## **Print Server**

## User's Manual

Rev. 01 (April, 2004)

Made In Taiwan

# TABLE OF CONTENTS

ABOUT THIS GUIDE	4
INTRODUCTION	5
Package Contents System Requirements General Features Product View	
HARDWARE INSTALLATION	
NETWORKING APPLICATION Installing the Print Server	
USING THE UTILITIES	
AUTO-RUN INSTALLATION PS-UTILITY Installing PS-Utility Using PS-Utility	
WEB CONFIGURATION	
WEB CONFIGURATION UTILITY HOME SETUP WIZARD Second HTTP Port Save to Print Server CHANGE IP ADDRESS. PRINTER INFORMATION FACTORY RESET FIRMWARE UPGRADE ABOUT PRINTING IN WINDOWS 95/98/ME	
INSTALLING THE LPR FOR TCP/IP PRINTING CLIENT	
ADDING LPR PRINTER PORTS	

Printing from Windows 95/98/Me	
SETTING TCP/IP PRINTING SETTINGS	
PRINTING IN WINDOWS 2000/XP	
SETTING UP WINDOWS 2000 TCP/IP PRINTING	
SETTING UP WINDOWS XP TCP/IP PRINTING	
PRINTING IN MAC OS	55
Rendezvous Uses in MAC OS 10.2	

# ABOUT THIS GUIDE

This manual provides instructions and illustrations on how to use your pocket-sized Print Server, including:

- Chapter 1, **Introduction**, provides the general information on the product.
- Chapter 2, **Hardware Installation**, describes the hardware installation procedure for the product.
- Chapter 3, **Using the Utilities**, helps you to install and use the software.
- Chapter 4, **Web Configuration**, completes the configuration using the web browser.
- Chapter 5, **Printing in Windows XP**, lets you complete printing task through your print server in Windows XP environment.
- Chapter 6, **Printing in MAC OS**, lets you complete printing task through your print server in MAC OS environment.

Please note that the illustrations or setting values in this manual are **FOR YOUR REFERENCE ONLY**. The actual settings and values depend on your system and network. If you are not sure about the respective information, please ask your net work administrator or MIS staff for help.

# 1

## INTRODUCTION

Congratulations on purchasing your pocket-sized Print Server, the easiest and fastest way to deploy printers on your network.

This compact print server can connect your network through an Access Point under the infrastructure mode, or can be used in ad-hoc mode for direct communication between PC/Notebook and print server anywhere you wish to locate printer services. It manages the flow of print files from your workstation or file server to its connected printers, delivering print jobs to high-performance printers much faster than a file server or a PC acting as a print server can.

The pocket-sized Print Server features a Web-based Configuration Utility, which allows you to set up the print server through the web browser easily and quickly. It also includes a simple software utility **PS-Utility,** a user-friendly program that allows you to complete settings for the print server.

## **Package Contents**

Unpack the package and check all the items carefully, and be certain that you have:

- One single port print server
- One AC Power Adapter suitable for your country's electric power service.
- One Quick Installation Guide.
- One Installation CD-ROM containing the PS-Utility program and the User's Guide.

If any item contained is damaged or missing, please contact your local dealer immediately. Also, keep the box and packing materials in case you need to ship the unit in the future.

## **System Requirements**

• Operating System:

Microsoft Windows 95/98/ME/NT/2000/XP/2003.

Apple Mac OS X or above

• For Web Configuration:

Java-enabled web browser, such as Microsoft® Internet Explorer 5.0 and Netscape Navigator 6.0.

## **General Features**

- Compliant with Bi-directional 36-pin parallel port
- Equipped 10/100 auto-MDIX Fast Ethernet LAN port
- Multi protocol support is ideal for shared printing in mixed-LAN environments
- Windows-based program makes it possible to set up in a few minutes.
- Offer LPR program for Windows 95/98/Me TCP/IP printing
- IP assignment support for DHCP
- Support Web configuration
- Provide Flash memory for easy firmware upgrade
- Support IPP for Windows 2000/XP
- Support second http port for remote web configuration and IPP printing.
- Support Mac OS 10.2 "Rendezvous" zero-configuration feature

## **Product View**

This section describes the externally visible features of the print server.

#### **Front View**



**Rear View** 



\* There are three green LED indicators on the rear panel:

LEDs	Description	
Power	Steady light confirms that the Print Server is powered on.	
LPT	When it blinks, the printer connected is printing.	
Link/Act	Steady light confirms that the print server has a good connection to your network.	
	When it blinks (briefly dark), the print server is receiving/ transmitting data from/to the network.	

# 2

## HARDWARE INSTALLATION

## **Networking Application**

The following diagram explains the application of your print server.



## **Installing the Print Server**

Follow these steps for a trouble-free start of print server operations with your pocket-sized Print Server.

- **1.** Confirm proper operation of the printer to be connected to the print server.
- 2. When you have confirmed proper operation of the printer, turn off the power.
- **3.** Confirm that your network is operating normally.
- **4.** Connect the print server to the network (through the RJ-45 connector of the print server).
- **5.** While the printer is powered off, connect the print server to the printer's port.
- **6.** Turn on the printer's power.
- 7. Connect the DC end of the AC Power adapter to the DC power input socket of the print server and the AC end to the wall outlet. This will supply power to the print server immediately.

**NOTE:** This print server is built with a default IP Address. To prevent from any conflict in your network, it is recommended to use the PS-Utility program to change the IP setting when there is some other device's IP Address is the same as the print server's default IP Address.



# USING THE UTILITIES

This chapter describes the software utilities for the print server, including how to set up your print server with these utility. The **PS**-**Utility** is designed with a user-friendly interface that allows you to set up and administer the print server easily.

## **Auto-Run Installation**

Insert the Installation CD-ROM into your computer's CD-ROM drive to initiate the Auto-Run program, and the menu screen will appear as below.



- User's Guide click to preview the *User's Guide* in PDF format for detailed information of the Print Server.
- **Install Utility** click to install PS-Utility. Please refer to the next section for detailed information on installing the utility.
- **Browse CD** if you want to browse the contents of the Installation CD-ROM, click this button and the contents of the CD will be available for preview.
- **Exit** click to close the Auto-Run program.

## **PS-Utility**

To avoid the conflict in your network, you can use PS-Utility to change the related settings of your print server (such as the IP address) after finishing the installation.

## Installing PS-Utility

 Click Install Utility from the Auto-Run menu screen. Once executed, the Setup program will extract files to launch the InstallShield Wizard; then, click Next > in the welcome screen of InstallShield Wizard.



2. Choose the destination location. If no specific requirement, leave the default setting and click *Next* >.



- **3.** The InstallShield Wizard starts to install the software, and the Progress bar indicates the installation is proceeding.
- 4. When completed, click *Finish*.



After installing the utility, the application program for the print server is automatically installed to your computer, and creates a folder in **Start\Programs\PS-Utility**.

### **Using PS-Utility**

This section describes the operation of PS-Utility. To launch PS-Utility:

1. Click Start -> Programs -> PS-Utility, and then click the PS-Utility v2.00 item.



2. The main screen will appear as below, and it starts to search the connected print server within the network.

PS-Utility Device Name PS-Your print server	Change IP Address Update Firmware 2 Show Web Setup Factory Reset
	Information MAC Address 00 03 1b 07 23 e3 IP Address 192.168.0.1 Model Wireless Pocket Print Server Status Running Firmware 2.72 UpTime 0 days, 00:03:33
Discover Device	About Close 2
4 Ready	1 Devices

#### **Component Features:**

**Device List:** Display the connected print server within the network.



#### Control Buttons

**Change IP Address:** -Click this button to bring up the following dialog box, allowing you to change the IP Address. In this dialog box, you can select either *Manually* Assign or DHCP Assign Automatically. When completed, click **OK**.

Change IP Address		×
Manually Assig	n	
IP Address	<b>192</b> . <b>168</b> . <b>0</b> . <b>1</b>	
Subnet Mask	255 . 255 . 255 . 0	
Default Gateway		
O DHCP Assign A	utomatically	
ОК	Cancel	_

- **Update Firmware:** Click this button to update the firmware of the selected print server.
- Show Web Setup: Click this button to open your web browser and launch the Configuration Utility. Alternately, you can double-click the print server in the Device List to launch the Configuration Utility.
- **Factory Reset:** Click this button to reload the factory settings of the print server.
- **Discover Device:** Click this button to search the connected print server again.
- About: Click this button to bring up a window containing the basic information of PS-Utility.
- **Close:** Click this button to exit PS-Utility.

**3** Information Field: Display the basic information of the selected print server in the Device List.

**4 Status Bar:** Display the system status.



## WEB CONFIGURATION

You can access and manage the Print Server through: 1) the enclosed software PS-Utility, and 2) a web browser. This chapter describes the second method – the Web Configuration Utility, and explains how to set up your print server with the web browser.

## Web Configuration Utility

First, launch your web browser (such as the Internet Explorer 6.0 used in this manual). Then, type *http://192.168.0.1* (the default IP address) in the Address bar and press [Enter] to enter the Management screen of the Configuration Utility.

**TIP:** The computer's IP address must correspond with the print server's IP address in the same segment for the two devices to communicate. Extensive knowledge of LAN will be helpful in configuring the print server.

## Home

		Print Server
Home	Home - System Int	ormation
Setup Wizard	Server Name	: PS-116688
Change IP Address	Port Name	: PS-116688-P1
Printer Information	Model	: Pocket Size Print Server
Factory Reset	Firmware Version	: 3.00a (2004-03-17)
Firmware Upgrade	MAC Address	: 00 FF FF 11 66 88
About	IP Address	: 192.168.0.169 (Manual)
	Up Time	: 0 days, 00:20:13
	Refresh	

The Management Screen of the Configuration Utility

The Home screen displays the basic information of the print server. As shown above, the **System** displays the status of your print server and network. Clicking *Refresh* will update the information.

## **Setup Wizard**

	Print Server	
Home Setup Wizard Change IP Address Printer Information Factory Reset Firmware Upgrade About	Setup Wizard - System         Server Name       PS-116688         Port Name       PS-116688-P1         Password       Image: Comparison of the system         Next       Image: Comparison of the system	

The "Setup Wizard" will lead you to change all the configurations step by step. Please follow below steps to finish it

#### <u>System</u>

In this field, you can configure the basic information of your print server.

Server Name: Assign a name to the print server.

**Port Name:** Assign the Port Name for the print server

**Password:** Enter the Administrator password (3-8 characters).

		Print Server
Home       Setup Wizard         Setup Wizard       IP Address         IP Address       IP Address         Printer Information       IP Address         Factory Reset       Subnet Mask         Firmware Upgrade       Default Gateway         About       Charge IP Address	Home Setup Wizard Change IP Address Printer Information Factory Reset Firmware Upgrade About	Setup Wizard - IP Address         IP Address         IP Address         IP Address         IP Address         Subnet Mask         Subnet Mask         Default Gateway         1.0.0.0         C Automatically Assign

#### **IP Address**

This option allows you to set the IP address manually or automatically. When you choose *Manually Assign*, you should enter the related information in the following boxes, including *IP Address*, *Subnet Mask*, and *Default Gateway*.

	Print Server
Home Setup Wizard Change IP Address Printer Information Factory Reset Firmware Upgrade About	Setup Wizard - Microsoft Network         Workgroup       WORKGROUP         Next       Vertion

#### Microsoft Network

Enter the name of the Workgroup that you want the print server associated with in this field.

#### Second HTTP Port

This field allows settings to open a second port for the remote printing and IPP printing function. This will permit users to execute printing jobs through broadband IP router.

		Print Server
Home	Setup Wizard - Sa	ve to Print Server
Setup Wizard	Server Name	: PS-116688
Change IP Address	Port Name	: PS-116688-P1
Printer Information	IP Address	: 192.168.0.169
Factory Reset	Subnet Mask	: 255.255.255.0
Firmware Upgrade	Default Gateway	: 1.0.0.0
About	Workgroup	: WORKGROUP
	Second HTTP Port	: Disable (Port - 0)
	Password	E.
	Do you want to sav	e settings to Print Server ?
	Yes No	3

#### Save to Print Server

Please double check all the configurations and click "Yes" to save the settings..

## **Change IP Address**

	Print Server
Home Setup Wizard Change IP Address Printer Information Factory Reset Firmware Upgrade About	IP Address       IP Address         IP Address       192.168.0.169         Subnet Mask       255.255.255.0         Default Gateway       1.0.0.0         Automatically Assign         Save       Cancel

If you only need to change the print server's IP address without any other configuration. Please click the "**Change IP Address**" icon and change it to what you want.

## **Printer Information**

Print Server			
Home	Printer Information		
Change IP Address Printer Information	Printer Model : Printer Command Set :		
Factory Reset Firmware Upgrade	Printer Status : Off line		
About	Refresh		

The items in this field display the information of the printer, such as the given name for the printer, printer status, and status of your printing tasks, etc.

## **Factory Reset**

Print Server		
Home       Setup Wizard         Change IP Address       Do you want to restore Print Server to factory default setting?         Printer Information       Yes         Factory Reset       Firmware Upgrade         About       Image: Printer Server to factory default setting?		

Please click **Yes** to reload the factory settings of the print server.

## **Firmware Upgrade**

	Print Server		
Home	Firmware Upgrade		
Setup Wizard Change IP Address	zard Current Firmware Version and Date: 3.00a (2004-03-17) P Address		
Printer Information	Select a Firmware File :		
Factory Reset	Browse		
Firmware Upgrade			
About	Upgrade Cancel		

When a new version of firmware is available (e.g. downloading from the manufacturer's website), you can upgrade the firmware of your print server. Click *Browse* to point to the firmware file, and then click *Upgrade*.

## About

	Print Server
Home Setup Wizard Change IP Address Printer Information Factory Reset Firmware Upgrade About	About Print Server v3.00a

This screen displays the information of the print server.



## PRINTING IN WINDOWS 95/98/ME

The Print Server can provide print services to TCP/IP networks using the lpr/lpd network printing protocol. Most UNIX systems are capable of supporting lpd, as is Windows NT/2000.

This LPR for TCP/IP Printing client gives Windows 95/98/Me workstations the ability to print using the lpr/lpd printing protocol. Though it is possible to print to Print Servers from Windows 95/98/Me, this capability is useful if primarily administer your network from UNIX systems, or if you want to print from workstations that are only accessible through IP routing.

## Installing the LPR for TCP/IP Printing Client

Before your Windows 95/98/Me workstation can print using the lpr protocol, you will need to install the client program, as follows:

- **1.** Make sure that you have installed the TCP/IP protocol, and have properly configured the Windows 95/98/Me TCP/IP settings. You can install the protocol from the Network control panel if necessary.
- From the Start menu, choose the Settings submenu, then the Control Panel item within it. Windows will display the Control Panel folder.
- **3.** Double-click on the Network icon in the Control Panel folder.



Network

- 4. Click on the Add... button on the Configuration tab.
- **5.** Windows will ask for the type of component to add. Select Client and click **Add...** to continue.

? ×
<u>A</u> dd
Cancel

6. When Windows asks you to select a network client, click the **Have Disk...** button.

- **7.** Insert the Print Server installation CD in your computer's CD-ROM, enter the proper pathname (for example , D:\ lpr), and click **OK**.
- **8.** Select the LPR for TCP/IP Printing client and click **OK**.



**9.** Windows will copy the necessary files, and return to the Network dialog. Click **OK** to let Windows restart.

Network	? ×		
Configuration   Identification   Access Control			
The following network components are installed:			
🔜 Client for Microsoft Networks			
Client for NetWare Networks			
🔜 LPR for TCP/IP Printing			
NE2000 Compatible			
IPX/SPX-compatible Protocol			
A NetBEUI			
Add <u>R</u> emove <u>P</u> roperties			
Primaru Network Logon:			
Client for NetWate Networks			
File and Print Sharing			
Description			
LPR for TCP/IP Printing (v1.00/1997-08-08) enables you to connect to and use the printers connected on the Print Server			
devices that support TCP/IP LPR printing protocol.			
OK	Cancel		

## **Adding LPR Printer Ports**

Once you have installed the client, and have enabled TCP/IP printing for the Print Servers, then you need to add a printer port for each printer you will be printing to using the lpr/lpd protocol. To add a printer port,

- 1. From the **Start** menu, choose the **Settings** submenu, then the **Control Panel** item within it. Windows will display the Control Panel folder.
- 2. Double-click on the Network icon in the Control Panel folder.



**3.** Choose the LPR for TCP/IP Printing client and click the **Properties** button.

Network			
Configuration Identification Access Control			
The following <u>n</u> etwork components are installed:			
🔜 Client for Microsoft Networks			
Elient for NetWare Networks			
LPR for TCP/IP Printing			
IN 2000 Compatible			
IPX75PX-compatible Protocol     IPX NetBELII			
Add <u>R</u> emove <u>Properties</u>			
Client for NetWare Networks			
Description			
LPR for TCP/IP Printing (v1.00/1997-08-08) enables you to			
devices that support TCP/IP LPR printing protocol.			
OK Cancel			

- **4.** Click the **Add Port...** button to add a new lpd-accessible printer port.
- **5.** Enter the IP address of the Print Server and the name of the printer port that you will be printing to, then press OK.

**Hint:** You can get the Port name from the print server's system information through web browser. Please refer page 19.

10
×

**6.** Click **OK** to leave the LPR for TCP/IP Printing Properties window.

LPR for TCP/IP Printing Properties		×
Ports Settings		
Port List		-
Add Port	Delete Por	t
	ОК	Cancel

## **Printing from Windows 95/98/Me**

After you have added the necessary printer ports, you can add a printer device for printing to the port. To enable printing to an lpr-accessible printer port from Windows 95/98/Me,

- **1.** From the Start menu, choose the Settings submenu, then the Printers item within it. Windows will display the Printers folder.
- 2. Double-click on the Add Printer icon in the Printers folder.



Windows will start the Add Printer Wizard.



Click the **Next** > button to continue to the next screen.

**3.** Choose the **Network Printer** selection and click the **Next** > button to continue.



**4.** Enter the name of the port, as displayed in the LPR for TCP/IP Printing Port List.



Alternatively, you can click **Browse...** and locate the printer port. TCP/IP printing ports are located under the Entire Network icon, within the Print Servers - TCP/IP LPR icon.



Press **OK** when you have located the proper printer port.

Click **Next** > to continue to the next step.

- 5. At this point Windows will ask you to choose the correct printer driver for the printer. Choose you printer's make and model from the list, or use the driver disk included with the printer. When you have chosen the correct printer, click Next > to continue.
- 6. Windows will then ask for a name for the new printer, and ask whether or not you want to set the printer as the Windows default printer. Click **Finish** (or **Next** >) to continue.



7. Windows may ask you whether or not you wish to print a test page to make sure that the printer will work correctly. When the test page is done printing, you will be asked whether or not the test page printed.

## **Setting TCP/IP Printing Settings**

The lpr client's Properties dialog allows you to change several of the client's settings. To change these settings,

- 1. From the **Start** menu, choose the **Settings** submenu, then the **Control Panel** item within it. Windows will display the Control Panel folder.
- 2. Double-click on the Network icon in the Control Panel folder.



**3.** Choose the LPR for TCP/IP Printing client and click the **Properties** button.

Network ? 🗙			
Configuration   Identification   Access Control			
The following network components are installed:			
Elient for Microsoft Networks			
Client for NetWare Networks			
LPR for TCP/IP Printing			
INE 2000 Compatible Bratecol			
Verber NetBEIII			
Add <u>R</u> emove <u>Properties</u>			
Client for NetW/are Networks			
<u>File and Print Sharing</u>			
Description			
LPR for TCP/IP Printing (v1.00/1997-08-08) enables you to connect to and use the printers connected on the Print Server			
devices that support TUP/IP LPR printing protocol.			
OK Cancel			

**4.** Click on the Settings tab to access the lpr client settings. Change the settings as necessary, and press **OK** to let the changes take effect.

LPR	for TCP/IP Printing Pro	perties		×
P	orts Settings			
	Communication Settings			
	Communication Timeout :	5	seconds	
	Retry Interval :	15	seconds	
	Retry Times :	16	times 🔽 Infinite	
	- Spool Settings			
	Spool Path : C:WVIN95	SYSTEMIL	PRSPOOL	
			<u>B</u> rowse	
			OK Cancel	

The parameters are as follows:

- Communication Timeout Determines how long, in seconds, the system will wait before determining that it has lost connection with lpr/lpd print servers.
- **Retry Interval** Determines how long, in seconds, the system will wait before retrying a lost connection.
- **Retry Times** Determines how many times the system will retry a lost connection with an lpr/lpd print server. If **Infinite** is checked, it will retry indefinitely.
- **Spool Path** Gives the directory path where the system will temporarily store lpr/lpd print server job files.

# 6

## PRINTING IN WINDOWS 2000/XP

### Setting Up Windows 2000 TCP/IP Printing

Following is the correct procedure for setting up TCP/IP LPR printing under Windows 2000.

Click **Start > Settings > Printers**. Double Click "**Add Printer**" Select "**Local Printer**"

Add Printer Wizard	
Local or Network Printer Is the printer attached to your computer?	
If the printer is directly attached to your com another computer, or directly to the network C Local printer Automatically detect and install my F Network printer	puter, click Local printer. If it is attached to c, click Network printer. Plug and Play printer
	< <u>B</u> ack <u>N</u> ext > Cancel

#### Create a new "Standard TCP/IP Port"

Add Printer Wizard			
Select the Printer Computers comm	Port nunicate with printers throug	gh ports.	
Select the port yo new port.	ou want your printer to use.	If the port is not listed, you can creat	tea
C <u>U</u> se the follow	wing port:		
Port	Description	Printer	<b>▲</b>
LPT1:	Printer Port		
LPT2:	Printer Port		
	Serial Port		
COM2:	Serial Port		=1
LUUM3-	Serial Port	<u>_</u>	<b>_</b>
Note: Most c	omputers use the LPT1: po	rt to communicate with a local printer.	
Create a new	port:		
Type:	Standard TCP/IP	Port	<b>-</b>
	,		_
		<back next=""></back>	Cancel

Click "Next"

Add Standard TCP/IP Printer	Port Wizard	×
	Welcome to the Add Standard TCP/IP Printer Port Wizard	
	You use this wizard to add a port for a network printer.	
	Before continuing be sure that: 1. The device is turned on. 2. The network is connected and configured.	
	To continue, click Next.	
	< Back	:

Input the IP Address of the Print Server, and the Port name of the Port that will be printed to, then click "**Next**".

**Hint:** You can get the Port name from the print server's system information through web browser. Please refer page 19.

Add Standard TCP/IP Printer Po	rt Wizard	×
Add Port For which device do you war	nt to add a port?	
Enter the Printer Name or IP a	address, and a port name for the desired device.	
Printer Name or IP <u>A</u> ddress:	192.168.0.1	
Port Name:	PS-00DF17-P2	
	< <u>B</u> ack <u>N</u> ext >	Cancel

Select "Custom", and click "Settings".

Add Standard TCP/I	Printer Port Wizard	×
Additional Port In The device co	formation Required Id not be identified.	
The detected devic 1. The device is pro 2. The address on Either correct the ad previous wizard pag	e is of unknown type. Be sure that: berly configured. he previous page is correct. dress and perform another search on I e or select the device type if you are s	the network by returning to the ure the address is correct.
Device Type		
C <u>S</u> tandard	eneric Network Card	<b>T</b>
• <u>C</u> ustom <u>[</u>	S <u>e</u> ttings	
	< <u>B</u> a	ck <u>N</u> ext > Cancel

Select "LPR", and put the Port name in the field labeled "Queue Name". Then Click "OK".

Configure Standard TCP/IP Po	rt Monitor
Port Settings	1
Port Name:	PS-00DF17-P2
Printer Name or IP <u>A</u> ddress:	192.168.0.1
Protocol O <u>B</u> aw	€ LPR
Raw Settings Port Number: 910	0
LPR Settings	00DF17-P2
LPR Byte Counting Enabl	ed
SNMP Status Enabled	
Community Name: pub	lic
SNMP Device Index: 1	
	OK Cancel

#### Click "Next".

Add Standard TCP	/IP Printer Port Wizard			X
Additional Por The device	t Information Required could not be identified.			
The detected de 1. The device is 2. The address of Either correct the previous wizard p	vice is of unknown type. Be properly configured. on the previous page is correc address and perform anothe page or select the device type	sure that: ct. r search on the net e if you are sure the	work by returning address is correc	to the t.
Device Type-				
C <u>S</u> tandard	Generic Network Card			7
• <u>C</u> ustom	Settings			
		< <u>B</u> ack	<u>N</u> ext >	Cancel

#### Click "Finish"



The Printer Install Wizard will now prompt for drivers. Select the correct Make and Model, or click "**Have Disk**", to provide the Manufacturer's Driver Disk.

Add Printer Wizard
Add Printer Wizard The manufacturer and model determine which printer to use.
Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for a compatible printer.
Manufacturers:       Printers:         Epson       HP DeskJet 340         Fuiltsu       HP DeskJet 340 (Monochrome)         GCC       HP DeskJet 400 (Monochrome)         Generic       HP DeskJet 400 (Monochrome)         HP DeskJet 400 (Monochrome)       HP DeskJet 400 (Monochrome)         HP DeskJet 400 (Monochrome)       HP DeskJet 400 (Monochrome)         HP DeskJet 400 (Monochrome)       HP DeskJet 420 (Monochrome)         HP DeskJet 420 (Monochrome)       HP
< <u>B</u> ack <u>N</u> ext > Cancel

Click "Next".

Jse	e Existing Driver A driver is already installed for this printer. You can use or replace the existi driver.	ng	Ę
	HP DeskJet 500		
	Do you want to keep the existing driver or use the new one?		
	<ul> <li>Keep existing driver (recommended)</li> </ul>		
	C <u>R</u> eplace existing driver		
		_	
	< <u>B</u> ack <u>N</u> ext>	Car	nce

Select a "**Printer Name**".

Add Printer Wizard	
Name Your Printer You must assign a name for this printer.	Þ
Supply a name for this printer. Some programs do not support server and printer name combinations of more than 31 characters.	
Printer name:	
HP DeskJet 500	
< <u>B</u> ack <u>N</u> ext > Cancel	

Sharing can be enabled here.



Also, a Test Page can be printed to confirm proper configuration.

Add Printer Wizard			
Print Test Page To confirm that the printer is installed prope	rly, you can prin	t a test page.	Ś
Do you want to print a test page?			
• Yes			
⊂ N <u>o</u>			
	< <u>B</u> ack	<u>N</u> ext >	Cancel
		<u></u>	

When the Test Page has been printed, click "**Finish**" to complete the installation.

Add Printer Wizard		
	Comple Wizaro	eting the Add Printer 1
	You have s	uccessfully completed the Add Printer wizard.
	You specifie	d the following printer settings:
	Name: Shared as: Port: Model: Default: Test page:	HP DeskJet 500 <not shared=""> PS-00DF17-P2 HP DeskJet 500 Yes Yes</not>
	To close thi	s wizard, click Finish.
		< Back Finish Cancel

## **Setting Up Windows XP TCP/IP Printing**

Following is the correct procedure for setting up TCP/IP LPR printing under Windows XP.

Click Start > **Printer and Faxes** Double Click "**Add a Printer**" Click "**Next**"



#### Select "Local Printer"

Local or Network Printer The wizard needs to know wh	nich type of printer to set up.
Select the option that describe	es the printer you want to use:
<ul> <li>Local printer attached to the</li> </ul>	nis computer
Automatically detect a	nd install my Plug and Play printer
🔘 A network printer, or a prin	ter attached to another computer
To set up a network use the "Local printe	printer that is not attached to a print server, " option.

#### Create a new "Standard TCP/IP Port"



#### Click "Next"



Input the IP Address of the Print Server, and the Port name of the Port that will be printed to, then click "**Next**".

**Hint:** You can get the Port name from the print server's system information through web browser. Please refer page 19.

Add Port For which device do you wan	t to add a port?
Enter the Printer Name or IP a	ddress, and a port name for the desired device.
Printer Name or IP Address:	192.168.0.1
Port Name:	PS-00DF17-P1
	<back next=""> Cancel</back>

Select "Custom", and click "Settings".

The device	t Information Required could not be identified.		
The detected de 1. The device is	vice is of unknown type. Be sure properly configured.	e that:	
2. The address Either correct the	on the previous page is correct. address and perform another se	arch on the network by reti	urning to the
previous wizard (	page or select the device type if y	you are sure the address is	correct.
Device Tupe			
Device Type	Benetic Network Card		
Device Type O Standard O Custom	Beneric Network Card		×

Select "LPR", and put the Port name in the field labeled "Queue Name". Then Click "OK".

Port Name:		PS-00DF17-P1
Printer Name or IP Add	dress:	192.168.0.1
Protocol		
O Raw		⊙ LPR
Raw Settings		
Port Number.	910	0
LPR Settings		
Queue Name:	PS-	00DF17-P1
🔲 LPR Byte Countin	ng Enable	ed
SNMP Status En	abled	
Community Name:	pub	ic
SNMP Device Index	c 1	

Click "Next".

Additional Por The device	rt Information Required could not be identified.	No.
The detected de	evice is of unknown type. Be sure that	
2. The address	on the previous page is correct.	
Either correct the	e address and perform another search on the network by returning to the	
	a see and provide the provide the second s	
previous wizard (	page or select the device type if you are sure the address is correct.	
previous wizard (	page or select the device type if you are sure the address is correct.	
previous wizard (	page or select the device type if you are sure the address is correct.	
previous wizard ( Device Type	page or select the device type if you are sure the address is correct.	
Device Type	page or select the device type if you are sure the address is correct. Benetic Network Card	~
Device Type O Standard	page or select the device type if you are sure the address is correct.           Beneric Network Card           Settings	
Device Type O Standard	page or select the device type if you are sure the address is correct.           Benetic Network Card           Settings	

#### Click "Finish"



The Printer Install Wizard will now prompt for drivers. Select the correct Make and Model, or click "**Have Disk**", to provide the Manufacturer's Driver Disk. Click "**Next**".

Install Printer Soft The manufacturer	vare and model	determine which printer software to use.
Select the manu disk, click Have compatible print	ufacturer ar 9 Disk. If yo er software	nd model of your printer. If your printer came with an installation ur printer is not listed, consult your printer documentation for
Manufacturer	~	Printers
Agfa Alps Apollo Apple APS-PS		AGFA-AccuSet v52.3 AGFA-AccuSetSF v52.3 AGFA-AccuSet 800 AGFA-AccuSet 800SF v52.3
This driver is digitally <u>Tell me why driver s</u>	) signed. Igning is imp	Windows Update Have Disk

#### Select a "Printer Name".

Name Your Printer	
You must assign a name to the	his printer.
Type a name for this printer. E name combinations of more the	Because some programs do not support printer and server han 31 characters, it is best to keep the name as short as
Drivber server	
HP Color LaserJet	

A Test Page can be printed to confirm proper configuration.

Print Test Page To confirm that the printer is	installed pro	perly, you can p	rint a test page.	4
Do you want to print a test p	age?			
⊙ Yes				
O No				
		-		1

When the test page has been printed, click "**Finish**" to complete the installation.



# 7

# PRINTING IN MAC OS

## **Rendezvous Uses in MAC OS 10.2**

The latest version of MAC OS provides a new feature that is called **Rendezvous**. Rendezvous is a revolutionary networking technology standard that lets you create an instant network of computers and devices, which can be used throughout Mac OS 10.2 to provide innovative ways to share files and printers and even contact other people on the network.

For the printer connection, the Mac OS 10.2 Print Center application uses Rendezvous to discover Rendezvous-enabled printers on the network. When you add your computer to a network, Print Center automatically discovers the available printers. All you have to do is selecting the one you want to use and then start printing. You can add a new printer to the network and all the users on the network will see the new printer automatically appear in their Print Center, without any configuration.

The following instructions provide a common procedure of installing the printer:

1. Launch Print Center. Press and hold the Option key, click the Add button.

000		Print	er List		0
Make Default	Add		Configure	0	
Name				Status	

2. Select **Rendezvous** from the pop-up menu.

000	AppleTalk Directory Services	0
	✓ Rendezvous	
Name	USB	
PS-8251C6-U1 PS-B338A2-U1	local. local.	
Printer Model:	Generic	\$
	Can	( bbb )

**3.** When clicking the **Rendezvous** item, the following window appears to display the connected Rendezvous-enabled printers.

000	Printer List 🔘	
	Rendezvous	
Name PS-8251C6-U1 PS-B338A2-U1	Location local. local.	
	Connected printer(s)	
Printer Model:	Ceneric Cancel Add	

4. Select the desired printer, and the following pop-up menu displays the printer's manufacturer. Select Generic.

000	Prin	iter List	$\bigcirc$
	Rendezvous	•	
Name		Location	
PS-8251C6-U1		local.	
rinter Mod 1:	Auto Sele ✓ Generic	ct	
	Other		
	Other Apple	(Cancell )	44
	Other Apple Brother	(Cancel)	<b>K</b> (1
	Other Apple Brother ESP	(Cancel )	
7	Other Apple Brother ESP HP	(Cancel)	
7	Other Apple Brother ESP HP Lexmark	(Cancet)	
2	Other Apple Brother ESP HP Lexmark Tektronix	(Cancel) (	

**5.** The printer is installed into the system successfully.

