

# NetWare Bindery Mode (V2, V3, V4) and QUICKSET

*This document covers configuring the the IOPRINT+ Print Server with Novell NetWare Version 2, Version 3, or Version 4 (Bindery Mode) using the QUICKSET utility.*

## Introduction

If you have Windows 95/98/NT, you should use the [BiAdmin](#) program to configure both the IOPRINT+ Print Server and the NetWare server.

This document is for users who do not have Windows 95/98 or Windows NT.

## Requirements

- NetWare 2.2, NetWare 3.1x
- NetWare PCONSOLE V1.21 or higher in the file server
- NetWare Print Server V1.22 or higher (remote printer mode only)
- DOS 3.3 or higher on workstations.
- Hardware installation must be completed.

## Operating Modes

Two NetWare operating modes are possible -*Print Server* and *Remote Printer*.

- **Print Server** mode is faster and uses fewer resources than Remote Printer mode but occupies a user login slot. This mode should be used if possible.
- **Remote Printer** mode has the advantage that it does not use a login slot.

### Operation - Print Server Mode

The IOPRINT+ Print Server emulates NetWare PSERVER. When the unit is activated, it will perform the following operations:

- Login to specified NetWare file server(s)
- Poll the specified print queues.
- If there are print jobs in the print queues, then the IOPRINT+ Print Server will send them to the printer(s).

### Operation - Remote Printer Mode

The IOPRINT+ Print Server emulates a NetWare Remote Printer. After the unit is activated, it will perform the following operations:

- Connect to NetWare PSERVER
- Receive the print jobs sent by PSERVER
- Convert the packet format to a acceptable printer format, and send the data to the printer.

## Configuration Methods

This document describes using the QUICKSET utility for configuration.

QUICKSET is a DOS-based command-line program. The QUICKSET program will configure the IOPRINT+ Print Server and the current Novell server in a single operation. However, it provides few options.

If possible, you should use [BiAdmin](#) for configuration instead of QUICKSET. BiAdmin is a powerful, user-friendly program which runs under Windows 95/98/NT.

BiAdmin is also used by the main SETUP program on the CD-ROM. Setup will auto-run under Windows 95 or 98.

## Configuration Data

The IOPRINT+ Print Server requires the following "General" data, and the data for the mode (Print Server or Remote Printer) you are using.

### General

Item	Description	Setting used by Quickset
<b>Device Name</b>	The default name is shown on a sticker on the base of the device, in the form SCxxxxxx (SC followed by 6 digits). Change this if you wish. The new name MUST NOT exceed 19 characters, nor contain any spaces.	Parameter provided by user. Default name is used if no parameter is provided.
<b>Device Password</b>	Default is NULL (no password).	No password
<b>NetWare Mode</b>	<i>Print Server or Remote Printer.</i>	Depends on syntax used.
<b>Frame Type</b>	Select the frame types used by your network. (Ethernet 802.2, Ethernet 802.3, Ethernet SNAP, and Ethernet II) By default, all frame types are enabled.	All frame types enabled.

### Novell Remote Printer Mode

Item	Description	Setting used by Quickset
<b>Novell Printer Server for P1</b>	NetWare print server to service the IOPRINT+ Print Server's parallel port 1	Parameter provided by user.
<b>Novell Printer Server for P2, P3 &amp; SP (if exist)</b>	NetWare print server to service the IOPRINT+ Print Server's parallel port 2 (P2), parallel port 3 (P3), or Serial port (SP), if fitted.	As for P1.

## Novell Print Server Mode

Item	Description	Setting used by Quickset
NDS Tree Name	Not applicable. (NetWare NDS mode only)	n/a
Print Server NDS Context	Not applicable. (NetWare NDS mode only)	n/a
Master file server (Bindery mode only)	Name of the IOPRINT+ Print Server's master file server.	Parameter provided by user.
Polling Queue Interval	Defines how often the IOPRINT+ Print Server will poll the queues to be serviced.	1 Second
Job Notification by Connection ID	Set to <i>Yes</i> to receive a job notification at only the workstation where the print job originated, <i>No</i> to receive a job notification at all workstations that you have logged on.	No. (Notification at all logins.)
NetWare Password	The password on the NetWare Print Server. The device needs this password to connect to the NetWare server.	No password.

## Configuration Procedure

This section describes how to use the supplied QUICKSET program to perform initial configuration of your IOPRINT+ Print Server.

The QUICKSET program will configure the IOPRINT+ Print Server and the current Novell server in a single operation. This is a DOS-based command-line program.

## Preparation

1. Copy the QUICKSET.EXE file in the \Utility\Dos directory on the CD-ROM to your workstation's hard disk.
2. Log in to a bindery based file server as a SUPERVISOR or as a user with supervisory rights.
3. Run Quickset with the appropriate parameters. Refer to the following section for details for both NetWare Print Server mode and NetWare Remote Printer mode.



**Note!** Quickset /? Will display a help screen.  
In the “Syntax” sections, brackets ( ) indicate optional parameters.

# Quickset - NetWare Print Server Mode

## Quickset Syntax

Quickset **Name** (/UN=**P**) (/Q1=**W**) (/Q2=**X**) (/Q3=**Y**) (/QS=**Z**) (/FS=**F**)

Parameter	Meaning
<b>Name</b>	The default name displayed on the bar code label on the bottom of the unit. This is in the form SCxxxxxx (SC followed by 6 digits).
<b>P</b>	New name of the IOPRINT+ Print Server. Provide this parameter if you wish to change the default name.
<b>W, X, Y, Z</b>	<b>W, X, Y</b> , and <b>Z</b> are the names of the queues to be serviced by parallel ports 1, 2, 3, and the serial port, respectively. The default queue names ( P1, P2, P3, SP) will be used if these parameters are missing.
<b>F</b>	Master file server for this device. When multiple file servers are serviced; this information is stored in the master file server. If this parameter is not provided, the current server is used.

### Example:

Quickset SC123456 /UN=Marketing /FS=Net311

In this example, unit SC123456 has been setup as a Novell Print Server. Its new name is *Marketing* and its Master File Server is Net311.

NetWare File Server Settings used by Quickset	
<b>Print Server Object Name</b>	Device name. (Default name SCxxxxxx is used if no name is provided by user.)
<b>Print Server Object Password</b>	No password.
<b>Printer Objects</b>	dv_P1, dv_P2, dv_P3, dv_SP (Where dv is the device name, P1, P2, P3 indicate the parallel ports, and SP indicates the serial port.)
<b>Printer Queues</b>	P1, P2, P3, SP (Unless user provides different names as parameters).

# Quickset - NetWare Remote Printer Mode

## Quickset Syntax

Quickset **Name R** (UN=**P**) (/Q1=**W**) (/Q2=**X**) (/Q3=**Y**) (/QS=**Z**) /FS=**F**

Parameter	Meaning
<b>Name</b>	The default IOPRINT+ Print Server name, as displayed on the bar code label on the bottom of the unit.
<b>R</b>	R is the name of the NetWare print server that the IOPRINT+ Print Server will connect to. If this does not exist, it will be created.
<b>P</b>	The new name of the IOPRINT+ Print Server. Provide this parameter if you wish to change the device name.
<b>W,X, Y, Z</b>	W,X, Y, and Z are the names of the queues to be serviced by parallel ports 1, 2, 3, and the serial port, respectively. If you do not provide these parameters, then P1, P2, P3 and SP are used as the queue names.
<b>F</b>	F is the name of the file server that the NetWare print server R logs onto.

### Example:

Quickset SC123456 PS1 /UN=Marketing /FS=Net311

In this example, IOPRINT+ Print Server SC123456 has been setup as a remote printer that is attached to the NetWare print server, PS1, on the Net311 file server.

NetWare Print Server Settings used by Quickset	
<b>Printer name for P1 (Parallel port 1)</b>	Device name.
<b>Printer Type for P1</b>	Remote parallel
<b>Printer name for P2, P3, SP</b>	Dv_P2, Dv_P3, Dv_SP Where Dv is the device name.
<b>Printer Type (P2, P3, SP)</b>	Remote parallel or Remote serial, as appropriate.
<b>Printer Queue names</b>	P1, P2, P3, SP are used if the user does not supply queue names as parameters.

# Printing

To print a job to the IOPRINT+ Print Server SCxxxxxx, you can use NetWare's standard utilities: **CAPTURE**, **NPRINT**, or **PCONSOLE**.

On-line help for these commands is obtained by typing `/?` after the command. (e.g. `CAPTURE /? [ENTER]` )

In the following examples, print queue P1 is serviced by IOPRINT+ Print Server SCxxxxxx. To print, the file is sent to print queue P1.

## Example 1:

To use **NPRINT** to print the file `c:\config.sys` to SCxxxxxx, using the queue "P1", use the command:

```
NPRINT c:\config.sys /Q=P1 /NOTI /T=4 /NFF /NB
```

For NPRINT usage and options, see your NetWare documentation.

## Example 2:

To use **CAPTURE** to print the file `c:\config.sys` to the IOPRINT+ Print Server port associated with print queue "P1", use the commands:

```
CAPTURE /L=1 /Q=P1 /NOTI /NT /FF /NB  
COPY c:\config.sys LPT1
```

In this example, output destined for LPT1 is redirected to Print Queue P1. It will then be printed by the printer associated with this queue.

- Normally, the **CAPTURE** command is used within a Login script, so that users will gain automatic access to the IOPRINT+ Print Server's printers.
- For **CAPTURE** usage and options, see your NetWare documentation.

## Advanced Configuration & Management

Following initial configuration, you can check the status of your IOPRINT+ Print Server, and make any further configuration changes required, by using one of the following programs:

- [BiAdmin](#) – Requires Windows 95/98/NT. This is the most flexible, powerful and user-friendly utility provided with your IOPRINT+ Print Server. We recommend using this program if possible.
- [PSConfig](#) – Menu-driven DOS program, designed solely for the NetWare environment.
- [WPConfig](#) – General-purpose Windows 3.1 program, similar to BiAdmin, but lacking BiAdmin's advanced features.