

10/100 Mbps Ethernet to USB 2.0 Network LPR Print Server



Actual product may vary from photos

User Manual SKU#: PM1115U2

For the latest information and specifications visit
www.startech.com/PM1115U2

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)

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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.

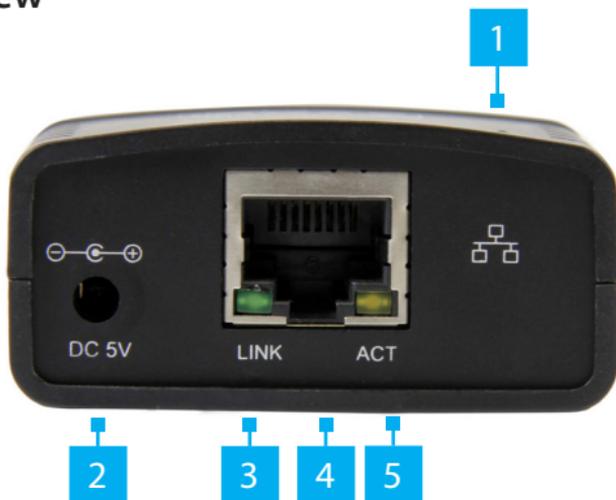
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Product Diagram

Front View



1	<i>Power LED</i>
2	<i>Power Jack</i>
3	<i>Link LED</i>
4	<i>RJ45 Port</i>
5	<i>Activity LED</i>

Rear View



1	<i>Recessed Reset Button (side)</i>
2	<i>USB-A Port</i>

Product Information

Packaging Contents

- Print Server x 1
- Universal Power Adapter (NA/UK/EU/AU) x 1
- RJ45 Cable x 1
- Driver CD x 1
- Quick-Start Guide x 1

System Requirements

Operating system requirements are subject to change. For the latest requirements, please visit www.startech.com/PM1115U2.

Operating Systems

- The **Print Server** is Operating System (OS) independent.

Hardware Installation

Installing the Power Adapter Clip

1. Remove the **Power Adapter** from the box.
2. Locate the **Power Clip** specific to your region (e.g. U.S.).
3. Align the **Power Clip** with the **Contact Prongs** on the **Power Adapter** so that the two **Tabs** on the **Power Clip** are aligned with the cutouts on the **Power Adapter**.
4. Rotate the **Power Clip** clockwise until you hear an audible click indicating that the **Power Clip** is properly attached to the **Power Adapter**.

Removing the Power Adapter Clip.

1. Push and hold the **Power Clip Release** button on the **Power Adapter** just below the **Power Clip**.
2. While holding the **Power Clip Release** button rotate the **Power Clip** counter-clockwise until the **Power Clip** releases from the **Power Adapter**.
3. Gently pull the **Power Clip** away from the **Power Adapter**.

Connecting a Printer

1. Connect a **USB 2.0 Cable** (not included) to the **USB-A Port** on the **Print Server** and the other end to a USB-A port on a **Printer**.
2. Connect the **Universal Power Adapter** to the **Power Jack** on the back of the **Print Server** and to an **AC Electrical Outlet**. The **Power LED** will illuminate green to indicate that the **Print Server** is turned on and correctly connected to the **Network**.

Software Installation

Installing the Print Server Setup Software

1. Connect an **CAT5e/6 Cable** to the **RJ45 Port** on the **Print Server** and to a **Router** or **Network Device**.
2. On the computer that's connected to the same router or network, download the drivers from www.startech.com/PM1115U2.
3. Click on the **Support** tab, under **Drivers** and select the appropriate driver package.
4. Once you have download and unzipped the driver. Click on the **Installation Guide PDF** and follow the instructions.

Setting Up the Print Server Using the Software

1. Click the **Network Printer Wizard** shortcut on your desktop.



Network Printer Wizard Shortcut

2. The **Network Printer Wizard** will appear.

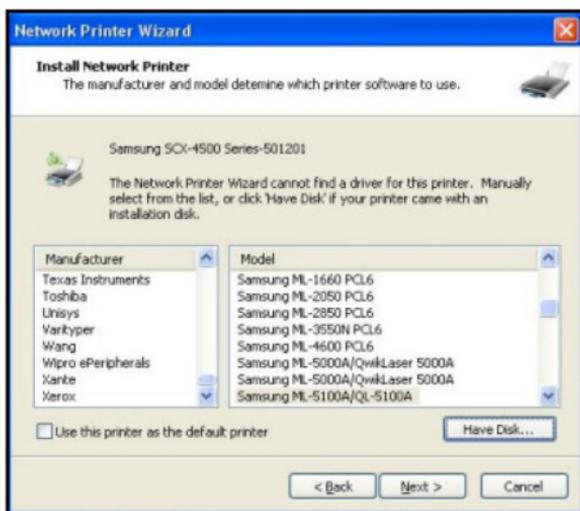


Network Printer Wizard

3. Click the **Next** button.
4. Select a **Printer** from the list to setup and click the **Next** button.

Note: *If no Printers are listed, make sure that the Printer and the LPR Print Server is powered on and connected to the network.*

5. Select a **Driver** from the list and click the **Next** button, proceed to step 9.



Select a Driver from the List

6. If the **Driver** is not listed either insert the **Driver CD** that came with the printer into the **Host Computer's CD or DVD Drive** and click the **Have Disk** button or or access the printer's manufacturer website to download the required driver.
7. Navigate to the correct **Driver** folder based on the printer and click on the **Driver** folder.
8. Select the correct **Driver** and click **Open**. The **Driver** will now appear on the list of drivers within the **Network Printer Wizard**.
9. When you have selected the correct **Driver** from the list click the **Finish** button.



Click on the Finish Button

Manually Setting up the Print Server

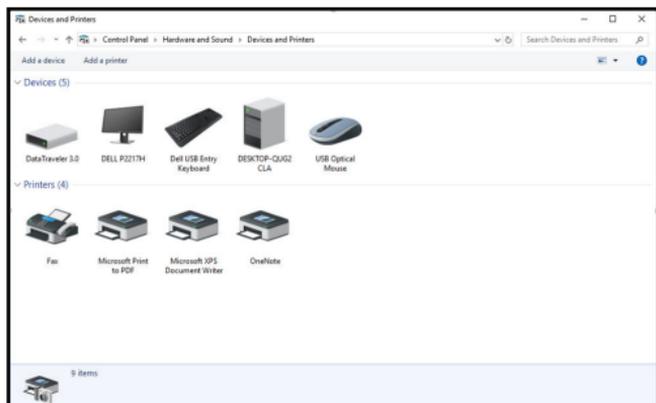
1. Connect a **CAT5e/6 Cable** to the **RJ45 Port** on the **Print Server** and to a **Computer**.
2. Set your network adapter to the following settings:
 - IP Address: 169.254.xxx.xxx
 - Subnet Mask: 255.255.0.0
 - Gateway: n/a
3. Go to the **Command Prompt**(on Windows) or **Terminal** (on macOS) and enter the command **arp -a**. The **Print Server's IP Address** and **MAC Address** will appear. The **MAC Address** will match the one on the bottom of the **Print Server**.

Note: *The Print Server may take several minutes for it to appear in the arp table.*

4. Access the web interface by entering the IP address you got from the previous step in the address bar of a web browser.
5. Set the print server to a static IP address within the subnet your computer & networking equipment is on (For further information, refer to the section [Viewing/Configuring Network Settings](#) to change the Print Server's IP Address).
6. Change the IP address for your network adapter back to its original IP address.
7. Disconnect the **CAT5e/6 Cable** from the **Computer** and connect it into a **RJ45 Port** on a **Router** or **Network Device**.
8. Add the printer using **Operating System (OS)** specific steps.

Setting Up a Printer in Windows

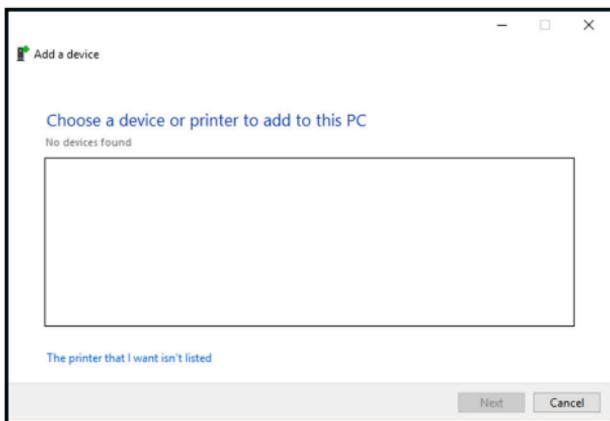
1. Navigate to the **Control Panel** screen and select the **Devices and Printers** icon.



Device and Printer Screen

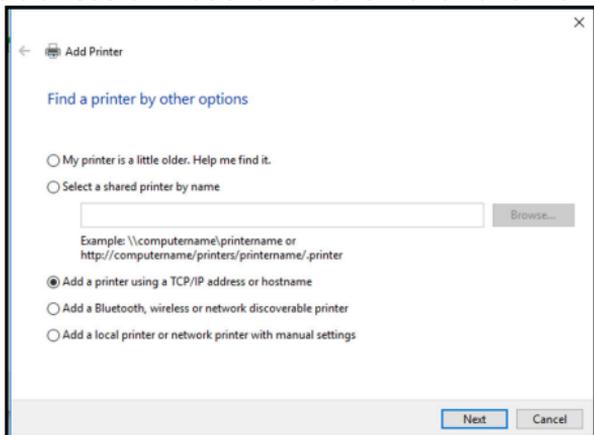
2. Click the **Add a Printer** link at the top of the screen.

3. On the **Add a Device** screen, click on the **The printer that I want isn't listed** link.



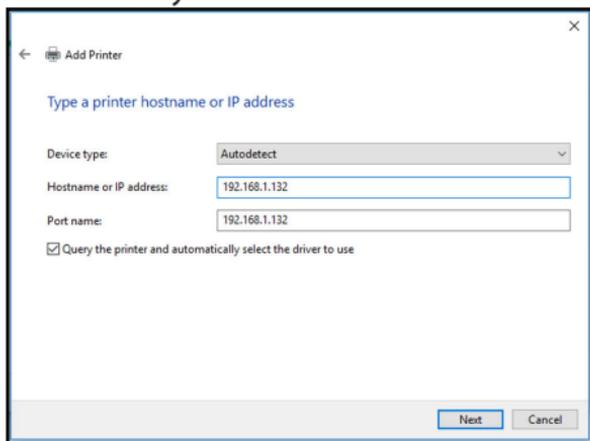
Add a Device Screen

4. On the **Add Printer** screen, select **Add a printer using a TCP/IP address or hostname** then click the **Next** button.



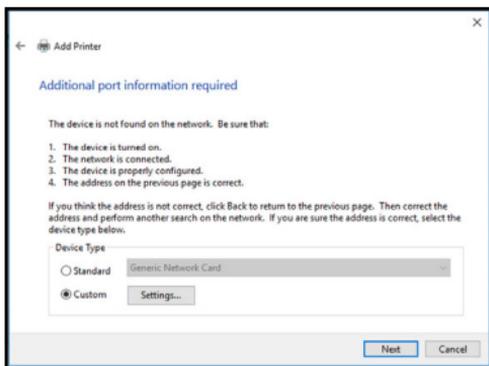
Add Printer Screen

5. On the **Hostname or IP address** field enter the IP address assigned to the print server, then click the **Next** button, Windows will detect the TCP/IP port and move to the next screen automatically.



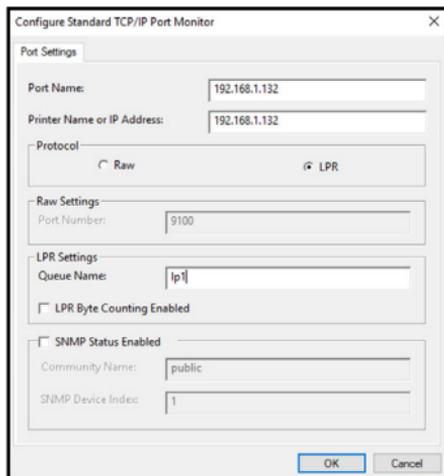
Add Printer Screen

6. Set the **Device Type** field to **Custom**, then click **Settings**.



Add Printer Screen

7. On the **Configure Standard TCP/IP Port Monitor** screen, set the **Protocol** to **LPR**.
8. Under **LPR Settings**, enter **lp1** into the **Queue Name** field then click **OK**.

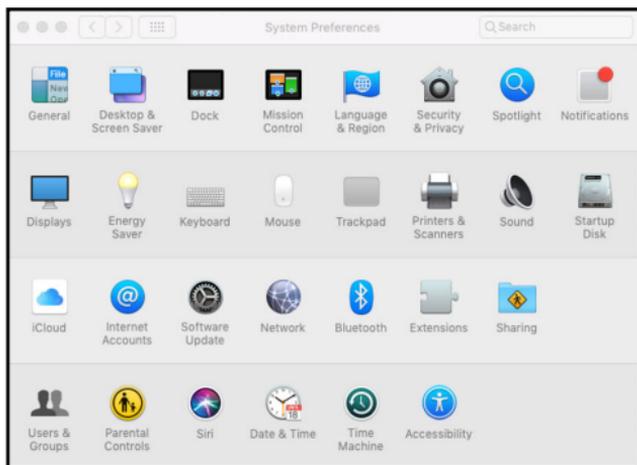


Configure Standard TCP/IP Port Monitor Screen

9. The **Add Printer** screen will appear, click the **Next** button.
10. Windows will attempt to automatically detect the printer driver:
 - If Windows fails to detect the proper printer driver: Select your printer's **Manufacturer** and **Model** from the ***Install the Printer Driver*** screen that appears.
 - If your printer model doesn't appear in the list: Select **Windows Update** (this update may take several minutes) to update the list of printer models. When the update is complete select for your printers **Manufacturer** and **Model** from the ***Install the Printer Driver*** screen that appears.
11. Windows will start to install the printer driver. Click the **Finish** button when the installation is complete.

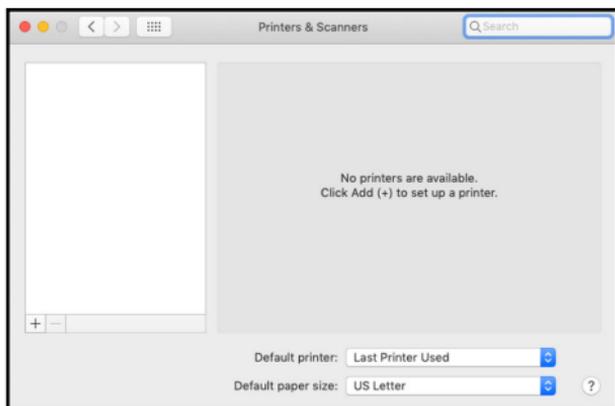
Setting Up a Printer in macOS

1. From the **System Preferences** screen, click on the **Printers & Scanners** icon.



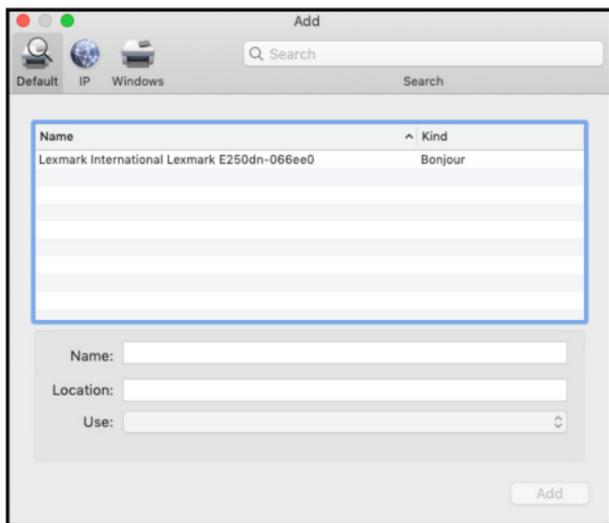
System Preferences Screen

2. The **Printers & Scanners** screen will appear, click the + icon on the left side of the screen.



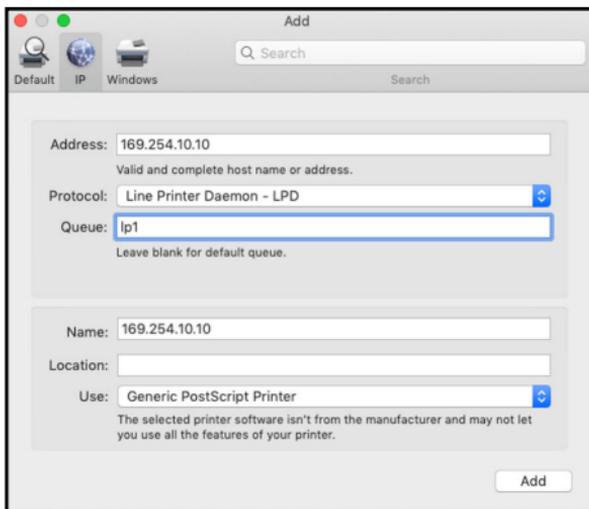
Printers & Scanner Screen

3. The **Add** screen will appear, if the printer appears on the **Default** tab, select it and click the **Add** button.



Add screen

4. If the printer does not appear, select the **IP** tab at the top of the screen.



IP Screen

5. Enter the IP address of the **Print Server** in the **Address** field.
6. Set the **Protocol** to Line Printer Daemon – LPD and **Queue** as lp1.
7. The wizard should automatically attempt to detect the driver needed for the printer. When it has settled on one, click the **Add** button.

Performing a Hard Factory Reset

1. Insert the tip on a pen into the **Recessed Reset** button on the side of the **Print Server**.
2. Gently press and hold the **Recessed Reset** button for 5 seconds to reset all settings back to factory defaults.

Software Operation

Accessing the Web Interface

1. Navigate to a web page and enter the **Print Server's IP Address**.
2. The **Network Print Server** screen will appear.

Changing the Screen Language

1. From any screen on the **Network Print Server Web Interface**, click on the **Select Language** drop-down list.
2. Select the desired language from the drop-down menu.



Select Language Drop-Down

- The **Menu** will refresh with the selected language loaded.

Viewing Server Information/Device Information

- From any screen on the **Network Print Server Web Interface**, click on the **Status** Link.
- The **Status** screen will appear.

Server Information	
Server Name	Networking Print Server 056F44
Manufacturer	Generic
Model	Network USB Server
Firmware Version	V. 2.255.255
Server UP-Time	0 days, 0 hours, 21 minutes, 49 seconds.
Web Page Version	003

Device 1 Information	
Device Name	
Link Status	
Device Status	
Current User	

Status Screen

- The following information is available on the **Status** screen:
 - Server Information**
 - Server Name:** The name of the server
 - Manufacturer:** The name of the manufacturer of the server
 - Model:** The server model
 - Firmware Version:** The latest firmware version number

- **Server UP-Time:** The amount of time the server has been operational.
- **Web Page Version:** The latest web page version number.
- **Device Information**
 - **Device Name:** The name of the connected device
 - **Link Status:** The link status of the connected device (wether it is linked to the print server or not)
 - **Device Status:** The status of the connected device.
 - **Current User:** The user name of the user currently using the device.

Viewing/Configuring Network Settings

1. From any screen on the **Network Print Server Web Interface**, click on the **Network** Link.
2. The **Network** screen will appear.

Network Information	
IP Setting	Fixed IP
IP Address	192.168.1.117
Subnet Mask	255.255.255.0
MAC Address	80:3f:5d:06:f6:44

Network Setting	
DHCP Setting	Disable
IP Address	192 . 168 . 1 . 117
Subnet Mask	255 . 255 . 255 . 0
Server Name	Networking Print Server 066F44
Password	<small>*Must Provide If Available*</small>
<input type="button" value="Submit"/> <input type="button" value="Clear"/>	

Network Screen

3. The following information is available on the **Network Information** section of the **Network** screen:
 - **IP Setting:** Shows the **Print Server's** current IP Setting, either Fixed IP or Automatic (DHCP) depending on how the print server was setup.
 - **IP Address:** Shows the **Print Server's** current IP Address.
 - **Subnet Mask:** Shows the **Print Server's** current Subnet Mask.
 - **MAC Address:** Shows the **Print Server's** MAC Address.
4. The following fields on the **Network Settings** section of the **Network** screen can be configured:
 - **DHCP Setting:** Assigns a dynamic IP Address to the connected device each time the device connects to a network. Select either to Enable or Disable Dynamic Host Configuration Protocol (DHCP).
 - **IP Address:** If the DHCP field is Disable you can manually enter an IP Address. If the DHCP field is Enable the IP Address will be generated automatically.
 - **Subnet Mask:** Allows you to enter a subnet mask.
 - **Server Name:** Allows you to enter a server name.
 - **Password:** Enter the user defined password in order to apply changes to the **Network Settings**.

***Note:** If no password has been created a password is not required to make changes to the **Network Settings**.*
5. Click the **Submit** button to save any changed made to the **Network Settings**.

6. Click the **Clear** button to clear a **Password** if one has been entered in the **Password** field.

Restarting a Device

1. From any screen on the **Network Print Server Web Interface**, click on the **Restart Device** Link.
2. The **Restart Device** screen will appear.



The screenshot shows the 'NETWORK PRINT SERVER' web interface. On the left is a navigation menu with options: Select Language, Status, Network, Restart Device, Factory Default, Password Change, and Compatibility List. The 'Restart Device' option is highlighted. The main content area is titled 'Restart Device' and contains a form with a 'Password' field, a 'Submit' button, and a 'Clear' button. A red asterisk note next to the password field reads '*Must Provide If Available*'. There are also icons for a printer and a computer monitor in the top left and right corners of the interface.

Restart Device Screen

3. Enter the user defined password in order to restart the device.

Note: *If no password has been created a password is not required to restart the device.*

4. Click the **Submit** button to restart the device.
5. Click the **Clear** button to clear a **Password** if one has been entered in the **Password** field.

Resetting the Device to Factory Settings

1. From any screen on the **Network Print Server Web Interface**, click on the **Factory Default** Link.
2. The **Factory Default** screen will appear.



The screenshot shows the 'Factory Default' screen of the Network Print Server Web Interface. The page has an orange header with the text 'NETWORK PRINT SERVER' and a printer icon on the left and a computer monitor icon on the right. Below the header is a navigation menu with a 'Select Language' dropdown and several menu items: 'Status', 'Network', 'Restart Device', 'Factory Default', 'Password Change', and 'Compatibility List'. The main content area is titled 'Factory Default' and contains a 'Password' field with a red asterisk and the text '*Must Provide If Available*'. Below the password field are 'Submit' and 'Clear' buttons.

Factory Default Screen

3. Enter the user defined password in order to reset the device to factory defaults.

Note: *If no password has been created a password is not required to reset the device to factory defaults.*

4. Click the **Submit** button to reset the device to factory defaults.
5. Click the **Clear** button to clear a **Password** if one has been entered in the **Password** field.

Creating/Changing a Password

1. From any screen on the **Network Print Server Web Interface**, click on the **Factory Default** Link.
2. The **Factory Default** screen will appear.

Password Change	
Current Password	<input type="text"/> *Must Provide If Available*
New Password	<input type="text"/>
Confirm New Password	<input type="text"/>
<input type="button" value="Submit"/> <input type="button" value="Clear"/>	

Password Change Screen

3. Enter the user defined password in the **Current Password** field. When creating a new password for the first time leave the **Current Password** field blank.
4. Enter a new password in the **New Password** field. The password can contain alphanumeric and special characters and is 1 - 20 characters in length.
5. Re-enter the new password in the **Confirm New Password** field.
6. Click the **Submit** button to create/reset the password.

7. Click the **Clear** button to clear a **Password** if one has been entered in the **Password** field.

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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