

# Ethernet Print Server

1 Port 10/100-Mbps Print Server



Installation Manual

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PS1100A



## Overview

Save precious time and space with the compact StarTech.com 1-Port 10/100-Mbps Print Server. No need for a printer-dedicated computer, this adapter will have your printer connected to your Network in about 5 minutes. Included in the package is installation management software to customize each server port to the printers' advanced features and abilities. The fast DMA driven parallel ports eliminate bottlenecks while the device features multiprotocol support for both Novell IPX/SPX and TCP/IP (including fixed IP address and DHCP)

## Features

- Allows you to quickly and easily add printers to your network - can be installed in as little as 5 minutes
- Includes installation management software to customize each server port to the printers' advanced features and abilities
- Features flash EEPROM for quick and easy upgrades
- LEDs indicate link speed and activity
- Fast DMA driven parallel ports eliminate bottlenecks
- Multiprotocol support for both Novell IPX/SPX and TCP/IP (including fixed IP address and DHCP)
- Compact size

## Getting Started

This section is designed to help you prepare the PS1100A for installation. Please read through this section carefully before attempting to install the card.

### Unpacking the PS1100A

This package should contain:

- 1 x Ethernet Print Server
- 1 x Power adapter
- 1 x Installation disk

## Installation

1. Unpack the print server and verify that all the items listed in the previous section have been included.
2. Connect the print server to the printer you want to share on the network.
3. Connect the power adapter to the print server and plug it into a power source.
4. The print server will perform the Power-On-Self Test (POST) after it is powered on. The Status LED will flash 6 times to indicate that the print server is ready.

*Note: You must use the power adapter shipped along with the print server, do NOT use any other power adapter from other sources.*

### Administrator Installation and Setup

The **Administrator Installation Program** executes a wizard-driven procedure which performs the following tasks:

- **Install all necessary utilities and drivers** in your PC (including the client utilities).
- Prompt to **setup the print server** (including the print server name and Network protocols)

- **Add the network port** of the print server to your PC.

After the installation, perform the standard **"Add Printer"** procedure and choose the print server's "Network Port" in the "Available Ports" list. You can test printing from the Administrator's PC to the print server as you local printer.

The Administrator Installation can be performed on Windows 95/98/Me/NT/2000 with the same user interface. Before the installation, please verify that your network protocol is installed on your PC (TCP/IP, IXP and/or Net BEUI). It will be helpful on your installation process

1. Insert the CD shipped along with the print server into your CD-ROM drive. The Autorun.exe program should be executed automatically by Windows. If not, run Autorun.exe manually from the CD-ROM drive's root directory.
2. The "Installation Manager" will be displayed on the screen.
3. Click "Administrator Installation and the "Utilities Setup" window will be displayed.
4. Click "Next", and specify the destination folder where the utilities will be installed.
5. Click "Next", and select the components you want to install. It is highly recommended to install all the provided components.
6. Click "Next" and specify the program folder where the program icons will be added.
7. Click "Next" to start installation.
8. In a while, the program will finish installing all the utilities and drivers you selected. Thus far you have completed the installation phase and are prepared to configure the Print Server. Click "Next", and the "Choose Print Server" dialog box will be displayed.

*Note If this is the first time you configure the print server, the "Print Server Name" is the same as the "Device Name" printed on the rear of the print server.*

9. Click "Next", and the "Name the Print Server" dialog box will be displayed. You can assign a meaningful name for the management consideration. But notice that this name will be the "Identifier Name" for NetBEUI and IPX peer to peer printing.
10. Click "Next" to configure network protocol. In the system default, IXP and NetBEUI protocols are enabled and do not need to be configured. (Except the Print Server Name in the previous window). About the TCP/IP, you can either assign a dedicated IP address for the print server or configure it later by the configuration utility. (If you choose "Do not change IP - configure later", there would be no effect on the network. It is suitable for both Non-IP and IP-enabled networks.)
11. Click "Next", and the configuration summary is displayed in the window. Now, you have completed the "Print Server Setup". By clicking "Next", your system will perform "Add network port" of the print server to your PC.
12. Finally the "Installation complete" window is displayed to indicate that the Administrator Installation procedure is finished.

***Now that you have completed the Administrator's setup you can then perform the "Client Installation" procedure on all client's side of the network.***

If you want to print from the administrator's PC to the print server, you must perform Windows' standard "Add Printer" procedure.

- a) Click <Start>, and choose "Setting", "Printers"
- b) Double click "Add New Printer", select Local Printer", click <Next>
- c) Select a suitable printer manufacturer and model, the click <Next>.

- d) Choose the "Print Server's Network Port" which was created by the administrator installation process, Click "Next".
- e) Complete the rest of the questions to finish the network printer setup.

### Client Installation and Setup

The **Client Installation Program** executes a wizard-driven procedure which performs the following tasks:

- Install client utilities and drivers into your PC
- Automatically add all Network Ports to your PC

*Note: Auto-detect/Auto-select network protocol*

After the installation, perform the standard "**Add Printer**" procedure and choose the print server's "Network Port" in the "Available Ports" list. You can test printing from the Administrator's PC to the print server as you local printer.

*The Client Installation can be performed on Windows 95/98/Me/NT/2000 with the same user interface. Before the installation, please confirm that your PC has been connected to the network and has at least one network protocol installed.*

1. Insert the CD shipped along with the print server into your CD-ROM drive. The Autorun.exe program should be executed automatically by Windows. If not, run Autorun.exe manually from the CD-ROM drive's root directory.
2. The "Client Manager" will be displayed on the screen.
3. Click "Administrator Installation and the "Utilities Setup" window will be displayed.
4. Click "Next", and specify the destination folder where the utilities will be installed.
5. Click "Next" and specify the program folder where the program icons will be added.
6. Click "Next" to start installation.
7. You have completed the installation process and are entering the setup process. Click "Continue" and all the print server's network ports detected on the network will be added to your PC.
8. Finally the "Installation complete" window is displayed to indicate that the Client Installation procedure is finished.

**You can then perform the Windows' standard "Add Printer" procedure as described below to ass network printers to your PC.**

- a) Click <Start>, and choose "Setting", "Printers"
- b) Double click "Add New Printer", select :Local Printer", click <Next>
- c) Select a suitable printer manufacturer and model, the click <Next>.
- d) Choose the "Print Server's Network Port" which was created by the administrator installation process, Click "Next".
- e) Complete the rest of the questions to finish the network printer setup.

### Setup NetWare Printing

#### Quick Setup for NetWare 3.x

1. Please confirm that you have completed the "Administration Installation" procedure.
2. Log into your NetWare server as SUPERVISOR.
3. Click "Start", "Program", "Print Server Utilities", "NetWare Quick Setup" to start the installation.

4. Select your new print server from the displayed list and press <Enter>. The name listed will be the same as the Device Name printed on the rear of the print server.
5. The quick installation program will create and setup related objects on the file server, A list of the defaults will be displayed. If you need to change any of these items, use the arrow keys to choose the items you need to change, the press <Enter> to display a list of choices. When all of the values are correct, select the "Continue Installation" item and press <Enter>.
6. The quick installation program will set up the print server, and when the setup is complete, it will also create a file called PRINTSIR.BAT that you can run after logging into the file server to redirect print commands to the new print server. A sample PRINTSIR.BAT file is shown below:

```
capture/S=III/Q=PRINTSIR_Q1/nt/nff/nb/1=1/ti=10
```

This redirects the LPT1 port (/1=1) to the print queue PRINTSIR\_Q1 on the file server named III. No banner page will be printed (/nb), no form feed will be added to the end of the job (/nff), and tabs will not be expanded into spaces (/nt). If the program does not explicitly signal end-of-job, the capture facility will wait 10 seconds (/ti=10\_ before assuming that the print job is complete.

7. Reset the print server to have the changes take effect.

#### **Quick Setup for NetWare 4.x**

1. Please confirm that you have completed the "Administration Installation" procedure.
2. Log into your NetWare server as SUPERVISOR.
3. Click "Start", "Program", "Print Server Utilities", "NetWare Quick Setup" to start the installation.
4. Select your new print server from the displayed list and press <Enter>. The name listed will be the same as the Device Name printed on the rear of the print server.
5. The quick installation program will create and setup related objects on the file server, A list of the defaults will be displayed. If you need to change any of these items, use the arrow keys to choose the items you need to change, the press <Enter> to display a list of choices. When all of the values are correct, select the "Continue Installation" item and press <Enter>. The Current Tree and Current Context settings cannot be changed from within the Quick Installation program. If you need to change the tree or context where the print server will be installed, use the CX command to change them before starting installation.
6. The quick installation program will set up the print server, and when the setup is complete, it will also create a file called PRINTSIR.BAT that you can run after logging into the file server to redirect print commands to the new print server. A sample PRINTSIR.BAT file is shown below:

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7. Reset the print server to have the changes take effect.