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ABOUT THIS GUIDE

This manual provides instructions and illustrations on how to use your 10/100Mbps Parallel **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 98SE/ME**, lets you complete printing task through your print server in Windows 95 and 98SE environment.
- Chapter 6, **Printing in Windows 7/Vista/XP/2000**, lets you complete printing task through your print server in Windows 7, Vista, XP and 2000 environment.
- Chapter 7, **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 10/100Mbps Parallel Print Server, the easiest and fastest way to deploy printers on your network.

This compact print server can connect your network through a switch or hub 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 10/100Mbps Parallel 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 inspect that you have the following:

- One TE100-P1P
- One AC Power Adapter suitable for your country's electric power service.
- One Multiple-Language 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 7/Vista/2003 Server/XP/2000/ME/98SE

Apple Mac OS 10.1~10.6

• 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 98SE/ME TCP/IP printing
- IP assignment support for DHCP
- Support Web configuration
- Provide Flash memory for easy firmware upgrade
- ♦ Support IPP for Windows 7/Vista/2003 Server/XP/2000
- Support second http port for remote web configuration.

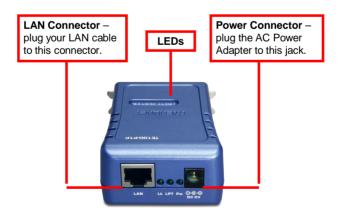
Product View

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

Front View



Rear View



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

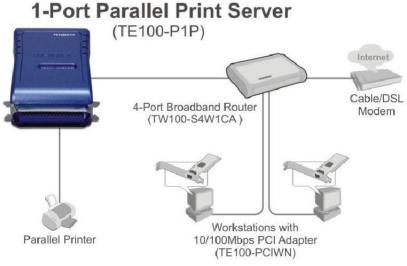
LEDs	Description
Power	Steady light confirms that the Print Server is powered on.
LPT	When it is blinking, the printer connected is printing.
Link/Act	Steady light confirms that the print server has a good connection to your network.
	When it is blinking (briefly dark), the print server is receiving/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

2

HARDWARE INSTALLATION

Networking Application

The following diagram explains the application of your print server.



Network Print Server Solution

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.

3

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.



• **PS Wizard** – click to setup printer port connectivity

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- **Install Utility** click to install PS-Utility. Please refer to the next section for detailed information on installing the utility.
- User's Guide click to preview the *User's Guide* in PDF format for detailed information of the Print Server.
- Product Registration- click to register your product on-line
- **Exit** click to close the Auto-Run program.

PS-Utility

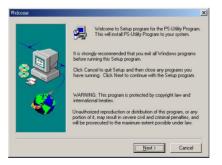
To avoid the conflict in your network, you can use PS-Utility to change the related settings of your print server (such as the IP address) after finishing the installation.

Installing PS-Utility

1. Insert CD-ROM into CD-ROM drive. Click *Install Utility* > PS Utility.



2. Click Next >.



3. Choose the destination location. If there is no specific destination, leave it as the default setting and click *Next* >.

	Setup will install PS-Utility Program in the I	following directory.
San San San	To install to this directory, click Next.	
	To install to a different directory, click Bro directory.	wse and select another
	You can choose not to install PS-Utility Pr Cancel to exit Setup.	rogram, by clicking
	Cancer to exit Setup.	
1924		
	Destination Directory	
	C:\Program Files\PS Utility\	Browse

- **4.** The InstallShield Wizard starts to install the software, and the Progress bar indicates the installation is proceeding.
- 5. 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\TRENDnet**.

Using PS-Utility

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

1. Click Start → Programs → TRENDnet, and then click the PS-Utility item.

1	Programs	, 6	Accessories	•			
-	110gramb	6	TRENDnet	• 🖬	PS-Utility	• 6	PS-Utility v3.11
Ò	Documents	•	×		Web Smart Switch Management Utility	+	unInstall 3.11
1.	Settings	•		Ē	IPSetup	۱	
P	Search	•				_	
?	Help and Support						
3	Run						
0	Shut Down						

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

Device Name PS-116688	Setup Wiza	rd	Update Firmware
Your print server	Change IP Add	Iress	Factory Reset
	Show Web S	etup	Print Test
	Information		
	MAC Address	00 ff ff	11 66 88
	IP Address	192.1	68.0.1
	Model	TE100	I-P1P
	Status	Runni	ng
	Firmware	4.06	
	UpTime	0 days	s, 00:10:20
Discover Device	About	1	Close

Component Features:

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



Control Buttons

- Setup Wizard: Click this button to setup the configuration
- Update Firmware: Click this button to update the firmware of the selected print server.
- **Factory Reset:** Click this button to reload the factory settings of the print server.
 - 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**.

Manually Assig	n			
IP Address	192	. 168	. 0	. 1
Subnet Mask	255	. 255	. 255	. 0
Default Gateway	1	. 0	. 0	. 0
ODHCP Assign A	utoma	tically		

- 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.
- **Print Test:** Once the printer has been setup, click this button to test a page
- **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.

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



4 Status Bar: Display the system status.

PS Wizard

PS Wizard is a convenient utility that allows you to set up the print server's port connection.

Windows 7/Vista/2003 Server/2000

1) Insert the Installation CD-ROM into your computer's CD-PS Wizard click ROM drive. Click and then Win7/Vista/XP/2000 from the Auto-Run menu screen.



2) Select the print server, select the desired port and then click Add Printer.

Server Name	IP Ad	dress		M	AC	Add	ress		ħ			
PS-XXXXXX	192.1	68.0.1		0	0 14	00 0	00 b	m a	T			
									[Discover		
•	III							۲		Configuratio		
AN												
Dynamic IP (D	HCP)											
Fixed IP												
IP Address :		0		0		0		0				
Subnet Mask	:	0		0		0		0				
Default Gatev	vay:	0		0		0		0		Apply		
ort Information												
Port Name	_	Printer	Мо	del								
PS-XXXXXXX-P1												
									ſ			
									ſ	Add Printe		

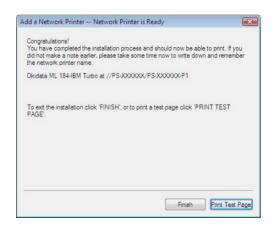
3) Click Select from manufacturer list. Select the appropriate driver for your printer and then click **Next**.

		ed, click 'Select from manufacturer list' to selv an installation disk, click 'Have Disk'.	
Show currently in Select from manu			
Manufacturers		Printer Models	
Oce Oki	*	OKI C9500 PS (MS) OKI Generic Dot-Matrix 24Pin Printer	
Okidata Olivetti		OKI Generic Dot-Matrix 9Pin Printer OKI MICROLINE 184 TURBO+	
Panasonic QMS Bicoh		OKI MICROLINE 320 TURBO OKI MICROLINE 321 TURBO OKI MICROLINE 380 TURBO	
Samsung	+	OKI MICROLINE 381 TURBO	+

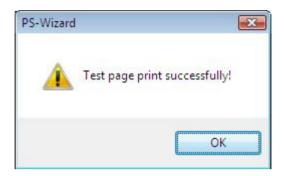
4) Click Next.

Port Name :	PS-X00000X-P1
Printer Model :	
Printer Driver :	Okidata ML 184-IBM Turbo
Vetwork Printe	r Name : Jata ML 184-IBM Turbo at //PS-XXXXX/PS-XXXXXX-P
Use this print	tter as the default printer for Windows-based programs.

5) Click **Print Test Page**.



6) Click OK.



- 7) Click **Finish**.
- 8) Repeat steps 1 to 7 to add the printer to other computers on the network.

Windows 98SE/ME

 Insert the Installation CD-ROM into your computer's CD-ROM drive. Click PS Wizard and then click 98SE/ME from the Auto-Run menu screen. The welcome screen appears below. Click Next >.



NOTE: For some specific printers, you may need to connect the printer to the computer and install the driver. In this case, connect it to the computer and install the driver first, and then connect it to the print server.

2. In the following window, select one printer in the Printer List to set up port connection, and then click *Next* >.

Print Server S	Setup Wizard v1.20	×
Printer Li	ist se select a printer	
Ficas		S/
\$	۵	
Okidata ML 18	Snaglt 8	
	K	
	Choose one connected printer within the network.	
	< Previous Car	ncel

3. Select the printer port in the Print Server List, and click Next >.

Print Server Setup Wizard v1.20
Find Print Server Image: Constraint Server Please select a print server. Image: Constraint Server
Print Servers:
Your printer port name Choose one connected printer port.
Information Server Name: PS-XXXXX Port Name: PS-XXXXX-P1 IP Address: 192.168.0.1 MAC Address: 00 00 00 00 00 00
< Previous Cancel

4. The configuration is completed, click *Finish*.

Print Server Setup Wizard v1	.20	×
	Complete Finish after connect - Press Finish! Establish current setting and continue - Press Continue!	
Continue	< Previous Finish Cancel	

5. Click *OK* to reboot the computer.



After rebooting, PS Wizard will help you to complete the port connection automatically. You can start your printing task without any complex configuration.

4

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

	NET ¹	10/100Mbps Parallel Print Server TE100-P1P
Home	Home - Systen	n Information
Setup Wizard	Server Name:	PS-8B1A7A
Change IP Address	Port Name:	P1
Printer Information	Model:	TE100-P1P
Factory Reset	Firmware Version:	4.08 (2006-03-16)
	MAC Address:	00 14 D1 8B 1A 7A
Firmware Upgrade	IP Address:	192.168.0.1 (Manual)
About	Up Time:	0 days, 00:06:25
		Refresh
		Copyright © 2006 TRENDnet. All Rights Reserved.

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

	IET 10/100Mbps Parallel Print Server	
Home Setup Wizard Change IP Address Printer Information Factory Reset Firmware Upgrade About	Setup Wizard - System Server Name: PS-881A7A Port Name: P1 Print Speed: High v Password: Next	
	Copyright © 2006 TRENDnet. All Rights Reserve	d.

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

System

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

Setup Wizard - System		
Server Name:	PS-881A7A	
Port Name:	P1.	
Print Speed:	High 🐱	
Password:		
(Next	

Server Name: Assign a name to the print server. The default server name is set to PS (the prefix of print server) following by the last 6 digits of the Mac address.

Port Name: Assign the Port Name for the print server

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

NOTE: Password must within 3-8 characters. Failed to follow it will not active the password function.

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*.

Setup Wizard - IP Address		
IP Address:	Manually Assign ID2 150 0 1 ■	
	IP Address : 192.168.0.1 Subnet Mask : 255.255.255.0	
	Default Gateway : 0.0.0.0	
	O Automatically Assign	
	Next	

Microsoft Network

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

Setup Wizard - Microsoft Network		
Workgroup:	WORKGROUP	
	Next	

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.

Setup Wizard - Second HTTP Port		
Second HTTP Port:	 Enable O Disable Port Number : 81 	
	(For Remote Web Configuration and IPP Printing)	

Save to Print Server

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

Setup Wizard -	Save to Print Server
Server Name:	PS-8B1A7A
Port Name:	P1
Print Speed:	High
IP Address:	192.168.0.1
Subnet Mask:	255.255.255.0
Default Gateway:	0.0.0.0
Workgroup:	WORKGROUP
Second HTTP Port:	Enable (Port - 81)
Password:	
Do you want to save settings to Print Server ?	
Yes No	

The Setup Wizard has been completed.

Change IP Address

	NET 10/100Mbps Parallel Print Server TE100-P1P
Home Setup Wizard Change IP Address Printer Information Factory Reset Firmware Upgrade About	Change IP Address IP Address: O Manually Assign IP Address : 192.168.0.1 Subnet Mask : 255.255.255.0 Default Gateway : 0.0.0 O Automatically Assign Save Cancel
	Copyright © 2006 TRENDnet. All Rights Reserved.

This feature is helping you to change IP address only. If you have run the Setup Wizard already, you may skip this procedure. Please type in IP address that applies to your existing network (i.e. 192.168.X.X) Type in the Default Gateway (i.e. your router's local IP address).

Printer Information

	INET ¹	0/100Mbps Parallel Print Server TE100-P1P
Home Setup Wizard Change IP Address Printer Information Factory Reset Firmware Upgrade About		Hewlett-Packard HP LaserJet 6L SET:HP ENHANCED PCL5, PJL
		Copyright © 2006 TRENDnet. All Rights Reserved.

"**Printer Information**" will display all printer information such as Manufacturer, Model Number, Command Set and Status.

Factory Reset

	NET 10/100Mbps Parallel Print Server TE100-P1P
Home Setup Wizard Change IP Address Printer Information Factory Reset Firmware Upgrade About	Factory Reset Do you want to restore Print Server to factory default setting? Yes
	Copyright © 2006 TRENDnet. All Rights Reserved.

Please click **Yes** to restore the factory default setting.

Firmware Upgrade

	NET 10/100Mbps Parallel Print Server
Home Setup Wizard Change IP Address Printer Information Factory Reset Firmware Upgrade About	Firmware Upgrade Current Firmware Version and Date: 4.08 (2006-03-16) Select a Firmware File : Browse Upgrade Cancel
	Copyright © 2006 TRENDnet. All Rights Reserved.

The firmware can be easily upgrade through "Firmware Upgrade" feature. Click *Browse* to get the firmware file, and then click *Upgrade* to flash firmware. The new firmware can be downloading from <u>www.trendnet.com</u> once it is available.

About

	NET	10/100Mbps Parallel Print Server TE100-P1P
Home Setup Wizard Change IP Address Printer Information Factory Reset Firmware Upgrade About	About Print Server v4.08	
		Copyright © 2006 TRENDnet. All Rights Reserved.

This screen displays the information of the print server.

5

PRINTING IN WINDOWS 98SE/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 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 98SE/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 98SE/Me TCP/IP settings. You can install the protocol from the Network control panel if necessary.
- 2. 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.



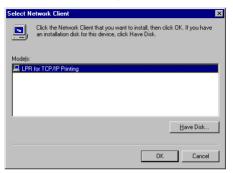
Network

- 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.



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
B NE2000 Compatible
FIFX/SPX-compatible Protocol
Add <u>R</u> emove <u>Properties</u>
Primary Network Logon:
Client for NetWare 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 TCP/IP LPR printing protocol.
DK 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	
	1
The following network components are installed:	L
Elient for Microsoft Networks	L
Elient for NetWare Networks	L
LPR for TCP/IP Printing	L
B NE2000 Compatible	L
IPX/SPX-compatible Protocol NetBEUI	L
	L
	L
Add <u>R</u> emove <u>Properties</u>	L
Primary Network Logon:	L
Client for NetWare Networks	L
	L
Eile and Print Sharing	L
	L
LPR for TCP/IP Printing (v1.00/1997-08-08) enables you to	L
connect to and use the printers connected on the Print Server	L
devices that support TCP/IP LPR printing protocol.	L
	1
	4
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 21.

0		10	
Add Port			×
IP Address :			
202.39.74.188			
Port Name :			
PS-AA20AC-P1			_
1-3-2040-11			
	- n - 1		
ОК	Cancel		

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

LPR for TCP/IP	Printing Propertie	es	×
Ports Setting	s		
Port List			
<u>11202.39.7</u>	4.188\PS-AA20AC-F	91	
	dd Port	Delete Port	
		ОК	Cancel

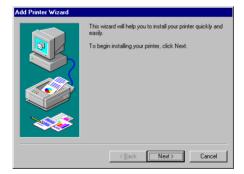
Printing from Windows 98SE/ME

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 98E/ME, please do the following.

- **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.

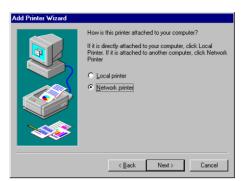


Windows will start the Add Printer Wizard.



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.

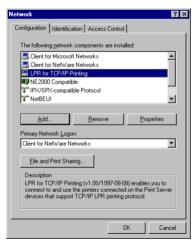
Setting TCP/IP Printing Settings

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.



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 Properties
Ports Settings
Communication Settings
Communication Timeout : 5 seconds
Retry Interval : 15 seconds
Retry Times : 16 times 🔽 Infinite
Spool Settings Spool Path : C:WIN95/SYSTEM/LPRSPOOL
Browse
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 7/VISTA/XP/2000

Setting Up Windows 7/Vista TCP/IP Printing

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

Click Start > Control Panel > **Printers** Click "**Add a Printer**" Click "**Add a local printer**"



Select **Create a new port**, select **Standard TCP/IP Port** and then click **Next**.

+	
t	
nection that allows your computer to exchange information with a	э
LPT1: (Printer Port)	
Standard TCP/IP Port	•

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 25-26.

Type a printer hostr	ame or IP address
Device type:	TCP/IP Device
Hostname or IP <u>a</u> ddress:	192.168.0.1
Port name:	192.168.0.1
U Query the printer and au	tomatically select the driver to use

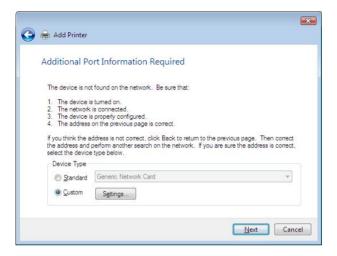
Select "Custom", and click "Settings".

	ort Information Required	
The device is no	t found on the network. Be sure that:	
1. The device is 2. The network		
3. The device is	is connected. s properly configured. on the previous page is correct.	
	ddress is not correct, click Back to return to the p	revious page. Then correct
the address and	perform another search on the network. If you are to be below.	
Device Type		
	Generic Network Card	*

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

Configure Standard TCP/IP Port	Monitor 💽
Port Settings	
Port Name:	192.168.0.1
Printer Name or IP <u>A</u> ddress:	192.168.0.1
Protocol © <u>R</u> aw	⊚ <u>L</u> PR
Raw Settings Port Number: 9100	
LPR Settings Queue Name: P1	
LPR Byte Counting Enabled	
SNMP Status Enabled	
Community Name: public	
SNMP Device Index:	
	OK Cancel

Click "Next".



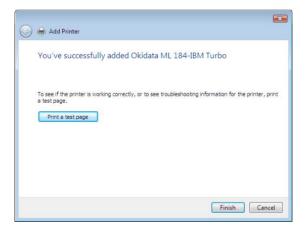
The Printer Install Wizard will now prompt for drivers. Select the correct Make and Model, or click "**Have Disk**", to provide the Manufacturer's Driver Disk. Click "**Next**".

Install the printer	driver		
	Disk. If you	d model of your printer. If your printer came with ur printer is not listed, consult your printer docur	
compatible print	or contract.		
Manufacturer	*	Printers	
Okidata Olivetti		OKI MICROLINE 8480FB	
Panasonic		Vokidata ML 184-IBM Turbo	
		Okidata ML 186	

Select a "Printer Name".

		-
) 🖶 Add Printer	r	
Type a print		
Type a print		
Printer name:	Okidata ML 184-IBM Turbo	
	Set as the default printer	
This printer will be	e installed with the Okidata ML 184-IBM Turbo driver.	

A Test Page can be printed to confirm proper configuration.



Once a test page has been sent to your printer, click Close.



Click Finish.

🕞 🖶 Add Printer
You've successfully added Okidata ML 184-IBM Turbo
To see if the printer is working correctly, or to see troubleshooting information for the printer, print a test page. Print a test page
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**"



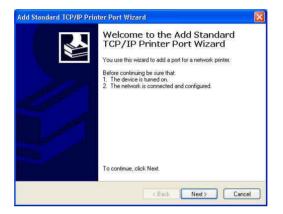
Select "Local Printer"

	letwork Printer zard needs to know which type of printer to set up.
Select	he option that describes the printer you want to use:
⊙ Loc	al printer attached to this computer
	Automatically detect and install my Plug and Play printer
⊖ A n	etwork printer, or a printer attached to another computer
į	To set up a network priviter that is not attached to a print server, use the "Local printer" option.
	(Back Next) Cance

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 21.

Enter the Finter Name of IF a	ddress, and a port name for the desired device.
Printer Name or IP Address:	192.168.0.120
Port Name:	P1

Select "Custom", and click "Settings".

Additional Por	IP/IP Printer Port Wizard Information Required sould not be identified.	
The device is no	found on the network. Be sure that:	
 The address If you think the a 	s connected. properly configured. on the previous page is correct. Idress is not correct, click Back to return to the p enform another search on the network. If you a	
Device Type	-	
O Standard	Generic Network Card	~
 Custom 	Settings	
	< Back	Next > Cancel

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

Port Settings			
Port Name:	PS-11	16688	
Printer Name or IP Address	192.1	192.168.1.120	
Protocol Raw	20	⊙ LPR	
Raw Settings			
Port Number:	9100		
LPR Settings			
Queue Name:	P1		
LPR Byte Counting E	nabled		
SNMP Status Enable	d		
Community Name:	public		
SNMP Device Index:	1		

Click "Next".

Add Standard T	P/IP Printer Port Wizard 🛛 🛛 🔀
	Information Required Sould not be identified.
 The device is The network The device is The address If you think the address 	s connected. properly configured. In the previous page is correct. Idress is not correct, click Back to return to the previous page. Then correct reform another search on the network. If you are sure the address is correct,
Device Type	
🔘 Standard	Generic Network Card
O Custom	Settings
	< Back Next > Cancel

Click "Finish"

Add Standard TCP/IP Printe	r Port Wize	ard	×
	Completing the Add Standard TCP/IP Printer Port Wizard You have selected a port with the following characteristics.		
4	SNMP: Protocol: Device: Port Name: Adapter Type:	No LPR, P1 192.168.0.120 P1	
	To complete ti	nis wizard, click Finish. < Back Finish Cancel	

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 Softwar The manufacturer an	re d model determine which printer software to use.	
	cturer and model of your printer. If your printer came with an isk. If your printer is not listed, consult your printer document software.	
Manufacturer	Printers	
Gestetner HP	HP LaserJet 5Si MX	
BM	HP LaserJet 55i/55i MX PS	
infotec Iwatsu	HP LaserJet 6MP	
iwatsu		
Y This driver is digitally sig	gned. Windows Update Ha	ve Disk
Tell me why driver sign	ing is important	

Select a "Printer Name".

Name Your Printer	
You must assign a name to thi:	s printer.
Type a name for this printer. Be name combinations of more the possible.	ecause some programs do not support printer and server an 31 characters, it is best to keep the name as short as
Printer name:	
HP Color LaserJet	
1	

A Test Page can be printed to confirm proper configuration.

dd Printer Wizard	
Print Test Page To confirm that the printer is installed proj	perly, you can print a test page.
Do you want to print a test page?	
⊙ Yes	
O No	
	<back next=""> Cancel</back>

When testing page is done, click "finish" to complete the installation.

Add Printer Wizard					
	Completing the Add Printer Wizard				
	You have successfully completed the Add Printer Wizard. You specified the following printer settings:				
	Name: HP LaserJet 6L				
	Share name:	<not shared=""></not>			
	Port	P1			
	Model:	HP LaserJet 6L			
and the second	Default	Yes			
	Test page:	Yes			
	To close this	wizard, click Finish.			
	TO CIOSE UNS	Wizdid, Click Finish.			
		< Back Finish Cancel			

Setting Up Windows 2000 TCP/IP Printing

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

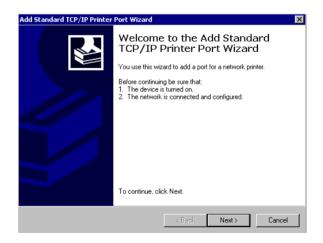
Click Start > Settings > Printers. Double Click "Add Printer" Select "Local Printer"

		tached to
Plug and Play pri	nter	
< Back	Next >	Cancel
	rk, click Network y Plug and Play pri	mputer, click Local printer. If it is at rk, click Network printer. y Plug and Play printer < Back Next >

Create a new "Standard TCP/IP Port"

Add Printer Wizard			
Select the Printe Computers com	r Port municate with printers throu	gh ports.	Ì
Select the port new port.		If the port is not listed, you car	n create a
Port	Description	Printer	
LPT2: LPT3: COM1: COM2: COM3: COM4:	Printer Port Printer Port Serial Port Serial Port Serial Port Serial Port		
Note: Most	computers use the LPT1: po	ort to communicate with a local p	printer.
Create a ne	w port:		
Туре:	Standard TCP/IP	Port	
		< Back Next >	Cancel

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 21.

Standard TCP/IP Printer Por Add Port For which device do you want		17		
Enter the Printer Name or IP a	ddress, and a	port name for	the desired devi	ce.
Printer Name or IP Address:	192.168.0	.120		
Port Name:	P1			
		< Back	Next >	Cancel

Select "Custom", and click "Settings".

Add Standard TCP	/IP Printer Port Wizard			×
	t Information Required could not be identified.			
 The device is The address of Either correct the 	vice is of unknown type. Be properly configured. In the previous page is corre address and perform anothe bage or select the device typ	ct. er search on the nel		
Device Type				
C Standard	Generic Network Card			7
Custom	Settings			
		< Back	Next >	Cancel

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

nfigure Standard TCP/	IP Port	Monitor		? >
Port Settings				
Port Name:		P1		
Printer Name or IP Addre	ss:	192.168.0.1	20	
Protocol				
C Raw			LPR	
- Raw Settings				
Port Number:	9100			
LPR Settings				
Queue Name:	P1			
LPR Byte Counting	Enabled	I.		
SNMP Status Enab	iled			
Community Name:	public			
SNMP Device Index:	1			
			OK	Cancel

Add Standard TCP	/IP Printer Port Wizard			×
	t Information Required could not be identified.			
 The device is p The address of Either correct the 	vice is of unknown type. Be properly configured. In the previous page is corre address and perform anoth bage or select the device typ	ect. er search on the net		
Device Type				
C Standard	Generic Network Card			V
Custom	Settings			
		< Back	Next >	Cancel

Click "Finish"

Add Standard TCP/IP Printer Port Wizard 🛛 🛛 🗙				
	Completing the Add Standard TCP/IP Printer Port Wizard You have selected a port with the following characteristics.			
	SNMP:	No		
	Protocol:	LPR, P1		
	Device:	192.168.0.120		
	Port Name:	P1		
	Adapter Type:			
	To complete th	nis wizard, click Finish.		
		< Back Finish Cancel		

The Printer Install Wizard will now prompt for drivers. Select the correct Brand 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: Furitsu HP Lasselet 55//55i MX PS GCC HP Lasselet 5L Genenic HP Lasselet 5MP Gestether HP Lasselet 6MP HP HP Lasselet 5P/5MP PostScript IBM HP Lasselet 500+ IMP I asselet 500+ Implication
< Back Next > Cancel

Click "Next".

dd Printer Wizard	
Use Existing Driver A driver is already installed for this printer. You can use or replace the exist driver.	ing 🚱
HP LaserJet 6L	
Do you want to keep the existing driver or use the new one?	
 Keep existing driver (recommended) 	
C Replace existing driver	
< Back Next >	Cancel

Select a "Printer Name".

Add Printer Wizard
Name Your Printer You must assign a name for this printer.
Supply a name for this printer. Some programs do not support server and printer name combinations of more than 31 characters. Printer name: HP LaserJet 6L
© Yes C No
< Back Next > Cancel

Sharing can be enabled here.

Add Printer Wizard
Printer Sharing You can share this printer with other network users.
Indicate whether you want this printer to be available to other users. If you share this printer, you must provide a share name.
O not share this printer
C Share as:
< Back Next > Cancel

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

Add Printer Wizard			
Print Test Page To confirm that the printer is installed properly,	you can print	a test page.	Î
Do you want to print a test page?			
Yes			
C No			
	< Back	Next >	Cancel

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



7

PRINTING IN MAC OS

NOTE: **Mac OS printing is supported by Postscript printers only!** Below instruction is for your reference only. The actually screenshots and port names will differ depending on the print server. Below is the port name for each print server:

- TE100-P1P/TEW-P1PG => PS-XXXXXX-P1
- TE100-P1U/TEW-P1UG => U1
- TE100-P21/TEW-P21G => PS-XXXXXX-U1 USB1
 - => PS-XXXXX-U2 USB2
 - => PS-XXXXXX-P3 Parallel1

MAC 10.6 SNOW LEOPARD USER

With Mac OS X Snow Leopard (10.6), you can use Bonjour, Internet Printing Protocol (IPP), Line Printer Daemon (LPD), and HP Jetdirect - Socket printing through Print Server.

1000		10000
E.	1	8
50	0	22
1	-	2

in your Dock to open your System Preferences,

then click Network icon

Click this icon



Select **Ethernet Connection** on the left menu bar, it will display your computer status.

•••		Network		
▲ ► Show All			Q	
	Location:	Automatic	•	
Ethernet Connected Internal Modem Not Connected Bluetooth Not Connected FireWire Not Connected AirPort Off Ethernor (en2) Not Connected		Configure: IP Address:	Connected Ethernet is currently active and has the IP address 192.168.11.40. Manually 192.168.1.40 255.255.255.0	
+ - 0-			Advanced) ()
Click the lock to	prevent further	changes.	Assist me Revert	pply

Adding a Printer

Click this icon in your Dock to open your **System Preferences** window as below.

00			System	Preferences			
< > <	Show All					Q	
Personal							
New New	2		Ŧ	0	Ó	0	
Appearance	Desktop & Screen Saver	Dock	Exposé & Spaces	International	Security	Spotlight	
Hardware							1
8	6		Ø	2			۵
Bluetooth	CDs & DVDs	Displays	Energy Saver	Keyboard & Mouse	Trackpad	Print & Fax	Sound
Internet &	Network						
	۲	Q	۲				
MobileMe	Network	QuickTime	Sharing				
System							
11		* *	(0)	-	2	۲	
Accounts	Date & Time	Parental Controls	Software Update	Speech	Startup Disk	Time Machine	Universal Access

Click the **Print & Fax** icon in **System Preferences** menu to view the menu below.

Show All	Р	rint & Fax	
Click + to add a printer or fax		No Printer Selected	
+ - Click here to add a printer Default Paper Si	Default Printer: ze in Page Setup:	Last Printer Used	
Click the lock to prevent	further changes.		?

Click the add button "+" to add a new printer.

Mac OS X Snow Leopard (10.6) supports five printing protocols:

- 1. Bonjour
- 2. Internet Printing Protocol (IPP)
- 3. Line Printer Daemon (LPD)
- 4. HP Jetdirect Socket

To add an Internet Printing Protocol enabled, Line Printer Daemon

enabled or HP Jet Direct – Socket enabled printer, click the button and follow the instructions to add an IP Printer beginning on "Adding an IP printer" session.

Bonjour-enabled Printers

To add a Bonjour-enabled printer, click the button in the window below.

00					-	C
			8	È		Q
efault Fax	IP	Windows	Bluetooth	AppleTalk	More Printers	Search
Printer Name					Kind	
PS-116688-P3					Bonjour	
PS-116688-U1					Bonjour	
PS-116688-U2					Bonjour	
C	_					
Name:	PS-	116688-	P3			
Location:	Loc	al Zone				
Print Using:	Au	to Select				-
		ning conne	stion			
nê	Oper	ing conne	cuon			
					_	
					0	Add)

Select the printer model from **Printer Name** list and **Kind** type. The printer name selected should be the same as that appearing listed in the Printer Server's web manager. In the example here, the printer name is PS-116688-P3. By default the **Printer Using** will use **Auto**

Select to determine what printer configuration to use. This may also be manually selected in the **Print Using** drop-down menu by brand and model.

Default Fax	IP Windo	ws Bluetooth	AppleTalk	More Printers	Search
Printer Name				Kind	
PS-116688-P3				Bonjour	
PS 116688 U1				Bonjour	
PS-116688-U2				Bonjour	
e					
	PS-1166	0.0			
Name:	PS-1166	88-01			
Location:	-				
Print Using:	Select a	driver to use	l		\$
	Q				
	3300 Serie	s			
	350 Series				
	4300 Serie	!S			
	5200 Serie	s			
	5400 Serie				Ă
	6200 Serie	5			v
				(Add

Click the **Add** button to exit the window and implement the new setting.

The printer that has just been added will show up in the **Printer List** menu, it might take a few seconds depending on network conditions. When the printer appears listed it is ready for use. Quite the **Printer Setup Utility** then start printing.

00	Print & Fax
Show All	Q
	PS-116688-U1 Share this printer Local Zone Kind: 3300 Series Latus: Idle, Default Open Print Queue
+ - Default Printer	r: Last Printer Used
Click the lock to prevent further changes.	0

<u>Adding an IP Printer</u> To add an Internet Printing Protocol enabled, Line Printer Daemon

IP enabled or HP Jet Direct – Socket enabled printer, click the button. Select the desired printing protocol from the Protocol dropdown menu.

$\Theta \cap \Theta$		\bigcirc
	🕘 🖴 🚷 🥏 🛛	-
Default Fax	IP Windows Bluetooth AppleTalk More	Printers Search
Protocol •	Internet Printing Protocol – IPP 7 Line Printer Daemon – LPD HP Jetdirect – Socket	
	Enter host name or IP address.	
Queue:		•
	Leave blank for default queue.	
Name:	No Selection	
Location:	No Selection	
Print Using:	[*
		Add

Type the IP Address of the printer, the name will appear in the **Name** field when the printer is found. This window will indicate that it is verifying the address. If the printer is found, this window will state "Valid and complete address" under the **Address** field.

The printer utility is able to detect the printer and may automatically select the correct printer driver in the **Print Using** field. Or manually select the printer-maker from the **Print Using** drop-down menu, and then select the printer model from the scroll-down list, or select **Generic PostScrip Printer** option from the **Print Using** drop-down menu if the model is not listed. To implement the setting, click **Add** button.

The setup procedures for these three printing protocols (Internet Printing Protocol (IPP), Line Printer Daemon (LPD), and HP Jetdirect – Socket) are basically the same. Please find the example below.

For set up LPD Printing:

- 1. Enter the IP address of the print server to which the printer is attached in **Address** field.
- 2. Type the port name in **Queue** field.

00					\bigcirc
	9 兽	8	ŧ	-	٩
Default Fax	IP Windows	5 Bluetooth	AppleTalk	More Printers	Search
Protocol:	Line Printe	r Daemon ·	- LPD		•
Address:	192.168.0.	10			•
	Valid and com	plete addres:	5.		
Queue:	PS-116688	-U1			•
	Leave blank fo	or default que	ue.		
	102 100 0	10			
Name:	192.168.0.	10			
Location:					
Print Using:	Generic Po	stScript Prin	nter		\$
				(Add

Click **Add** button after done the section of printer model in the **Print Using** drop-down menu.

For set up IPP Printing:

1. Enter the IP address of the print server in **Address** field. After that, enable print server's second port, and type

": second port".

- NOTE: It is highly recommended to configure second port as 631, or any port from 1024 to 65535.
- 2. Type the port name in **Queue** field.

00		C
	🕘 🚔 🚷 🥏 🚔	٩
Default Fax	IP Windows Bluetooth AppleTalk More Printers	Search
Protocol:	Internet Printing Protocol - IPP	\$
Address:	192.168.0.10: second port	•
	Valid and complete address.	
Queue:	PS-116688-U1	
	Leave blank for default queue.	
Name:	192.168.0.10	
Location:		
Print Using:	Generic PostScript Printer	+
	<u></u>	
	_	
	C	Add

Click **Add** button after done the section of printer model in the **Print Using** drop-down menu.

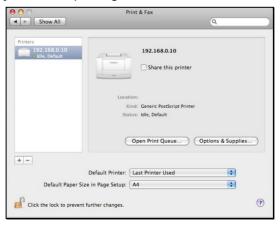
For set up Socket Printing:

- 1. Enter the IP address of the print server to which the printer is attached in Address field. After that, type ": 9100" for port 1, ": 9101" for port 2 or ": 9102" for port 3.
- 2. Keep the blank in queue field.

00		\bigcirc
Default Fax	IP Windows Bluetooth AppleTalk More Printers	Q. Search
Protocol:	HP Jetdirect - Socket	\$
Address:	192.168.0.10: <mark>9100</mark>	
	Valid and complete address.	
Queue:		*
	Leave blank for default queue.	
Name:	192.168.0.10	
Location:		
Print Using:	Generic PostScript Printer	•
	C	Add

Click **Add** button after done the section of printer model in the **Print Using** drop-down menu.

The printer that has just been added will show up in the **Printer List** menu, it might take a few seconds depending on network conditions. When the printer appears listed it is ready for use. Quite the **Printer Setup Utility** then start printing.



MAC 10.5 LEOPARD USER

NOTE: Mac OS printing is supported by Postscript printers only!

With Mac OS X Leopard (10.5), you can use Apple Talk, Bonjour, Internet Printing Protocol (IPP), Line Printer Daemon (LPD), and HP Jetdirect - Socket printing through Print Server.



Click this icon in your Dock to open your System **Preferences**, then click **Network** icon



Select **Ethernet Connection** on the left menu bar to review your computer information.

000	Network		
Show All		٩	
L	ocation: Automatic	•	
Ethernet Connected Connected Not Connected	-	Connected Ethernet is currently active and has the IP address 192.168.11.40.	
Biluetooth Not Connected Siluetooth Not Connected SirPort Off Ethernor (en2) Not Connected		Manually 2 192.168.1.40 255.255.255.0	
+ - *-	nt further changes.	(Advanced) (Assist me) (Revert) (App	?

Click the **Advanced** button and then the **AppleTalk** tab as show below. Select the **Make AppleTalk Active** option, then click **OK** and the **Apply** button. AppleTalk is now active on the system. Now a printer can be added.

TCP/IP DNS	WINS AppleTalk	802.1X	Proxies	Ethernet
	Terratives,	Contractory		
	Make AppleTalk Ac	tive		
AppleTalk Zone:			‡ Ref	fresh Zones
Configure:	Automatically		•	

Adding a Printer

Click this icon in your Dock to open your **System Preferences**, click **Print & Fax** icon.

00			System	Preferences			
	Show All					Q	
Personal							
New Ser	1			0	Ó	9	
Appearance	Desktop & Screen Saver	Dock	Exposé & Spaces	International	Security	Spotlight	
Hardware							1
8	6		0	5			۵
Bluetooth	CDs & DVDs	Displays	Energy Saver	Keyboard & Mouse	Trackpad	Print & Fax	Sound
Internet &	Network						
	۲	Q	۲				
MobileMe	Network	QuickTime	Sharing				
System							
11		**	()	-	2	0	
Accounts	Date & Time	Parental Controls	Software Update	Speech	Startup Disk	Time Machine	Universal Access

The following screen will appear.

000	Print & Fax
Show All	٩
Click + to add a printer or fax	No Printer Selected
+ - Click here to add a printer Default Paper Size in Page	rinter: Last Printer Used
Click the lock to prevent further cha	nges.

Click the add button "+" to add a new printer.

Mac OS X Leopard (10.5) supports five printing protocols: 1. AppleTalk

- 2. Bonjour
- 3. Internet Printing Protocol (IPP)
- 4. Line Printer Daemon (LPD)
- 5. HP Jetdirect Socket

To add an Internet Printing Protocol enabled, Line Printer Daemon

enabled or HP Jet Direct – Socket enabled printer, click the button and follow the instructions to add an IP Printer beginning on "Adding an IP printer" session.

AppleTalk-enabled or Bonjour-enabled Printers

To add an AppleTalk-enabled or Bonjour-enabled printer, click the

Default button below.

3 a (•	8	È	4	Q
fault Fax	IP Wi	ndows	Bluetooth	AppleTalk	More Printers	Search
Printer Name					Kind	
PS-116688-P3					AppleTalk	
PS-116688-P3					Bonjour	
PS-116688-U1					AppleTalk	
PS-116688-U1					Bonjour	
PS-116688-U2					AppleTalk	
PS-116688-U2					Bonjour	
Name: Location:	And Annual Contractor		P3			
Print Using:	Auto	Select				-
	Opening		ction			
					C	Add

Select the printer model from **Printer Name/ Kind**. The printer name selected should be the same as that appearing listed in the Printer

Server's web manager. In the example here, the printer name is PS-116688-P3. By default the **Printer Using** will use **Auto Select** to determine what printer configuration to use. This may also be manually selected in the **Print Using** drop-down menu by brand and model.

fault Fax	IP Windows	Bluetooth	AppleTalk	More Printers	Search
Printer Name				Kind	
PS-116688-P3				AppleTalk	
PS-116688-P3				Bonjour	
PS-116688-U1				AppleTalk	
PS-116688-U1 PS-116688-U2				Bonjour	
PS-116688-U2 PS-116688-U2				AppleTalk Bonjour	
Name:	PS-116688	-U1			
Location:					
Print Using:	Select a dr	iver to use			\$
	Q				
	3300 Series				0
	350 Series				U
	4300 Series				
	5200 Series				
	5400 Series				Ă
	6200 Series				•

Click the **Add** button to exit the window and implement the new setting.

The printer that has just been added will show up in the **Printer List** menu, it might take a few seconds depending on network conditions. When the printer appears listed it is ready for use. Quite the **Printer Setup Utility** and start printing.

0 0	Print & Fax	
Show All		٩
Printers PS-116688-U1 C idle, Default	PS-116688- Share this p Location: Local Zone Kind: 3300 Series Status: Idle, Default Open Print Queue	printer
+ - Default P Default Paper Size in Page !	rinter: Last Printer Used Setup: A4	•
Click the lock to prevent further cha	nges.	0

Adding an IP Printer

To add an Internet Printing Protocol enabled, Line Printer Daemon

 \bigcirc

enabled or HP Jet Direct – Socket enabled printer, click the button.

Select the desired printing protocol from the **Protocol** drop-down menu.

00		0
9 = (🕥 🚔 🚷 差 📮	۹.
Default Fax	IP Windows Bluetooth AppleTalk More Pri	nters Search
Protocol Address:	Internet Printing Protocol – IPP / Line Printer Daemon – LPD HP Jetdirect – Socket	
	Enter host name or IP address.	
Queue:		•
	Leave blank for default queue.	
Name:	No Selection	
Location:	No Selection	
Print Using:		\$
		Add

Type the IP Address of the printer, the name will appear in the **Name** field when the printer is found. This window will indicate that it is verifying the address. If the printer is found, this window will state "Valid and complete address" under the **Address** field.

The printer utility is able to detect the printer and may automatically select the correct printer driver in the **Print Using** field. Or manually select the printer-maker from the **Print Using** drop-down menu, and then select the printer model from the scroll-down list, or select **Generic PostScrip Printer** option from the **Print Using** drop-down menu if the model is not listed. To implement the setting, click **Add** button.

The setup procedures for these three printing protocols (Internet Printing Protocol (IPP), Line Printer Daemon (LPD), and HP Jetdirect – Socket) are basically the same. Illustrated examples are include below for the sake of reference.

For set up LPD Printing:

1. Enter the IP address of the print server in Address field.

2. Type the port name in **Queue** field.

$\Theta \cap \Theta$				0
		Ż		9
Default Fax	P Windows Bluetoot	h AppleTalk	More Printers	Search
Protocol:	Line Printer Daemor	n – LPD		•
Address:	192.168.0.10			•
	Valid and complete addre	ess.		
Queue:	PS-116688-U1			
	Leave blank for default q	ueue.		
Name:	192.168.0.10			
Location:				
Print Using:	Generic PostScript P	rinter		\$
			C	Add

Click **Add** button after done the section of printer model in the **Print Using** drop-down menu.

For set up IPP Printing:

- Enter the IP address of the print server in Address field. After that, enable print server's second port, and type ": second port".
- NOTE: It is highly recommended to configure second port as 631, or any port from 1024 to 65535.
- 2. Type the port name in **Queue** field.

00		(
	🕘 🚔 😣 之 🖨	Q. Search
fault Fax	IP Windows Bluetooth AppleTalk More Printers	Searcr
Protocol:	Internet Printing Protocol – IPP	•
Address:	192.168.0.10: second port	•
	Valid and complete address.	
Queue:	PS-116688-U1	•
	Leave blank for default queue.	
Name:	192.168.0.10	
Location:		
Print Using:	Generic PostScript Printer	+
	_	
	C	Add

Click **Add** button after done the section of printer model in the **Print Using** drop-down menu.

For set up Socket Printing:

- 1. Enter the IP address of the print server in **Address** field. After that, type ": **9100**" for port 1, ": **9101**" for port 2 or ": **9102**" for port 3.
- 2. Keep the blank in **queue** field.

000		
	🔊 🚔 🚷 🥏 🚔	٩
Default Fax	IP Windows Bluetooth AppleTalk More Printers	Search
Protocol:	HP Jetdirect - Socket	•
Address:	192.168.0.10: <mark>9100</mark>	
	Valid and complete address.	
Queue:		T
	Leave blank for default queue.	
Name:	192.168.0.10	
Location:		
Print Using:	Generic PostScript Printer	\$
	C	Add

Click **Add** button after done the section of printer model in the **Print Using** drop-down menu.

The printer that has just been added will show up in the **Printer List** menu, it might take a few seconds depending on network conditions. When the printer appears listed it is ready for use. Quite the **Printer Setup Utility** and start printing.

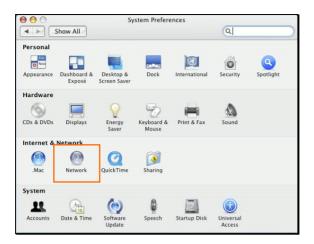
00	Print & Fax
Show All	٩
Printers 192.168.0.10 Undie, Default	192.168.0.10
	Location: Kind: Generic PostScript Printer Status: Idle, Default
	Open Print Queue Options & Supplies
+ -	
Default Pri	nter: Last Printer Used
Default Paper Size in Page Se	etup: A4
Click the lock to prevent further chan	ges.

MAC OS 10.4 TIGER USER

NOTE: **Mac OS printing is supported by Postscript printers only!** With Mac OS X Tiger (10.4), you can use Apple Talk, Bonjour, Internet Printing Protocol (IPP), Line Printer Daemon (LPD), and HP Jet Direct-Socket printing through Print Server.



Click this icon **System** Preferences window as below.



Click the **Network** icon in **System Preferences** menu to view the menu below.

Select the **Apple Talk** tab in the **Network** menu. Check to select the **Make Apple TalkActive** option. Click the **Apply Now** button and close the menu. Apple Talk is now active on the system. Now a printer can be added.

000	Network	
Show All		Q
Location:	Automatic	
Snow:	Built-in Ethernet	;
TCP/IP PPP	oE AppleTalk Proxies	Ethernet
	Make AppleTalk Active	
Computer Name:	Chen Gloria's PowerBook G4 (Can be changed in Sharing Prefe	
AppleTalk Zone:	[*
Configure:	Automatically	•
To choose a zo	ne, first click Apply Now to turn on	AppleTalk.
1 Click the lock to prevent fur	ner changes. Assis	t me Apply Now

Adding a Printer

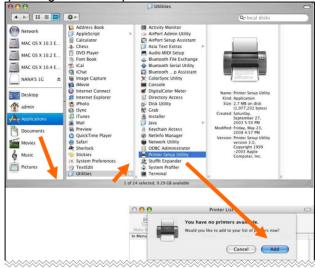
Use the **Go** menu at the top tool bar and select **Applications** option and find the **Utilities** folder or open the **Utilities** folder directly in **Go** menu.

Go	Window Help	4
Ba	ck	36[
Fo	rward	36]
En	closing Folder	96 †
	Computer	ŵжС
٢	Home	☆ ¥ H
0	Network	ŵжк
0	iDisk	•
A	Applications	ŵЖА
p	Utilities	☆業U
Re	cent Folders	Þ
Go	to Folder	企業G
Co	nnect to Server	

In the **Utilities** folder, find and select Printer Setup Utility to open Printer List window. If no printer has been set up on your

Download from Www.Somanuals.com. All Manuals Search And Download.

Macintosh, you will be prompted to add a printer. Click **Add** button on the pop-up dialogue box to open **Printer Browser** window.



Mac OS X Tiger (10.4) supports five printing protocols:

- 1. AppleTalk
- 2. Bonjour
- 3. Internet Printing Protocol (IPP)
- 4. Line Printer Daemon (LPD)
- 5. HP Jet Direct Socket

To add an Internet Printing Protocol enabled, Line Printer Daemon enabled or HP Jet Direct – Socket enabled printer, click on the



IP Printer button and follow the instructions to add an IP Printer beginning on "Adding an IP printer" session.

AppleTalk-enabled or Bonjour-enabled Printers

To add an AppleTalk-enabled or Bonjour-enabled printer, click the



Default Browser button in the Printer Browser menu.

10	Printe	r Browser	
ault Browser	IP Printer	(Q.+	Search
Printer Name			Connection
PT1			AppleTalk
PT1			Bonjour
S-COD26A-P2			AppleTalk
S-COD26A-P2			Bonjour
S-C0D26A-U3		3	AppleTalk
PS-C0D26A-U3			Bonjour
Name:	PS-C0D26A-U3 Local Zone		Bonjour
Name: Location:	PS-C0D26A-U3 Local Zone		
Name: Location: Print Using:	PS-C0D26A-U3		

Select the printer model from **Printer Name** list and **Connection** type in the **Printer Browser** menu. The printer name selected should be the same as that appearing listed in the Printer Server's web manager. In the example here, the printer name is PS-C0D26A-U3. By default the **Printer Browser** will use the **Auto Select** for **Print Using** to determine what printer configuration to use. This may also be manually selected in the **Print Using** drop-down menu by brand and model. Click the **Add** button to exit the **Printer Browser** window and implement the new setting.

		Q.	_
ault Browser	IP Printer	Search	
Printer Name		Connection	-
PS-116688-P3		AppleTalk	
PS-116688-P3		Bonjour	
PS-116688-U1		AppleTalk	
PS-116688-U1		Bonjour	
PS-116688-U2		AppleTalk	
PS-116688-U2		Bonjour	
	PS-116688-U1 Local Zone		-
	<u></u>		+
Print Using:	HP		۳
Print Using:	HP Model	*	•
Print Using:	(•
Print Using:	Model DesignJet 5000PS designjet 5500ps		•
Print Using:	Model DesignJet 5000PS designjet 5500ps Designjet 800PS	*	•
Print Using:	Model DesignJet 5000PS designjet 5500ps	*	•
Print Using:	Model Designjet 5000PS designjet 5500ps Designjet 800PS HP 9085MFP HP 9085MFP eu		•
Print Using:	Model Designjet 5000PS designjet 5500ps Designjet 800PS HP 9085MFP	Ver 1.6	

The printer that has just been added will show up in the **Printer List** menu, it might take a few seconds depending on network conditions. When the printer appears listed it is ready for use. Quit the **Printer List** and start printing.

$\Theta \Theta \Theta$		Printe	r List	0
<u>è</u>	<u> </u>	1 Y	6	
Make Default	Add Delet	Utility ColorS	ync Show Info	
Name		Status	Kind	
💐 PS-116688	3-U1		DesignJet 5000PS	

Adding an IP Printer

To add an Internet Printing Protocol enabled, Line Printer Daemon enabled or HP Jet Direct – Socket enabled printer, click the IP Printer button in the **Printer Browser** window. Select the desired printing protocol from the **Protocol** drop-down menu.

	Р	rinter Browser	C
A	1	Q.+	
Default Browser	IP Printer	Sea	rch
		nting Protocol – IPP	
Protocol	 Line Printer HP Jet Direc 	Daemon – LPD t – Socket	
Address:	-		
	Enter host name	or IP address.	
Queue:			
	Leave blank for o	lefault queue.	
<u> </u>			
Name:			
Location:			
		a driver or printer model	-

Type the IP Address of the printer, the name will appear in the **Name** field when the printer is found. The **Printer Browser** will indicate that it is verifying the address. If the printer is found, the **Printer Browser** will state "Valid and complete address" under the **Address** field.

he printer utility is able to detect the printer and may automatically select the correct printer driver in the **Print Using** field. Or manually select the printer-maker from the **Print Using** drop-down menu, and then select the printer model from the scroll-down list, or select **Generic PostScript Printer** option from the **Print Using** drop-down menu if the model is not listed. To implement the setting, click **Add** button.

The setup procedures for these three printing protocols (Internet

Printing Protocol (IPP), Line Printer Daemon (LPD), and HP Jet Direct – Socket) are basically the same. Illustrated examples are include below for the sake of reference.

For set up LPD Printing:

- 1. Enter the IP address of the print server to which the printer is attached in **Address** field.
- 2. Type the port name in **Queue** field.

$\bigcirc \bigcirc \bigcirc$		Printer Browser	0
4		(Q,+	
Default Browser	IP Printer		Search
Protocol:	Line Print	er Daemon – LPD	•
Address:	192.168.0	.10	
	Valid and cor	nplete address.	
Queue:	PS-11668	8-U1	•
	Leave blank f	or default queue.	
<u> </u>	100 100 0		
	192.168.0	.10	
Location:			
Print Using:	Generic Po	ostScript Printer	+
?		More Printers	Add
			1

Click **Add** button after done the section of printer model in the **Print Using** drop-down menu.

For set up IPP Printing:

- Enter the IP address of the print server to which the printer is attached in Address field. After that, type ": 80" or ": second port" if print server's second port is enabled.
- 2. Type the port name in **Queue** field.

00	Prin	ter Browser	
	(P Printer	(Q,+	Search
aut browser	ir rinter		Search
Protocol:	Internet Printin	g Protocol – IPP	;
Address:	192.168.0.10:8	0	
	Valid and complete	address.	
Queue:	PS-116688-U1		
	Leave blank for defa	ault queue.	
Name:	192.168.0.10		
Location:			
Print Using:	Generic PostScr	ipt Printer	÷

Click **Add** button after done the section of printer model in the **Print Using** drop-down menu.

For set up Socket Printing:

- Enter the IP address of the print server to which the printer is attached in Address field. After that, type ": 9100" for port 1, ": 9101" for port 2 or ": 9102" for port 3.
- 2. Keep the blank in Queue field.

	P	Printer Browser	C
A	1	Q.+	
Default Browser	IP Printer		Search
Protocol:	HP Jet Direct	– Socket	•
Address:	192.168.0.10	D:9100	•
	Valid and compl	ete address.	
Queue:			•
	Leave blank for	default queue.	
Name:	192.168.0.10)	
	152.100.0.10		
Location:			
Print Using:	(HP		•
	Model		
	DesignJet 5000		
	designjet 5500p		0
	Designjet 800PS	5	
	HP 9085MFP		
	HP 9085MFP eu		
		jet 2250 PS - Ver 1.6	A
	rir business ink	jet 2280 PS – v1.0	Ť
		More Printers	Add)

Click **Add** button after done the section of printer model in the **Print Using** drop-down menu.

When the **Installable Options** pop-up window shows up as below, click **Continue** button.

00	Printer Browser
-	nstallable Options
4	192.168.0.10
full advar	e your printer's options are accurately shown here so you can take ntage of them. For information on your printer and its optional , check the documentation that came with it.
Installe	d Memory: Standard
🗹 ISO	(A4,A3,)
🗹 ANS	I (A,B,)
🗹 DIN	(C4,C3,)
🗹 JIS (I	B4,B3,)
🗹 Arch	nitectural
?	Cancel Continue
	HP 9085MFP
	HP 9085MFP eu HP Business Inkiet 2250 PS - Ver 1.6
	HP Business Inkjet 2230 PS - v1.0
?)	(More Printers) Add

The printer that has just been added will show up in the **Printer List** menu, it might take a few seconds depending on network conditions. When the printer appears listed it is ready for use. Quit the **Printer Setup Utility** and start printing.

$\mathbf{\Theta} \mathbf{\Theta} \mathbf{\Theta}$					- 28	Printer L	ist	\bigcirc
Make Default		Add	O Delete	S.L.	G I	ColorSync	() Show Info	
Name	*			_	tatu	005.00	Kind	
37 192.168	3.0.	10					DesignJet 5000PS	

MAC OS 10.3 PANTHER USER

NOTE: **Mac OS printing is supported by Postscript printers only!** With Mac OS X Panther (10.3), you can use Apple Talk, Line Printer Daemon (LPD), and Rendezvous, printing through Print Server.



Click this icon **System** references window as below.



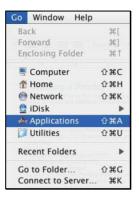
Click the **Network** icon in **System Preferences** menu to view the menu below.

00		Network		0
a 💰				
Show All D	Displays Sound Netwo	rk Startup Disk		
	Location: (Location (1/16/09 3 Built-in Ethernet	:56 PM)	
	TCP/IP PPP	DE AppleTalk Pr	oxies Ethernet	
		Make AppleTalk /	Active	
	Computer Name:	admin's Computer (Can be changed in Sha	ring Preferences)	
	AppleTalk Zone:	((\$)	
	Configure:	Automatically	•	
				?
Click t	he lock to prevent fur	her changes.	Assist me Appl	y Now

Select the **Apple Talk** tab in the **Built-in Ethernet** menu. Check to select the **Make AppleTalk Active** option. Click the **Apply Now** button and close the menu. Apple Talk is now active on the system. Now a printer can be added.

Adding a Printer:

Use the **Go** menu at the top tool bar and select **Applications** option and find the **Utilities** folder or open the **Utilities** folder directly in **Go** menu.



In the Utilities folder, find and select Printer Setup Utility to open Printer List

window.

000		📁 Utilities			0
► :: = □	\$ *			Q+ local disks	
Network MAC OS X 10.3 E MAC OS X 10.4 E NANA'S IG NANA'S IG NANA'S IG Achications Movies Movies Music Pictures	Address Book Applisting Applisting	Activity Mon Buetoch Fil Buetoch Fil Buetoch Fil Buetoch Buetoch	n Utiliny Assistant tras == e Exchange and Utiliny Assistant liniy Meter Nr Kess Crea Crea Crea Sistant Vir Work Versistant Vir Vir Vir	Printer Schut (Milly und Application 1997) 1997 - Control (Control) 1997 - Control 1997 - Contro	
	1	of 24 selected, 9.29 GB a	vailable		11.
		000	Printer	List	0
		Make D	You have no prin Would you like to add	ters available d to your list of printers now? Cancel Add	h
*****	~~~~~~		~~~~~~	*****	~~~

If no printer has been set up on your Macintosh, you will be prompted to add a printer. Click **Add** button on the pop-up dialogue box to open the window below.

Rendezvous In Menu Rendezvous Name * PS-116688-P3 * PS-116688-U1 PS-116688-U2 Location: Local Domain Printer Model: HP Designjet S00PS * Designjet S00PS * HP Business Inkjet 2250 PS - Ver 1.6 * HP Business Inkjet 2280 PS - vl.0 * Cancel Add	000	Printer List	0
PS-116688-P3 PS-116688-P3 PS-116688-U2 Location: Local Domain Printer Model: HP Model Name Design(et 800P5 HP Business Inkjet 2250 P5 - Ver 1.6 HP Business Inkjet 2250 P5 - Ver 1.6 HP Business Inkjet 2280 P5 - V1.0	Make De	Rendezvous	
PS-116688-U1 PS-116688-U2 Location: Local Domain Printer Model: HP Model Name Image: Comparison of the second se	In Menu	Name 🔺	
PS-116688-U2 Location: Local Domain Printer Model: HP Model Name Designjet 800PS HP Business Inkjet 2250 PS - Ver 1.6 HP Business Inkjet 2250 PS - VI.0		PS-116688-P3	
Location: Local Domain Printer Model: HP Model Name Designjet 5000PS Designjet 800PS HP Business Inkjet 2250 PS - Ver 1.6 HP Business Inkjet 2250 PS - v1.0			
Printer Model: HP		PS-116688-U2	
Designjet 5000PS Designjet 800PS HP Business Inkjet 2250 PS - Ver 1.6 HP Business Inkjet 2280 PS - v1.0			
Designjet 800PS HP Business Inkjet 2250 PS - Ver 1.6 HP Business Inkjet 2280 PS - v1.0		Model Name	_
HP Business Inkjet 2250 PS - Ver 1.6 HP Business Inkjet 2280 PS - v1.0		DesignJet 5000PS	_
HP Business Inkjet 2280 PS - v1.0		Designjet 800PS	
		HP Business Inkjet 2250 PS – Ver 1.6	
Cancel		HP Business Inkjet 2280 PS - v1.0	_
		Cancel Add	

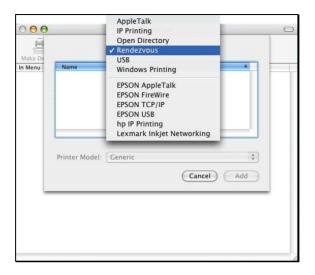
Mac OS X Panther (10.3) supports three printing protocols:

- 1. AppleTalk
- 2. Rendezvous
- 3. Line Printer Daemon (LPD)

To add an LPD enabled printer, click **IP Printing** in the drop-down menu and follow the instructions to add an IP Printer beginning on "Adding an IP printer" session.

AppleTalk-enabled or Rendezvous-enabled Printers

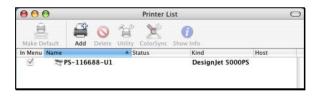
To add an AppleTalk-enabled or Rendezvous-enabled printer, click either **AppleTalk** or **Rendezvous** in the drop-down menu.



Select a printer name from the **Name** list. The printer name selected should be the same as that appearing listed in the Printer Server's web manager. In the example here, the printer name is PS-1168-U1. By default the **Printer Model** will use the **Auto Select** to determine what printer configuration to use. This may also be manually selected in the **Print Model** drop-down menu by brand and model. Click the **Add** button to see the newly added printer in the Printer List window.

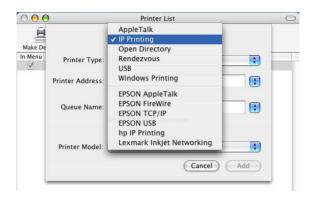
000	Printer List	0
Make De	Rendezvous	
In Menu	Name 🔺	
	PS-116688-P3	
	PS-116688-U1	
	P5-116688-U2	
	Location: Local Domain Printer Model: HP	
	Model Name 🔺	
	DesignJet 5000PS	
	Designjet 800PS	
	HP Business Inkjet 2250 PS – Ver 1.6	
	HP Business Inkjet 2280 PS – v1.0	
	Cancel Add	
		1

The printer that has just been added will show up in the **Printer List** menu, it might take a few seconds depending on network conditions. When the printer appears listed it is ready for use.



Adding an IP Printer

To add an LPD enabled printer, click **IP Printing** in the drop-down menu in the Printer List window.



After selecting **IP Printing**, a window displays as follows:

		Printer List	
lake De		IP Printing	
/lenu	Printer Type:	LPD/LPR	
	Printer Address:	192.168.0.10	•
		Complete and valid address.	
	Queue Name:	PS-116688-U1	
		Leave blank for default queue	
	Printer Model:	Generic	;
		Cancel	Add

Set up LPD Printing:

- 1. Enter the IP address of the print server to which the printer is attached in the **Printer Address** field.
- 2. Type the port name in **Queue** field.
- 3. The printer utility is able to detect the printer and may automatically select the correct printer driver in the **Print Model** field. Or, manually select the printer-maker from the **Print Model** drop-down menu, and then select the printer model from the scroll-down list, or select **Generic** option from the **Print Model**

drop-down menu if the model is not listed.

4. To implement the setting, click **Add** button.

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.

	Frince	r List	0
<u>a</u> 7	S 🛱	R_0 	
Make Default	Add Delete (
Name		Status	

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

000	AppleTalk Directory Services	0
	✓ Rendezvous	
Name	Lucauon	
PS-8251C6-U1	local.	
Printer Model:	Generic	Cancel Add

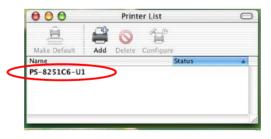
3. When clicking the **Rendezvous** item, the following window appears to display the connected Rendezvous-enabled printers.

000	Printer List
E	tendezvous 🗘
Name	Location
PS-8251C6-U1 PS-8338A2-U1	local. local.
	Connected printer(s)
Printer Model:	Generic C
Finiter Model.	Cancel Add

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

000	Prin	iter List	
	Rendezvous	;	
Name		Location	-
PS-8251C6-U1		local.	
PS-B338A2-U1		local.	
inter Model	Auto Sele	ct	
rinter Model		5	
rinter Model	✓ Generic	S Cancel	
rinter Model	✓ Generic Other	5 f Carter	(77)
rinter Model	✓ Generic Other Apple	S (Cartel	
rinter Model	✓ Generic Other Apple Brother	5 Carat	(74)
rinter Model	 ✓ Generic Other Apple Brother ESP 	S (Canrel	(m
rinter Model	✓ Generic Other Apple Brother ESP HP	Cancel	(A)

5. The printer is installed into the system successfully.



LIMITED WARRANTY

TRENDnet warrants its products against defects in material and workmanship, under normal use and service, for the following lengths of time from the date of purchase.

TE100-P1P – 3 Years Limited Warranty

AC/DC Power Adapter, Cooling Fan, and Power Supply carry 1 year warranty.

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