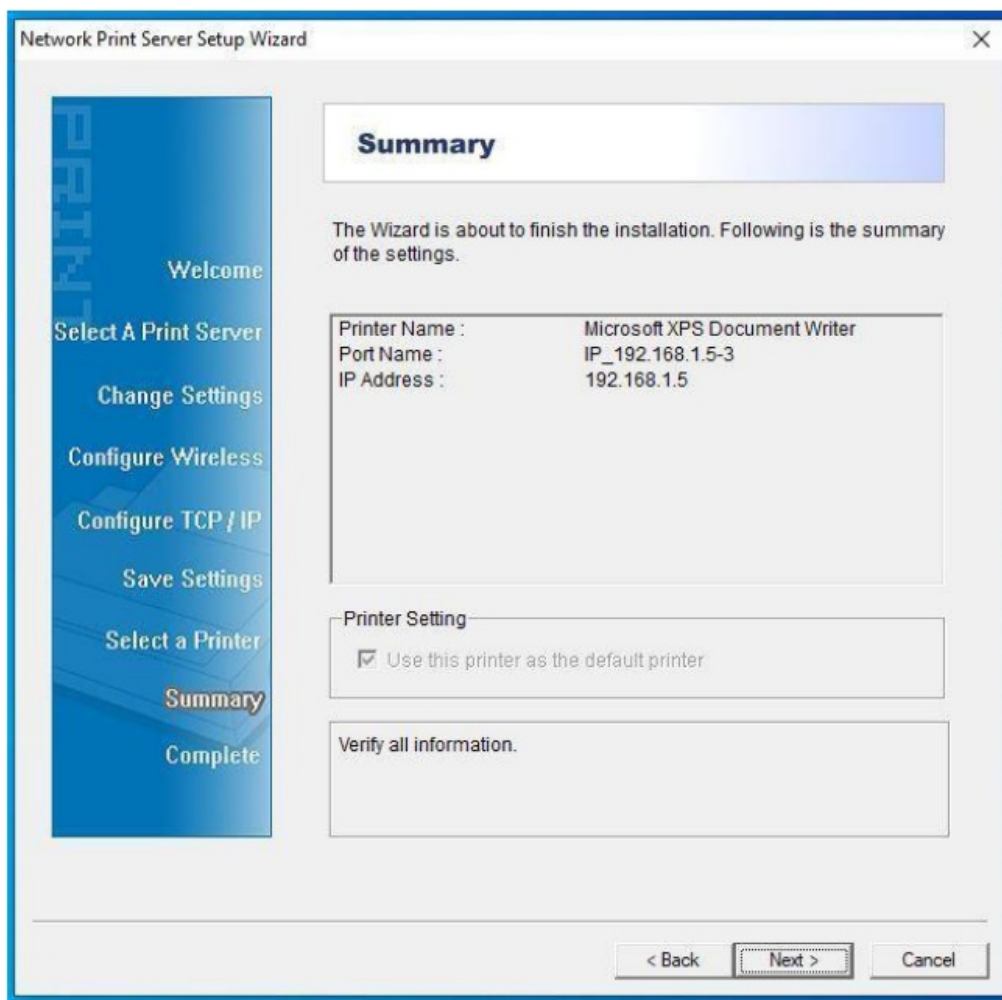


Figure 10

13. At the **Installation Complete!** screen, select **Finish**. Disconnect the **RJ45 Network Cable** from the **Print Server**. Position the **Print Server** near the **Printer**. Connect the **Power Adapter** to the **DC Jack**, located on the back of the **Print Server**. Connect the **Print Server** to the Printer, using an appropriate **USB Printer Cable**. (Figure 11)

Note: The **RJ45 Network Cable** is no longer required for the **Print Server**

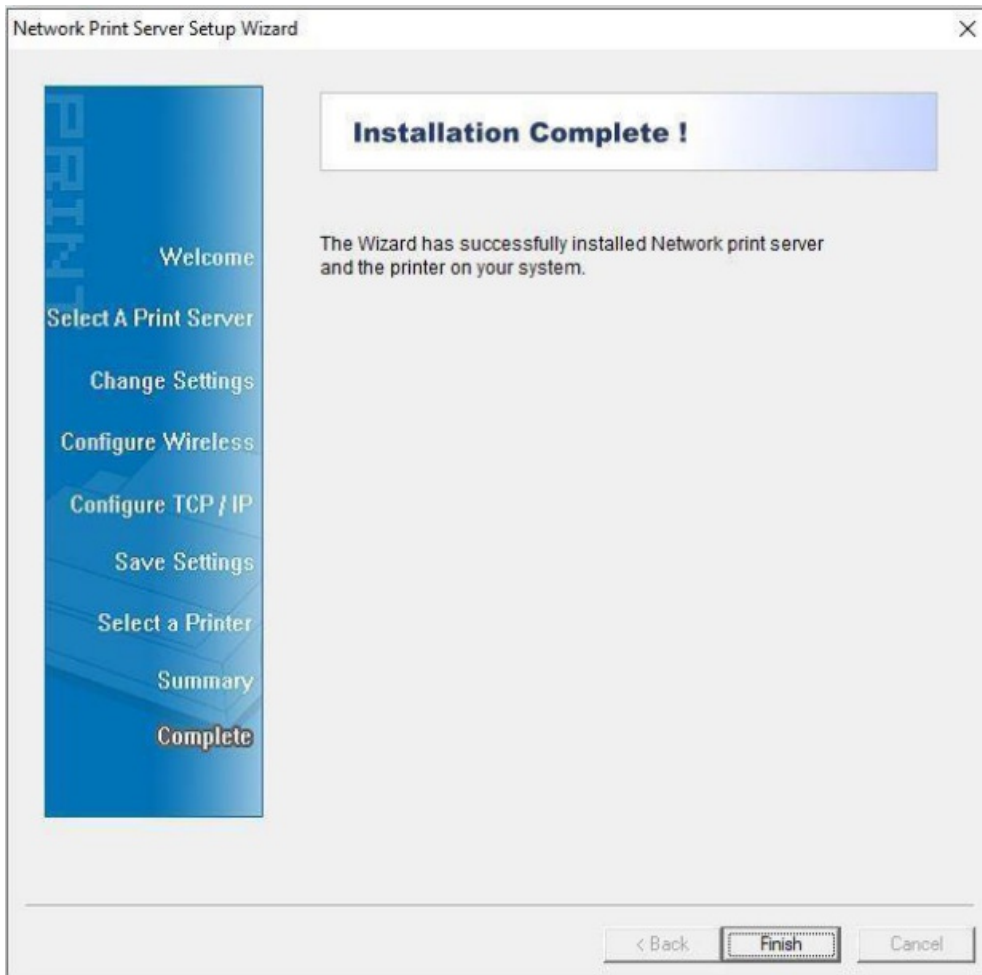


Figure 11

Upon completion of the [Basic Software Installation](#) steps, a Networked Printer can be added to any Computer within the Subnet by following the instructions in the [Setting Up a Printer in Windows](#) or [Setting Up a Printer in macOS](#) sections.

Advanced Software Installation

1. Connect the Power Adapter to the DC Jack, located on the back of the Print Server.
2. Wait ~40 seconds for the Print Server's Power On Self Test (POST) to complete.
3. Connect an RJ45 Network Cable to the Print Server and to a Network Device (e.g. network switch or wall jack).
4. Set the Network Adapter on the Computer to the following settings:
 - IP Address: 192.168.0.xxx
 - Subnet Mask: 255.255.255.0
 - Gateway: N/A
5. Access the Web Graphic User Interface (GUI) for the Print Server by entering the following into the Address Bar of a Web Browser:
 - 192.168.0.10
6. Log into the Web GUI using the following credentials, if prompted:
 - Username: admin
 - Password: (none)
7. After logging in to the Web GUI, select the Setup tab then the TCP/IP sub-tab.
8. Select Use the following TCP/IP settings.
 - Set the IP Address to an available IP address within the available address pool of the Network Device

- Set the Subnet Mask to the subnet mask of the **Network Device**. This Subnet Mask is typically 255.255.255.0
 - Set the Default Router to the IP Address of the Network **Device**
9. Select Save & Restart at the bottom of the page. Allow the **Print Server to Reboot**.
Note: If the Print Server will be utilizing a Wired Ethernet Connection, the setup is complete.
 10. Change the TCP/ IP Settings on the Computer's Network Adapter to match the Settings used in Step #8.
 11. Access the Web GUI for the Print Server by entering the IP Address selected in Step #8.
 12. If prompted, access the Web GUI for the Print Server by entering the Default Credentials listed in Step #5.
 13. After logging in to the Web GUI, select the Setup tab then the Wireless sub-tab.
 14. Select the Basic Settings section and change the Network **Type** from Ad-Hoc to Infrastructure.
 15. Scroll down to the Site Survey section and select the **Wireless Router's** SSID from the List of SSIDs, using the **Radio Buttons**, located on the left-hand side of the page.
 - If the Wireless Router's SSID does not display immediately, select the Refresh button.
 16. Select Save & Restart, located at the bottom of the page. Allow the Printer Server to reboot.
 17. Refresh the Internet Browser page to connect to the Web GUI.
 18. If prompted, access the Web GUI for the Print Server by entering the Default Credentials listed in Step #5.
 19. After logging in to the Web GUI, select the Setup tab then the Wireless sub-tab.
 20. In the Basic Settings section, the SSID should now match the SSID of the Wireless Network. If the SSIDs do not match, return to Step #14.
 21. In the Advanced Settings section, select the correct Authentication Type for the Wireless Network Device.
 Most networks use WPA2-PSK. However, this will vary depending on how the Wireless Network Device was configured.
Note: Consult the Manual for the Wireless Network Device to determine the best way to verify the Authentication Type.
 22. In the Advanced Settings section, select the correct Encryption Type for the Wireless Network Device. Most networks default to the Encryption Type of AES (CCMP). However, this will vary depending on how the Wireless **Network Device** was configured.
Note: Consult the **Manual for the Wireless Network Device** to determine the best way to verify the **Encryption Type**.
 23. In the Advanced Settings section, enter the Wi-Fi Password in the Network Security Key text box.
 24. Select Save & Restart, located at the bottom of the page.
 Allow the Printer Server to reboot.
 25. Refresh the Internet Browser page to connect to the Web GUI.
 26. If prompted, access the Web GUI for the Print Server by entering the Default Credentials listed in Step #5.
 27. After logging in to the Web GUI, select the Setup tab then the Wireless sub-tab.
 28. The Wireless Network Information will now display in the Web GUI. In the Basic Settings section, the SSID should now match the SSID of the Wireless Network. If the SSIDs do not match, return to Step #14.
 29. Disconnect the RJ45 Network Cable from the Print Server.
 Position the Print Server near the Printer. Connect the Power Adapter to the DC Jack, located on the back of the Print Server. Connect the Print Server to the Printer, using an appropriate USB Printer Cable.
Note: The **RJ45 Network Cable** is no longer required for the **Print Server**.

Upon completion of the Advanced Software Installation steps, a Networked Printer can be added to any Computer within the Subnet by following the instructions in the Setting Up a Printer in Windows or Setting Up a Printer in

macOS sections.

Setting Up a Printer in Windows

1. Navigate to the Control Panel screen and select the Devices and Printers icon. (Figure 12)

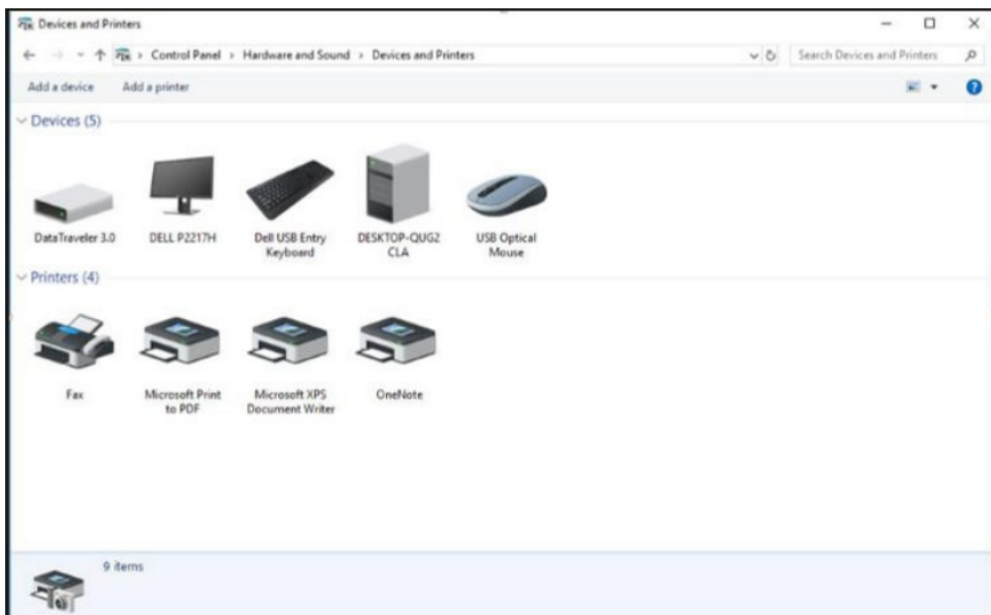


Figure 12

2. Select Add a Printer, located at the top of the screen.
3. On the Add a Device screen, select The printer that I want isn't listed. (Figure 13)

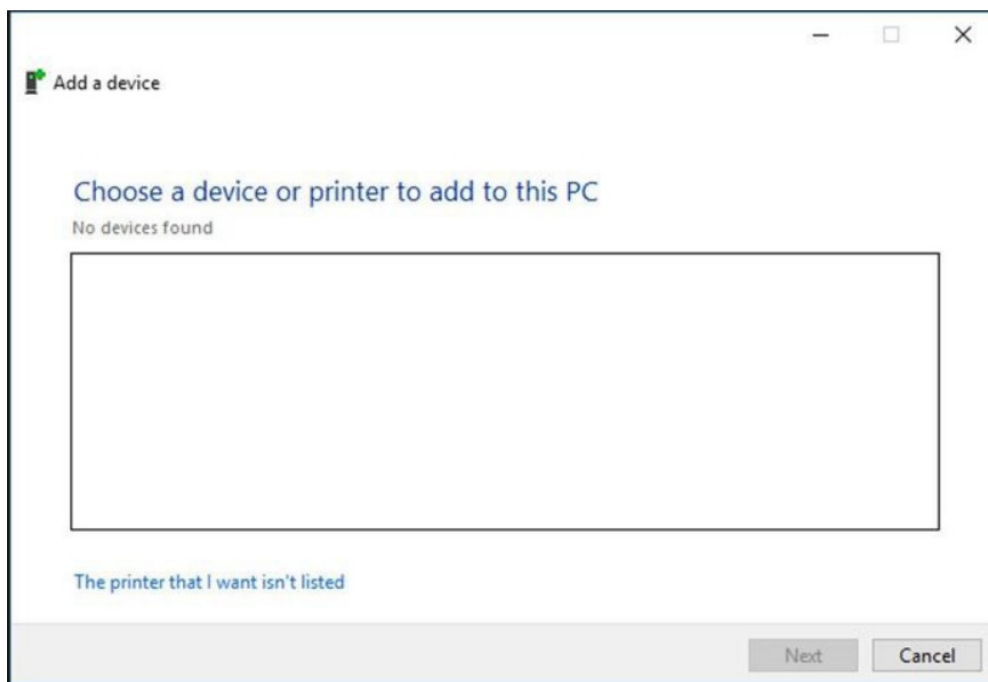


Figure 13

4. On the Add Printer screen, select Add a printer using a TCP/IP address or hostname. Select Next. (Figure 14)

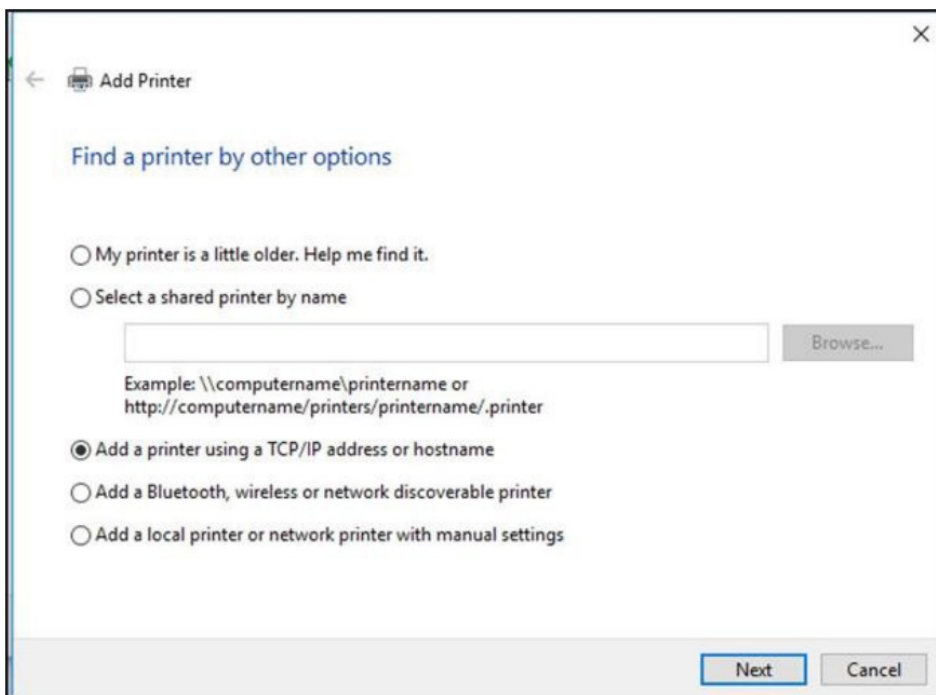


Figure 14

5. On the Add Printer screen, under the Hostname or IP address field, enter the IP Address assigned to the Print Server. Select Next. Windows will detect the TCP/IP port and will transition to the next screen automatically. (Figure 15)

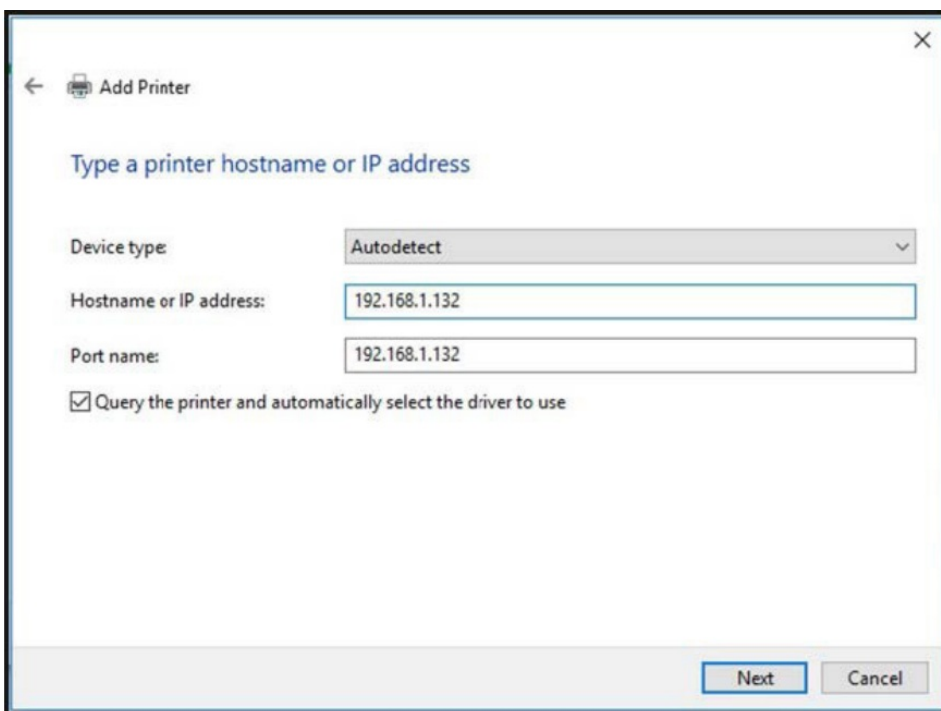


Figure 15

6. Set the Device Type field to Custom. Select Settings. (Figure 16)

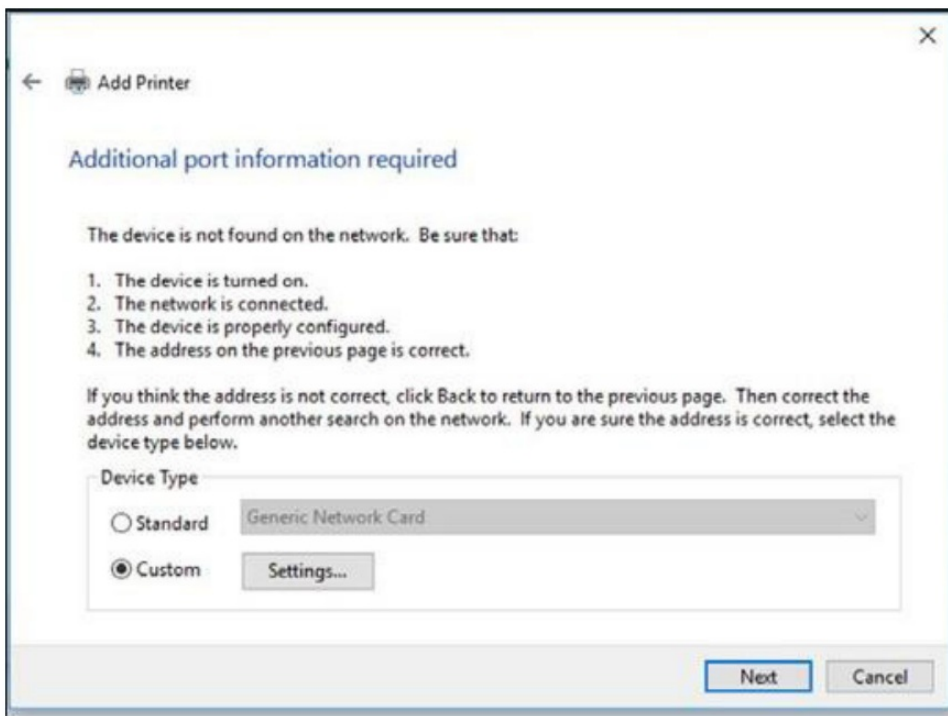


Figure 16

7. On the Configure Standard TCP/IP Port Monitor screen, set the **Protocol** to **LPR**.
8. On the Configure Standard TCP/IP Port Monitor screen, under the LPR Settings field, enter Ip1 into the Queue **Name** field. Select OK. (Figure 17)

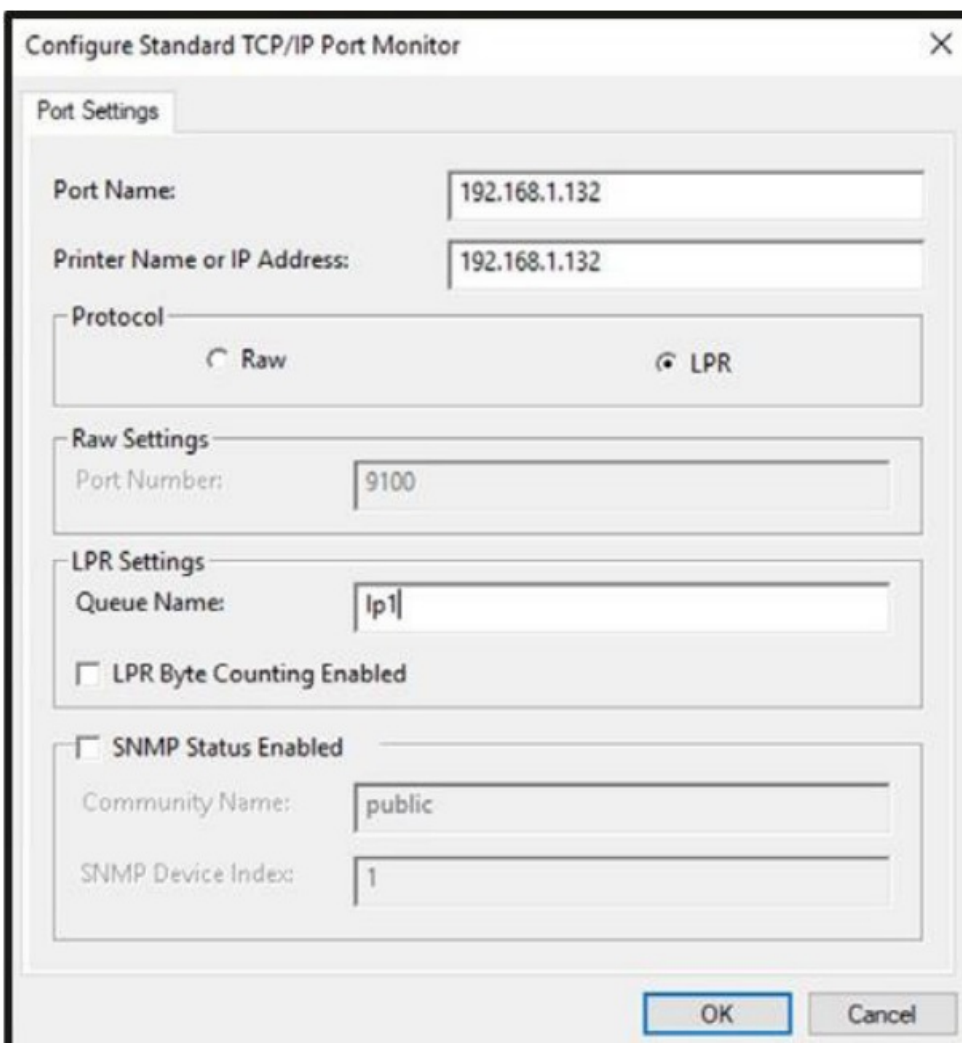


Figure 17

9. The Add Printer screen will appear. Select Next.

10. Windows will attempt to automatically detect the Driver for the Printer.

- If Windows fails to detect the Driver for the Printer, select the Printer's Manufacturer and Model from the Install the Printer Driver screen.
- If the Printer's Manufacturer and Model do not appear in the Install the Printer Driver screen, select Windows Update to update the list of Printer Models. Please note, this update may take several minutes. When the Window's Update has completed, select the Printer's Manufacturer and Model from the Install the Printer Driver screen.

11. Windows will install the Driver for the Printer. When the installation is complete, select Finish.

Setting Up a Printer in macOS

1. Select the System Preferences screen. From the System Preferences screen, select the Printers & Scanners icon. (Figure 18)

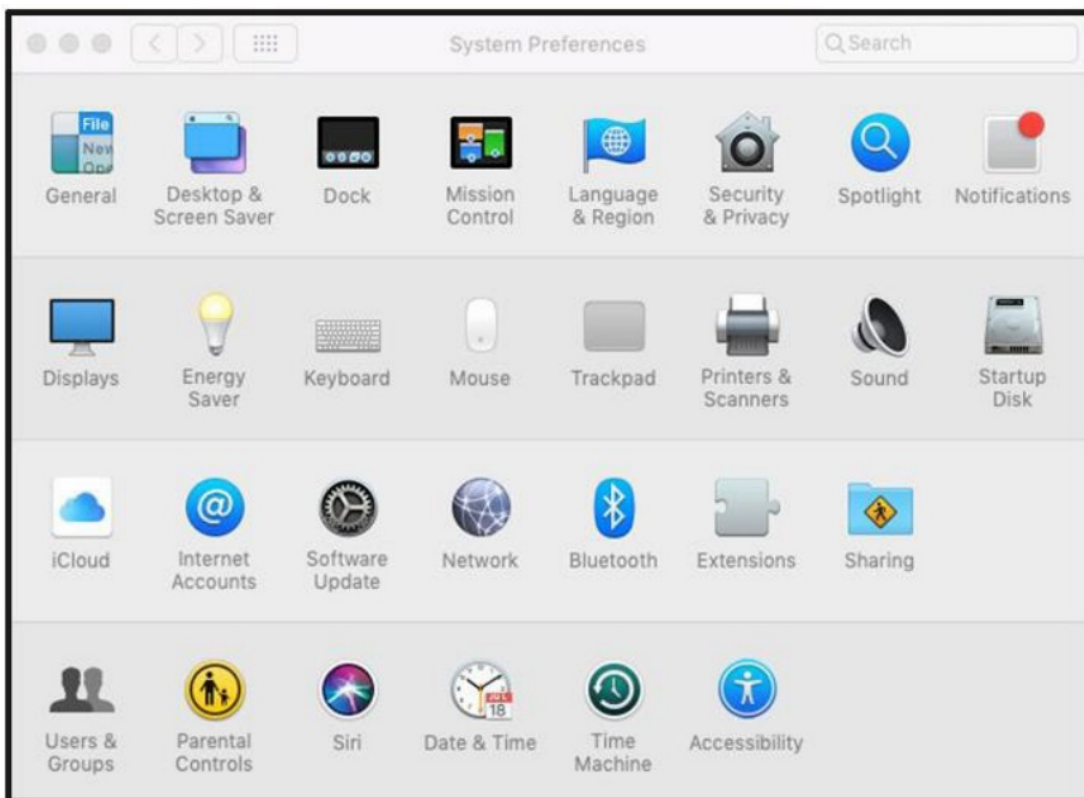


Figure 18

2. The Printers & Scanners screen will appear. From the Printers & Scanners screen, click the + icon, located on the left-hand side of the screen. (Figure 19)

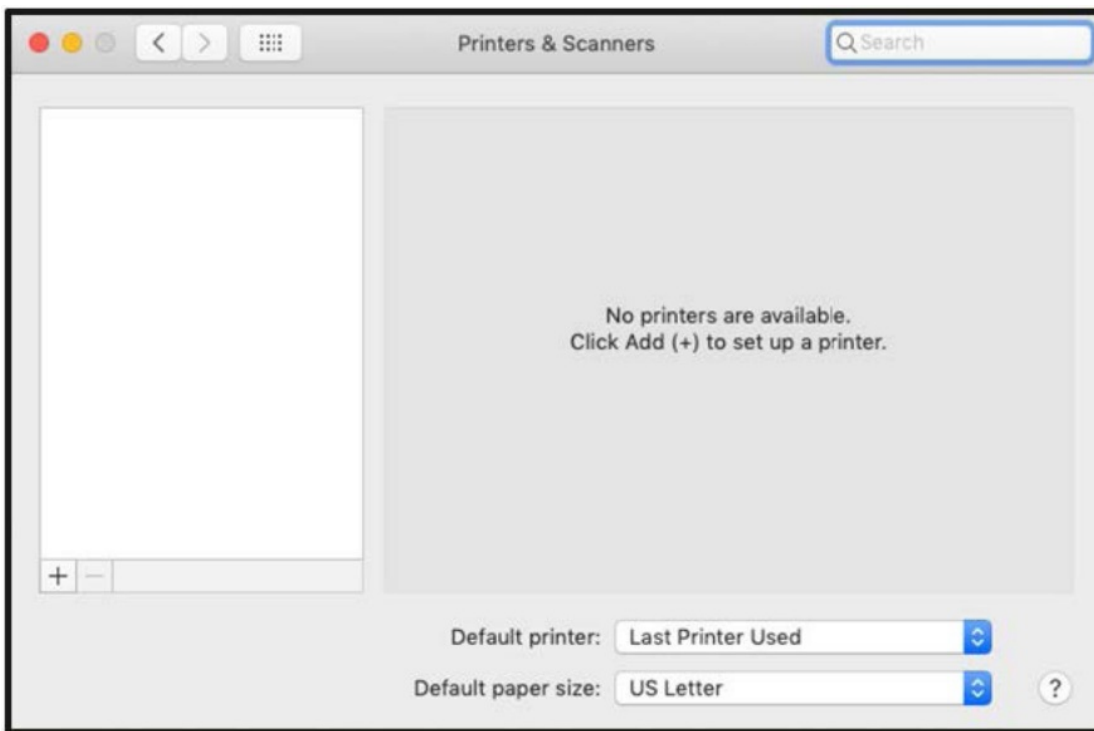


Figure 19

3. The Add screen will appear. From the Add screen, under the Default tab, select the Printer and select the Add button. (Figure 20)

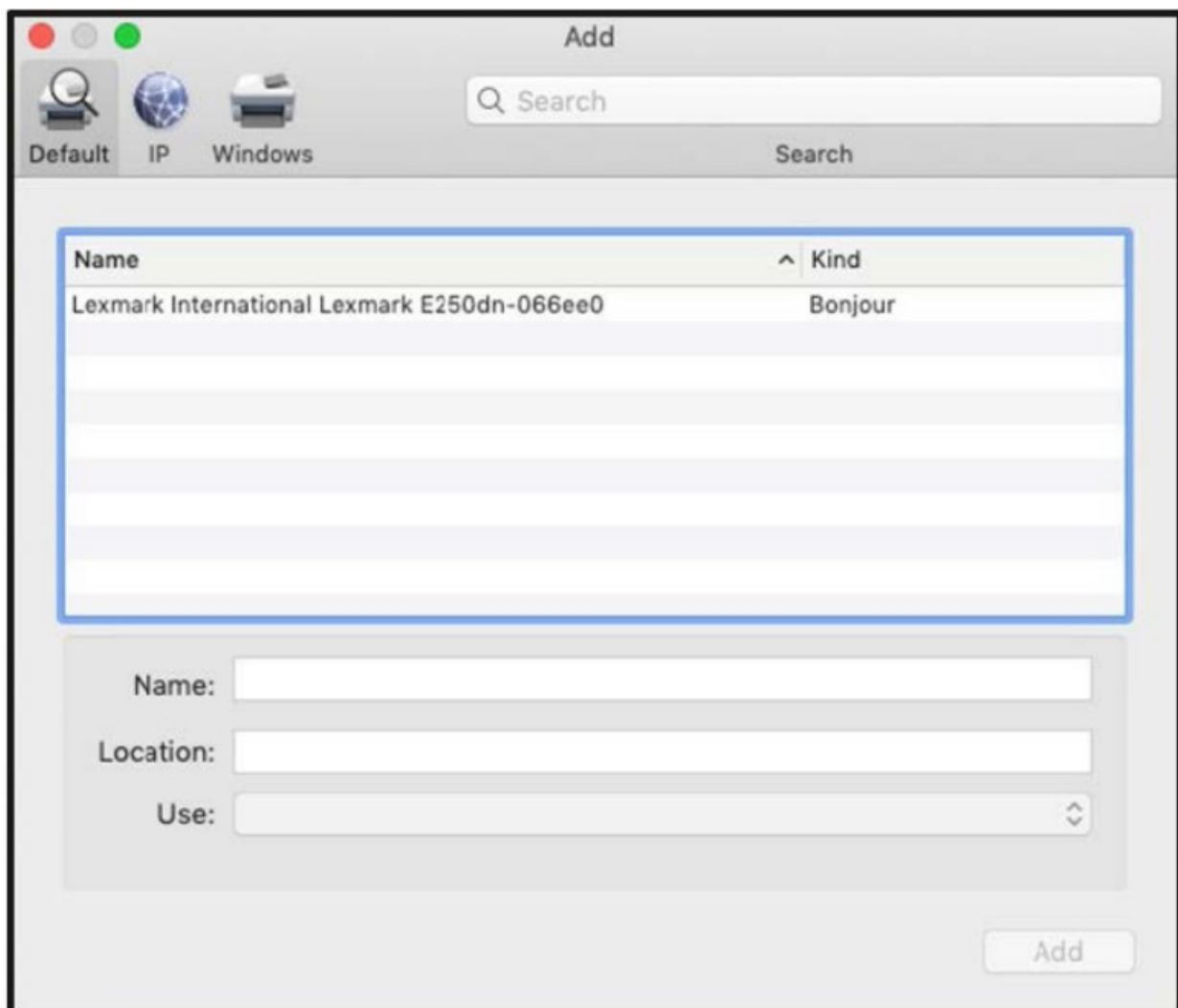


Figure 20

4. If the Printer does not appear, select the IP tab, located at the top of the screen. (Figure 21)

The screenshot shows a window titled "Add" with three tabs: "Default", "IP", and "Windows". The "IP" tab is selected. Inside the window, there are two main sections. The top section contains:

- Address:** A text field with "169.254.10.10" and a hint "Valid and complete host name or address."
- Protocol:** A dropdown menu showing "Line Printer Daemon - LPD".
- Queue:** A text field with "lp1" and a hint "Leave blank for default queue."

 The bottom section contains:

- Name:** A text field with "169.254.10.10".
- Location:** An empty text field.
- Use:** A dropdown menu showing "Generic PostScript Printer" with a warning below it: "The selected printer software isn't from the manufacturer and may not let you use all the features of your printer."

 An "Add" button is located at the bottom right of the window.

Figure 21

5. Enter the following credentials under the IP tab:

- **Address:** (IP Address of the Print Server)
- **Protocol:** Line Printer Daemon – LPD
- **Queue:** lp1

6. The Wizard will automatically attempt to detect the Driver for the Printer. When the Wizard selects a Driver, select the Add button.

Operation

LED Indicators

LED	State	Indication
Status	Blinking for POST (Yellow)	When power is connected, the Status LED Indicator will flash five times, and then go solid.
USB	On (Green)	Connection established with a USB Printer
WLAN	On (Yellow)	Wireless Network Connection established

Reset Button

Reboot the Print Server

1. Ensure the Power Adapter is connected to the DC Jack, located on the back of the Print Server, and that the Print Server is receiving power.
2. Press and release the Reset Button once.
Note: Resetting the Print Server will stop all ongoing/ pending printing jobs.

Print a Self-Test Page

1. Ensure the Power Adapter is connected to the DC Jack, located on the back of the Print Server, and that the Print **Server** is receiving power.
2. Press the Reset Button for 8 Seconds, then Release the **Reset Button**.
3. A Test Page including the current print server settings will print.

Reset to the Factory Default Settings

Warning! The following steps will erase all of the current Print Server settings.

1. Disconnect the Power Adapter from the DC Jack, located on the back of the Print Server.
2. Press and Hold the Reset Button while reconnecting the Power Adapter to the DC Jack, located on the back of the Print Server. Continue to Hold the Reset Button for 5 Seconds, then Release the Reset Button. The Print Server will restart with the Factory Default settings.

Troubleshooting

Power Related Issues

Problem	Solution
<ul style="list-style-type: none">• The Print Server is not receiving adequate power.	<ul style="list-style-type: none">• Inspect the Power Adapter Cable/ Connectors for damage.
<ul style="list-style-type: none">• The Print Server is not receiving adequate power and/or the Print Server is running too hot	<ul style="list-style-type: none">• Ensure the voltage of the AC Power Adapter matches the AC voltage of the Power Source. Warning! <i>Using an incompatible AC Power Adapter will damage the Print Server.</i>

TCP/IP Troubleshooting

Problem	Solution
<ul style="list-style-type: none">• The Print Server's IP Address is identical to the Computer's IP Address.	<ul style="list-style-type: none">• Contact the Network Administrator to obtain an unused IP Address for the Print Server

Printing Issues

Problem	Solution
<ul style="list-style-type: none">Print jobs are sent to the print queue successfully, but fail to print.	<ul style="list-style-type: none">Possible explanations:<ol style="list-style-type: none">The Print Server Name/Print Queue configuration is incorrect.The Print Server Name does not match the Name in the Print Server's memory.The Power Adapter connected to the Print Server is loose or disconnected.The Printer is off-line, jammed or out of paper.Solutions:<ol style="list-style-type: none">Check all the information in the Print Port Settings.Check all the information for the Print Server by running PSAdmin.Inspect the Power Adapter Cable/ Connectors for damage and ensure the Power Adapter is connected to the Print Server and to a Power Source.Recheck the Print Server connection by running the PS Admin.

<ul style="list-style-type: none"> • Print jobs start printing, but print very slowly or print unknown characters. 	<ul style="list-style-type: none"> • Possible explanation and solution: <ul style="list-style-type: none"> ◦ A Printer Driver is missing or is incompatible with that Printer. Using a Print Driver that is not specific for the Printer can cause printing errors. Install the proper Printer Driver. If these Printer Drivers are not available online, please contact the Printer Manufacturer.
<ul style="list-style-type: none"> • The upgrading process indication bar stops and does not seem to proceed again while upgrading the print server. 	<ul style="list-style-type: none"> • Possible Explanation: <ul style="list-style-type: none"> ◦ There might be a network problem. This causes the upgrading procedure to fail. • Solutions: <ul style="list-style-type: none"> ◦ Check the Wireless Network Connection, especially from the Computer running the PSAdmin to the Print Server. ◦ Download the latest Software for the Print Server, located at one of the following locations: www.startech.com/PM1115UW www.startech.com/PM1115UWEU
<ul style="list-style-type: none"> • The Setup Wizard cannot find the Print Server. 	<ul style="list-style-type: none"> • Possible Explanation: <ul style="list-style-type: none"> ◦ The Personal Firewall is blocking the Network Connection to the Print Server • Solution: <ul style="list-style-type: none"> ◦ Disable the Personal Firewall or adjust the Network Security Level to a lower level

Warranty Information

For further information on product warranty terms and conditions, please refer to www.startech.com/warranty.

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 User Manual StarTech.com PM1115UW, PM1115UWEU	StarTech.com PM1115UW, PM1115UWEU Wireless N USB 2.0 Network Print Server [pdf] User Manual PM1115UW PM1115UWEU Wireless N USB 2.0 Network Print Server, PM1115UW PM1115UWEU, Wireless N USB 2.0 Network Print Server, USB 2.0 Network Print Server, Network Print Server, Print Server, Server
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References

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