

Wireless N USB 2.0 Network Print Server



Actual product may vary from photos

User Manual

SKUs: PM1115UW, PM1115UWEU

For the latest information and specifications visit
www.startech.com/PM1115UW

Manual Revision: 11/09/2021

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.

Cet appareil numérique de la classe [B] est conforme à la norme NMB-003 du Canada.

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.

Déclaration d'exposition à la radiation

Cet équipement respecte les limites d'exposition aux rayonnements IC définies pour un environnement non contrôlé. Cet équipement doit être installé et mis en marche à une distance minimale de 20 cm qui sépare l'élément rayonnant de votre corps.

L'émetteur ne doit ni être utilisé avec une autre antenne ou un autre émetteur ni se trouver à leur proximité.

FCC ID: 2AA3I-PM1115UWB

IC: 11232A-PM1115UWB

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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.

Mesures de sécurité

- Les terminaisons de câblage ne doivent pas être effectuées lorsque le produit et/ou les câbles électriques sont sous tension.
- Les câbles (y compris les câbles d'alimentation et de chargement) doivent être placés et acheminés de façon à éviter tout risque électrique, de chute ou de sécurité

安全対策

電源が入っている状態の製品または電線の終端処理を行わないでください。ケーブル(電源ケーブルと充電ケーブルを含む)は、適切な配置と引き回しを行い、電気障害やつまづきの危険性など、安全上のリスクを回避するようにしてください。

Misure di sicurezza

- I terminali dei fili elettrici non devono essere realizzate con il prodotto e/o le linee elettriche sotto tensione.
- I cavi (inclusi i cavi di alimentazione e di ricarica) devono essere posizionati e stesi in modo da evitare pericoli di inciampo, rischi di scosse elettriche o pericoli per la sicurezza.

Säkerhetsåtgärder

- Montering av kabelavslutningar får inte göras när produkten och/eller elledningarna är strömförda.
- Kablar (inklusive elkablar och laddningskablar) ska dras och placeras på så sätt att risk för snubblingsolyckor och andra olyckor kan undvikas.

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.

Varningsmeddelanden

- Läs hela manualen och se till att du förstår instruktionerna innan du börjar montera och använda produkten.
- Produkten är endast avsedd för användning inomhus och ska inte användas utomhus.

Waarschuwingen

- Lees de gehele handleiding en zorg dat u de instructies begrijpt voordat u dit product in elkaar zet en gebruikt.
- Dit product is alleen bedoeld voor binnengebruik en mag niet buiten worden gebruikt.

注意

- 最初に取扱説明書を最後まで読み、本製品の組み立て方をすべて理解してから組み立て作業を始めて下さい。
- 本製品は、室内での使用を想定しています。戸外では使用しないで下さい。

Dichiarazioni di avvertenza

- Leggere l'intero manuale e assicurarsi di aver compreso tutte le istruzioni prima di iniziare ad assemblare e a utilizzare questo prodotto.
- Il prodotto è destinato all'uso in ambienti interni. Se ne sconsiglia l'impiego in ambienti esterni.

Avertissements

- Lisez tout le manuel et assurez-vous que vous comprenez les instructions avant de commencer à assembler et utiliser ce produit.
- Ce produit est uniquement destiné à une utilisation en intérieur et ne doit pas être utilisé à l'extérieur.

Mensagens de aviso

- Leia todo o manual e certifique-se de que entende as instruções antes de começar a montar e a utilizar este produto.
- Este produto destina-se apenas a uma utilização no interior e não deve ser utilizado no exterior.

Advertencias de uso

- Lea todo el manual y asegúrese de haber comprendido bien las instrucciones antes de proceder con el ensamblaje y el uso de este producto.
- El uso de este producto es solo para interiores y no debe utilizarse en exteriores.

Warnhinweise

- Bevor Sie dieses Produkt montieren und verwenden, lesen Sie das gesamte Handbuch und vergewissern Sie sich, dass Sie die Anweisungen verstanden haben.
- Dieses Produkt ist nur zum Gebrauch in Innenräumen vorgesehen und sollte nicht im Freien verwendet werden.

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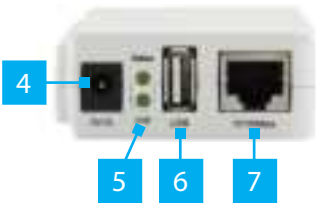
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Product Diagram

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 complete.
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 PM1115UW 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 purposes. 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 installation. (Figure 1)



Figure 1

- 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 default. 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)



Figure 5

8. At the **Wireless Security** screen, select the correct **Authentication Type** for the wireless network. The field for **Encryption** type will then appear. 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** information. 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 errors. 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 errors. 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.

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

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 **lp1** 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)



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**

- 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

- 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.
- 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
The Print Server is not receiving adequate power.	Inspect the Power Adapter Cable/ Connectors for damage.
The Print Server is not receiving adequate power and/or the Print Server is running too hot	Ensure the voltage of the AC Power Adapter matches the AC voltage of the Power Source. <i>Warning! Using an incompatible AC Power Adapter will damage the Print Server.</i>

TCP/IP Troubleshooting

Problem	Solution
The Print Server's IP Address is identical to the Computer's IP Address.	Contact the Network Administrator to obtain an unused IP Address for the Print Server

Printing Issues

Problem	Solution
• Print jobs are sent to the print queue successfully, but fail to print.	• Possible explanations: 1. The Print Server Name/Print Queue configuration is incorrect. 2. The Print Server Name does not match the Name in the Print Server's memory. 3. The Power Adapter connected to the Print Server is loose or disconnected. 4. The Printer is off-line, jammed or out of paper. • Solutions: 1. Check all the information in the Print Port Settings. 2. Check all the information for the Print Server by running PSAdmin. 3. Inspect the Power Adapter Cable/Connectors for damage and ensure the Power Adapter is connected to the Print Server and to a Power Source. 4. Recheck the Print Server connection by running the PSAdmin.

• Print jobs start printing, but print very slowly or print unknown characters.	• Possible explanation and solution: • 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.
• The upgrading process indication bar stops and does not seem to proceed again while upgrading the print server.	• Possible Explanation: • There might be a network problem. This causes the upgrading procedure to fail. • Solutions: • 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
• The Setup Wizard cannot find the Print Server.	• Possible Explanation: • The Personal Firewall is blocking the Network Connection to the Print Server • Solution: • Disable the Personal Firewall or adjust the Network Security Level to a lower level

Warranty Information

This product is backed by a two-year warranty.

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

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