# Panasonic

# Software Operating Instructions (For Panasonic Printing System PostScript3)

Model No. DP-180/190/1520P/1820P/1820E/2330/3030/3530/4530/6030





Before operating this software, please read these instructions completely and keep these operating instructions for future reference.

**Before Starting** 

English

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# **System Requirements**

- Personal Computer : IBM PC/AT and compatibles (CPU Pentium II or greater)
- Operating System : Windows 98<sup>\*1</sup>, Windows Me<sup>\*2</sup>, Windows NT 4.0<sup>\*3</sup> (Service Pack 3 or later is required), Windows 2000<sup>\*4</sup>, Windows XP<sup>\*5</sup>, Windows Server 2003<sup>\*6</sup>, Macintosh OS 8.6-9.2.2 (Adobe PS 8.8 or higher), OS X10, OS X10.1, OS X10.2.1, OS X10.3
- System Memory
   The minimum recommended Memory for each OS is as follows:
   Windows 98, Windows Me
   64 MB or greater
   Windows 2000, Windows XP, Windows NT 4.0,
   128 MB or greater
   Windows Server 2003
- Free Disk Space : 40MB or greater (Not including storage space for additional fonts)
- CD-ROM Drive : Used for installing the software and utilities from the CD-ROM.
- Interface
   IDBase-T/100Base-TX Ethernet port / USB port. (Except for DP-3530/4530/6030)
   Parallel Port (For DP-3530/4530/6030 only)
- \*1 Microsoft<sup>®</sup> Windows<sup>®</sup> 98 operating system (hereafter Windows 98)
- \*2 Microsoft<sup>®</sup> Windows<sup>®</sup> Millennium Edition operating system (hereafter Windows Me)
- \*3 Microsoft<sup>®</sup> Windows NT<sup>®</sup> operating system Version 4.0 (hereafter Windows NT 4.0)
- \*4 Microsoft<sup>®</sup> Windows<sup>®</sup> 2000 operating system (hereafter Windows 2000)
- \*5 Microsoft<sup>®</sup> Windows<sup>®</sup> XP operating system (hereafter Windows XP)
- \*6 Microsoft<sup>®</sup> Windows Server ™ 2003 operating system (hereafter Windows Server 2003)

## **Installation Procedures**

This manual provides examples of instructions for installing, configuring and using the printer driver for your version of Windows OS.

: Follow the procedures on pages 16 to 19. (Connecting with a USB Cable)
: Follow the procedures on pages 20 to 23. (Connecting with a USB Cable)
: This Windows OS does not support a USB Printer.
: Follow the procedures on pages 24 to 26. (Connecting with a USB Cable)
: Follow the procedures on pages 27 to 29. (Connecting with a USB Cable)
: Follow the procedures on pages 30 to 33. (Connecting with a USB Cable)
: Follow the procedures on page 34 to 35. (Connecting with a USB Cable)
ter:
: Follow the procedures on pages 6 to 10 (Installing the Printer Driver) and
then pages 36 to 39 (Installing the LPR Monitor).
: Follow the procedures on pages 6 to 10 (Installing the Printer Driver) and
then pages 36 to 39 (Installing the LPR Monitor).
: Follow the procedures on pages 6 to 10 (Installing the Printer Driver) and
then pages 40 to 43 (Installing the LPR Monitor).
: Follow the procedures on pages 6 to 10 (Installing the Printer Driver) and
then pages 44 to 47 (Installing the LPR Monitor).
: Follow the procedures on pages 6 to 10 (Installing the Printer Driver) and
then pages 44 to 47 (Installing the LPR Monitor).
: Follow the procedures on pages 11 to 13 (Installing the Printer Driver)
: Follow the procedures on pages 14 to 15 (Installing the Printer Driver)

## Windows



Exit from all applications, then insert the Panasonic Printing System CD into the CD-ROM drive.

Select the desired language.

**Note:** 1. If the CD-ROM does not launch automatically, double click the **My Computer** icon on the Desktop or on the **Start** menu, then double click the CD-ROM icon.

2. The language screen differ depending on the models.

#### The setup screen will appear.

Click the Next button.

## Windows





Click the OK button.

## Windows



#### Choose your machine's model and click the

Specify whether the printer will be shared with other network users. Click Shared and enter a shared name, or click Not shared.

button.

This screen does not appear in Windows 98/ Windows Me. Sharing information is specified during Network Settings.

#### Printer Information screen appears.

You can accept the default printer name shown or

Select Yes, if you want to use this printer as your

Select Yes, if you would like to print a test page.

button.

#### Verify the settings in the Setup Information screen.

button.



The Panasonic PostScript Printer Driver has been installed, and the Panasonic Printer icon has been created in the Printers folder.



1. When installing on Windows NT 4.0 and Windows 2000/XP/Windows Server 200, logon to the computer/network using an account with administrator rights.

## Mac OS 8.6/9.x



Exit from all applications, then insert the Panasonic Printing System CD into the CD-ROM drive.

Double-click the CD icon on the desktop. English > PS > Setup > Mac > ps\_88\_E > US.sea.hqx

Please decompress US.sea.hqx with

decompression tool.

Double-click the AdobePS Installer icon to start the setup.

Note:

Installation instructions A ".hqx" ".sit" ".sea" file on a Macintosh, use Stufflt Deluxe or Stufflt Expander by Aladdin Systems (http://www.aladdinsys.com/) to access the file's contents. Stufflt Expander is available as a freeware product.

The setup screen will be displayed.

Click the | Continue... | button.



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5

AdobePS Installer	I =
Click the Install button to install • Easy Install	
Install Location The folder "AdobePS Components" will be created on the disk "English sys" Install Location: English sys	Quit

Read End User License Agreement, then click the



#### Verify the installation location.



The printer driver must be installed on the Note: disk with the active System software. If you want to change the location, click on the popup list for an installation location, choose [Select Folder] then choose or create a new folder.

## Mac OS 8.6/9.x



A progress bar indicates that the printer driver is being installed.



After completing the installation of the AdobePS Printer Driver, you must copy the PostScript printer description (PPD) file into the **System Folder** as follows:

Open the following folder within your Macintosh. System Folder > Extensions > Printer Descriptions



🐧 Mac

3 items, 1,38 GB available

Date Modified

Today, 10:06 AM

Today, 10:06 AM

Mon, Jan 26, 2004, 1:56 PM

EE

• •

Open the **Mac** folder within the CD-ROM. Select your printer model file, and drag it into your Printer Descriptions folder.

The AdobePS Printer Driver is installed, and the AdobePS icon is added to the **Chooser**.

9

Name

Panasonic\_DP-1820E.ppd

▶ 3 Tool
▶ 3 Ps\_88\_E

## Mac OS 8.6/9.x



0K ÍC

Select the Apple Menu, then select Chooser.

Click the AdobePS icon as shown in the illustration. Select your printer "Panasonic DP-xxxx" on the right.

button.

Confirm and/or change the Installable Options

button.

If you close Chooser, skip to Step 15.

button, go to Step 15.

button.

The driver creates a new desktop printer icon for your device.



## Mac OS X

A PostScript printer driver is already provided in Mac OS X. You need to install the PostScript printer description (PPD) file into your system for printing.

To manage the Account Management with the Accounting Manager software, it is essential to setup the Department Code with the PS Driver Security Utility before the Printer Driver is installed.



## Mac OS X



Click on the **Printer Model** pull-down menu, and select **"Panasonic DP-xxxxx PS"**.

Click the Add button.

Your machine is added to the Printer List.

## Connecting with a USB Cable (Windows 98)

To use the printer by means of a USB cable connection, install the printer driver by following the steps below.



Connect the printer to the PC with a USB cable. Turn the Power Switch of your machine ON.

The **New Hardware Found** dialog box appears for a brief moment, followed by the **Add New Hardware Wizard** dialog box.

Click the Next button.

## Connecting with a USB Cable (Windows 98)



Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.

D:\English\PS\Setup\Windows\Ps\_106\_E\Win

Next>

Windows is now ready to install the best driver for this device. Click Back to select a different driver, or click Next to continue.

D:\ENGLISH\PS\SETUP\WINDOWS\PS\_10

Next>

Panasonic USB Printing Support

Windows has finished installing the software that your new hardware device requires.

Browse.

Cancel

Cancel

Eloppy disk drives

Microsoft Windows Update
 ✓ Specify a location:

< <u>B</u>ack

Location of driver

< <u>B</u>ack

Windows driver file search for the device Panasonic USB Printing Support

CD-ROM drive

4

5

6

7

Add New Hardware Wizard

Add New Hardware Wizard

Add New Hardware Wizard

# Select Search for the best driver for your device.

Click the Next button.

Insert the CD-ROM included with the Option.

Select Specify a location and type D:\English\PS\Setup\Windows\Ps\_106\_E\ WinUsbDrv (where "D:" is your CD-ROM drive).

Click the Next button.

Click the Next button.

Click the Finish button.

Printer

< Back Finish Cancel

ŝ

# Connecting with a USB Cable (Windows 98)

8	Add New Hardware Wizard This wizard searches for new drivers for: Panasonic DP-1820E	The <b>New Hardware Found</b> dialog box appears for a brief moment, followed by the <b>Add New Hardware Wizard</b> dialog box.
	A device driver is a software program that makes a hardware device work.	Click the Next button.
	<u>≺B</u> ack <b>Next&gt;</b> Cancel	
9	Add New Hardware Wizard What do you want Windows to do?	Select Search for the best driver for your device.
	<ul> <li>Search for the best driver for your device.</li> <li>Recommended).</li> <li>Display a list of all the drivers in a specific location, so you can select the driver you want.</li> </ul>	Click the <u>Next</u> button.
	Cancel     Can	
10	Add New Hardware Wizard	Select Specify a location and type
10	Windows will search for new drivers in its driver database on your hard drive, and in any of the following selected locations. Click Next to start the search.	D:\English\PS\Setup\Windows\Ps_106_E\ Windows (where "D:" is your CD_BOM drive)
	Eloppy disk drives	Click the Next button.
	<u>D</u> -inform unive	
	Specify a location: D:\English\PS\Setup\Windows\Ps_106_E\Wind  Browse Browse	
	< <u>B</u> ack Next> Cancel	
11	Add New Hardware Wizard	Click the Next button.
••	Windows driver file search for the device:	
	Windows is now ready to install the best driver for this	
	device. Lick back to select a different driver, or click Next to continue. Location of driver:	

# Connecting with a USB Cable (Windows 98)

Add Printer Wizard		Enter the Printer name and click the
A data water a data wat	You can type a name for this printer, or you can use the name supplied below. When you have finished, click Next. Printer name: Panasonic DP-1820E PS Your Windows-based programs will use this printer as the default printer. < Beck Next > Cancel	Next button.
Add Printer Wizard	After your printer is installed, Windows can print a test page so you can confirm that the printer is set up properly. Would you like to print a test page? © Yes (recommended) © No <a href="https://www.www.www.www.www.www.www.www.www.w</th> <th>Click the Finish button.</th>	Click the Finish button.
Add New Hardware Wiza	rd          Image: Second Control of Control	Click the Finish button.
	Add Printer Wizard     Add Printer Wizard     Add Printer Wizard     Add Printer Wizard     Add New Hardware Vrizar     Add New Hardware Vrizar	<section-header><section-header><complex-block><complex-block></complex-block></complex-block></section-header></section-header>

## Connecting with a USB Cable (Windows Me)



Connect the printer to the PC with a USB cable. Turn the Power Switch of your machine ON.

The **New Hardware Found** dialog box appears for a brief moment, followed by the **Add New Hardware Wizard** dialog box.

#### Select Specify the location of the driver.

Click the Next button.

Insert the CD-ROM included with the Option.

3

## Connecting with a USB Cable (Windows Me)









#### Select Specify a location and type D:\English\PS\Setup\Windows\Ps\_106\_E\ WinUsbDrv (where "D:" is your CD-ROM drive).

Click the	Next	button
Click the	Next	buttor



Click the Finish button.

The **New Hardware Found** dialog box appears for a brief moment, followed by the **Add New Hardware Wizard** dialog box.

#### Select Specify the location of the driver.

Click the Next button.

Continued on the next page...

7

## Connecting with a USB Cable (Windows Me)



## Connecting with a USB Cable (Windows Me)



Click the Finish button.

## Connecting with a USB Cable (Windows 2000)



Connect the printer to the PC with a USB cable.

Turn the Power Switch of your machine ON.

The Found New Hardware Wizard dialog box appears.

Click the Next button.

## Connecting with a USB Cable (Windows 2000)

×

ОK

Cancel



5

6

d New Hardware Wizard

💡 Unknown

Optional search locations:

Floppy disk drives

CD-ROM drives

Specify a location

Microsoft Windows Update

ound New Hardware Wizard

Found New Hardware Wizard

**Driver Files Search Results** 

Panasonic DP-1820E PS

Copy manufacturer's files from

<u>a</u>

Where do you want Windows to search for driver files? Search for driver files for the following hardware device

The wizard searches for suitable drivers in its driver database on your computer and in any of the following optional search locations that you specify. To start the search, click Next. If you are searching on a floppy disk or CD-ROM drive, insert the floppy disk or CD before clicking Next.

Insert the manufacturer's installation disk into the drive selected, and then click OK.

The wizard has finished searching for driver files for your hardware device

d:\english\ps\setup\windows\ps\_106\_e\win2000\pan90\_2k.inf

Windows found a driver for this device. To install the driver Windows found, click Next

D:\English\PS\Setup\Windows\Ps\_106\_E\ 
Browse...

< Back Next > Cancel

<<u>B</u>ack Next> Cancel

Locate Driver Files

Select Search for a suitable driver for my device.

Click the Next button.

Insert the CD-ROM included with the Option.

#### Select Specify a location.

Click the	Next	button.
-----------	------	---------

#### Туре

D:\English\PS\Setup\Windows\Ps\_106\_E\

Win2000

(where "D:" is your CD-ROM drive).

Click the OK button.

Click the Next button.

Continued on the next page...

# Connecting with a USB Cable (Windows 2000)

8	Digital Signature Not Fou	nd	×	Click the	Yes button.
U		The Microsoft digital signature affirms that software has no been tested with Windows and that the software has no been altered since it was tested. The software you are about to install does not contain - Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows. Printers If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available. Do you want to continue the installation?	ot s		
9	Found New Hardware Wizard	Completing the Found New Hardware Wizard         Image: state of the software for this device.         Vindows has finished installing the software for this device.         To close this wizard, click Finish.         < Back       Finish       Cancel	æ	Click the F	<u>inish</u> button.

## Connecting with a USB Cable (Windows XP/Windows Server 2003)



Connect the printer to the PC with a USB cable.

Turn the Power Switch of your machine ON.

<Windows XP Service Pack 2> Select No, not this time and click the

Next button.

OYes, this time only

Click Next to continue.

Yes, now and every time I connect a device
 No, not this time

<Back Next> Cancel

## Connecting with a USB Cable (Windows XP/Windows Server 2003)

Found New Hardware Wizard
Welcome to the Found New Ladware Wizard           Distance         Water Wizard           Distance         Water Wizard           Distance         Pissonic DP-1820E
Cancel
Found New Hardware Wizard  Please choose your search and installation options
<ul> <li>              Search for the best driver in these locations.          </li> <li>             Use the check boxes below to limit or expand the default search, which includes local paths and removable media. The best driver found will be installed.      </li> <li>             Search removable media (floppy, CD-ROM)         </li> <li>             Search removable media (floppy, CD-ROM)         </li> <li>             Include this location in the search:             </li> <li>             Dr.EnglishtPStSetupWindowstPs_106_EtWinX ▼             </li> </ul> <li>             Port search. I will choose the driver to install.         </li> <li>             Choose this option to select the device driver from a list. Windows does not guarantee that the driver you choose will be the best match for your hardware.         </li>
< <u>₿</u> ack <mark>N</mark> ext > Cancel
Found New Hardware Wizard Please select the best match for your hardware from the list below.
Panasonic DP-1820E PS
Description Version Manufacturer Location
Panasonic DP-1820E PS 1.0.00 Panasonic d:\vandows\unit\c Panasonic DP-1820E PS 1.0.00 Panasonic d:\vandsh\printe Panasonic DP-1820E PS 1.0.00 Panasonic d:\vinter\v
A This driver is not digitally signed! Tell me why driver signing is important
Cancel

The Found New Hardware Wizard dialog box appears. Select Install from a list or specific location (Advanced).

Click the Next button.

Select Include this location in the search. Type

D:\English\PS\Setup\Windows\Ps\_106\_E\ WinXP-2003

(where "D:" is your CD-ROM drive). Insert the CD-ROM included with the Option.

Click the Next button.

This message may appear if you have a previous version of the printer driver installed.

Select the latest version of the \*.inf file and

click the Next button.

# Connecting with a USB Cable (Windows XP/Windows Server 2003)

6	Hardware	Installation	Click the Continue Anyway button.
	1	The software you are installing for this hardware: Printers	
		has not passed Windows Logo testing to verify its compatibility with Windows XP. ( <u>Tell me why this testing is important.</u> ) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.	
		Continue Anyway	
7	Found New H	ardware Wizard	Click the Finish button.
		Completing the Found New Hardware Wizard The wizard has finished installing the software for: Panasonic DP-1820E PS Click Finish to close the wizard.	
		< Back Finish Cancel	

## Connecting with a USB Cable (Mac 8.6/9x)



Fri, Jan 14, 2000, 12:00 PM

• •

& Voice Verification

Connect the printer to the PC with an USB cable. Turn the Power Switch of your machine ON.

Extract the **DP-xxxxx PS** from the **DP-xxxxx** PS.sit in the CD-ROM and paste it onto the System Folder > Extensions.

## Connecting with a USB Cable (Mac 8.6/9x)



# Connecting with a USB Cable (Mac 8.6/9x)

6	USB Printer	Select your machine and click the
	Select a USB Printer:	button.
	DP-1820E  Model: DP-1820E  Cancel OK	
7	Untitled 1	Click the Auto Setup button on the PostScript
	PostScript <sup>™</sup> Printer Description (PPD) File	Printer Description (PPD) File.
	Generic Auto Setup Change	
	USB Printer Selection	
	DP-1820E Change	
	Desktop Printer Usage : Print to printer "DP-1820E"	
	With Printer Driver : AdobePS Create	
8	Status	A status bar indicates that the printer driver is being installed.
	Setting up DTP: Untitled 1	
	Status: selecting printer description file.	
	Select PPD Cancel	

## Connecting with a USB Cable (Mac 8.6/9x)

g	Untitled 1	Click the Create button.
Ŭ	PostScript <sup>™</sup> Printer Description (PPD) File	
	Panasonic_DP-1820E.ppd Change	
	USB Printer Selection	
	DP-1820E Change	
	Desktop Printer Usage : Print to printer "DP-1820E"	
	Create	
40		
10	Save changes to desktop printer "Untitled 1" before closing?	Click the <b>Save</b> button.
	Don't Save Cancel Save	
11		
	English	
	PrinterDriverTeam	
	💐 05 Hakushi Jogai Data 🔹 New 🧊	
	S Browse the Internet	
	Save desktop printer as: Cancel DP-1820E Save	
40		•
12	Saving desktop printer	being installed.
10		The driver creates a new desktop printer icon for
IJ		your device.
	DP-1820E	



1. Click the **Set\_Default Printer** in the **Printing** menu when your machine is set to the default printer.

## Connecting with a USB Cable (Mac OS X)



Connect the printer to the PC with an USB cable. Turn the Power Switch of your machine

34

## Connecting with a USB Cable (Mac OS X)

3	Printer List	1. Select USB.
	USB Cancel Add	<ol> <li>Select your printer.</li> <li>Select Auto Select or Panasonic_DP- xxxxx.ppd from the Printer Model menu.</li> <li>Click the Add button.</li> </ol>
4	O     Printer List       O     Name     Kind     Status       O     DP-1820E     PostScript printer	Your machine is shown on the Printer List. Close the <b>Printer Center</b> .
	Delete Add Printer	

NOTE

1. Open the **Printer Center** and click your machine, then select **Make Default** from the **Printers** menu when your machine is set to the default printer.

# Installing the LPR (Line Printer Remote) Monitor

## Windows 98/Windows Me


### Windows 98/Windows Me

6 M-LPR Port Monitor Setup × Do you wish to continue installation? ÖK Cancel 7 InstallShield Wizard Setup Status M-LPR Port Monitor Setup is performing the requested operations. Installing C:\...\{BFAE2967-A3FB-4ACF-AA99-F5E2AF0AD527}\data1.cab 42% Cancel 8 InstallShield Wizard Complete The InstallShield Wizard has successfully installed M-LPR Port Monitor. Before you can use the program, you must restart your computer. Yes, I want to restart my computer now. O No, I will restart my computer later Remove any disks from their drives, and then click Finish to complete seture Finish 9 Eile Edit ⊻iew Go Favo Copy Paste Undo Delete Properties Views • Address 🞯 Printers Ŧ ۹ 3 Printers Open P<u>a</u>use Printing Set as De<u>f</u>ault Panasonic DP-1820E PS Documents: 0 Purge P Create <u>S</u>hortcu Delete

### The M-LPR Port Monitor Setup dialog box appears.

Click the OK button.

The required files are copied.

The setup program copies the necessary files onto the hard disk of your PC.

When the setup process is completed, a screen is displayed prompting you to restart your computer.

It is recommended that you restart your computer now so that the LPR Monitor can be started.

Click the button. Finish



If you have not installed the printer driver yet, please proceed to "Installing the Printer Driver" on page 6.

After your computer has rebooted, click the Start button, select Settings, and then click Printers.

The Printers folder appears.

Right-click on the desired printer icon and select Properties from the pop-up menu.

### Windows 98/Windows Me

Panasonic DF	P-1820E PS F	roperties		?
Fonts	Device Optio	ons Po	ostScript	Watermarks
General	Details	Sharing	Paper	Graphics
🏈 Par	nasonic DP-18	20E PS		
<u>C</u> omment:				
<u>S</u> eparator pa	age: (none)			<u>B</u> rowse
			Print ]	[est Page
		DK	Cancel	Apply

The printer properties dialog box appears.

The following step registers the LPR Port for network printing.

Before proceeding, ensure that the printer is installed, connected to the network, turned ON and is operating properly.

Select the **Details** tab and click the Add Port... button.

masonic DF	-1820EPS Prope	rties	?
Fonts   General	Device Options Details Sha	PostScript ring Pap	Watermarks ber Graphics
🇳 Par	asonic DP-1820E I	PS	
Print to the fo	bllowing port:	<b>.</b>	Add Port
Print <u>u</u> sing th	e following driver:		<u>D</u> elete Port
AdobePS P	anasonic DP-1820B	PS 🔽	Ne <u>w</u> Driver
<u>C</u> apture	e Printer Port	E <u>n</u> d	Capture
_ Tjmeout se	ttings		
Not <u>s</u> ele	oted: 15	seconds	
Transmis	sion retry: 45	seconds	
	Spoo <u>l</u> S	ettings	Port Settings
	OK	Cance	el <u>A</u> pply

11

### Windows 98/Windows Me



The **Add Port** dialog box appears. Click the **Other** radio button, select **M-LPR Port Monitor** from the "Click the type of port you want to add:" list, and click

the OK button.

M-LPR Port Monitor		
Host name or IP address: 133.185.254.96		ОК
Queue name: New96		Cancel
, Start job timeout:	180 Second	
Receive timeout:	60 Second	
Send timeout:	180 Second	
Enable retry dialog		

#### The M-LPR Port Monitor dialog box appears.

Type the IP Address of the machine in the **Host name or IP address:** text box and the queue name (e.g. New105) in the **Queue name:** text box.

Click the	OK	button. If an error occurs

because the queue name has already been used for the same IP Address, select a different unique name such as "New106".

The screen reverts to the Printer Properties.

Check that the "Print to the following port:" has been changed as entered in step 13, and click on the



The printer properties dialog box closes and you have now configured the printer as a network printer.



NOTE 1. To print data via LAN, the LPR Monitor must be installed on your PC.

### Windows NT 4.0

Logon using an account with administrator rights.

Network					? 2
Identific	ation Servic	ces Protocol	s Adapters	Binding	;
	Windows u computer o this compu appear in.	uses the follow on the network iter and the wo	ing informatio You may c orkgroup or d	n to ident hange the omain tha	ify your e name for t it will
Compu	uter Name:	EN-WINN	Г		
Domaii	1:	UT-ENG			
		,		( Ch	ange
				<u></u>	
			0	к	Cancel
Network					?
Identific	ation Servic	es Protocol	s Adapters	Binding	;]
<u>N</u> etwo	rk Services:				
	omputer Brow etBIOS Interf:	iser ace			
B	PC Configural	tion			
📃 S 📃 W	erver /orkstation				
A	dd	<u>R</u> emove	Properties	]	<u>U</u> pdate
Des					
	cription: ——				

ΟK

Cancel

Click the **Start** button, select **Settings**, and click **Control Panel**.

The Control Panel window appears.

Double-click on the Network applet.

The Network dialog box appears.

Click on the Services tab.

Verify whether the LPR Service is already installed. (Indicated by **Microsoft TCP/IP Printing** shown in the Network Services list.)

If it is already installed, skip to Step 7. Otherwise continue installing the LPR Service.

## Windows NT 4.0

3	Lect Network Service       ? ×         Click the Network Service that you want to install, then click OK. If you have an installation disk for this component, click Have Disk.         Letwork Service:         Client Service for NetWare         Microsoft Peer Web Server         Microsoft Peer Web Server         Microsoft CP/IP Printing         NetBIOS Interface         NetWork Monitor Agent         Demote Access Service         Uter Disk         DK	Click the Add button to display the Select Network Service dialog box, and select Microsoft TCP/IP Printing. Click the OK button.
4 🚥	ndows NT Setup  Setup needs to copy some Windows NT files. Setup will look for the files in the location specified below. If you want Setup to look in a different place, type the new location. When the location is correct, click Continue.  CARCEL	The <b>Windows NT Setup</b> dialog box appears. Insert the Windows NT 4.0 CD-ROM, and type <b>D:\i386</b> (where "D:" is your CD-ROM drive). Click the <u>Continue</u> button.
5	Services       Protocols       Adapters       Bindings         Network Services: <ul> <li>Computer Browser</li> <li>Microsoft TCP/IP Printing</li> <li>NetBIOS Interface</li> <li>RPC Configuration</li> <li>Server</li> <li>Workstation</li> </ul> <ul> <li>Add</li> <li>Bemove</li> <li>Properties</li> <li>Update</li> </ul> <ul> <li>Description:</li> <li>Enables Windows NT to print to TCP/IP-connected printers or to printers that are physically attached to UNIX computers.</li> </ul> <ul> <li>Close</li> <li>Close</li> <li>Cancel</li> </ul>	After the files have been copied into the Hard Drive of your PC, the display returns to the Network dialog box. Confirm that the Microsoft TCP/IP Printing service has been added to the Network Services list. Click the <u>Close</u> button. Note: If the OK button does not change into a Close button, Remove and reinstall the Microsoft TCP/IP Printing service.
6	work Settings Change       Image: Change         You must shut down and restart your computer before the new settings will take effect.         Do you want to restart your computer now?         Image: Comparison of the setting setti	The <b>Network Settings Change</b> dialog box is displayed, click the Yes button to restart your computer now.
		installation.

### Windows NT 4.0



### Windows NT 4.0

Add LPR compatible printer		
Name or address of server providing lpd:	10.74.229.105	OK
Name of printer or print queue on that server:	lpl	Cancel
		<u>H</u> elp

The **Add LPR compatible printer** dialog box appears.

Enter the IP Address of the printer in the upper text field, and "Ip" for the print queue name in the lower text field.



(Please wait while the wizard verifies the IP Address and connectivity to the network.

The Printer Ports dialog box appears.



Available Printer Ports: Digital Network Port Lexmark DLC Network Port Lexmark TCP/IP Network Port Local Port LPR Port	Available Printer Ports: Digital Network Port Lexmark DLC Network Port Lexmark TCP/IP Network Port Local Port LPR Port <u>N</u> ew Monitor	Printer Ports	2
Digital Network Port Lexmark DLC Network Port Lexmark TCP/IP Network Port Local Port LPR Port	Digital Network Port Lexmark DLC Network Port Lexmark TCP/IP Network Port Local Port LPR Port <u>New Monitor.</u>	Available Printer Ports:	
LPR Port	LPR Port	Digital Network Port Lexmark DLC Network Port Lexmark TCP/IP Network	it Port
	<u>N</u> ew Monitor	LPR Port	



Select the printer port and click the OK button.

The printer properties dialog box closes and you have now configured the printer as a network printer.

### Windows 2000/Windows XP/Windows Server 2003

Logon using an account with administrator rights.



## Windows 2000/Windows XP/Windows Server 2003

4	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 pinter. Before continuing be sure that: 1. The device is turned on. 2. The network is connected and configured.	Click the <u>Next</u> button.
	To continue, click Next.	
5	Add Standard TCP/IP Printer Port Wizard       X         Add Port For which device do you want to add a port?       Image: Comparison of the desired device.         Enter the Printer Name or IP address:       10.74.229.105         Port Name:       IP_10.74.229.105	Enter the IP Address and the Port Name and click the <u>Next</u> button. <b>Note:</b> The Port Name is automatically entered together with the IP Address. You may need to change it as required.
6	< Back       Lext>       Cancel         Additional Port Information Required           Additional Port Information Required           The device could not be identified.           The device is not found on the network. Be sure that:           1 The device is not found on the network. Be sure that:           2. The network is connected            3. The device is not found on the network. Be sure that:            1. The device is not found on the network. Be sure that:             1. The device is not found on the network. If you are sure the address is correct, cick Back to return to the previous page. Then correct the address and perform another search on the network. If you are sure the address is correct, select the device type below.           Device Type       © standard Generic Network Card           © Lutom       Settings	<dp-180 1520p="" 1820e="" 1820p="" 190=""> Select <b>Custom</b> and click the <u>Settings</u> button. or <dp-2330 3030="" 3530="" 4530="" 6030=""> Select <b>Standard</b> and click the <u>Next</u> button. Then, go to step 9.</dp-2330></dp-180>
	< <u>₿</u> ack Next> Cancel	

### Windows 2000/Windows XP/Windows Server 2003



## Windows 2000/Windows XP/Windows Server 2003

10	Printer Ports	? ×	Click the Close button.
	Available port types: Local Port MGCS USB Port Standard TCP/IP Port		
	New Port Type	se	
11	General Sharing Ports Advanced Security Device Settings	<u>?×</u>	Click the Apply button.
	Panasonic DP-1820E PS Print to the following port(s). Documents will print to the first free		Click the OK button.
	Checked port.         Port       Description         LPT3:       Printer Port         COM1:       Serial Port         COM2:       Serial Port         COM3:       Serial Port         COM4:       Serial Port         COM4:       Serial Port         COM4:       Serial Port         COM4:       Serial Port         Pint to File       Pint to File         Pin20       Standard TCP/IP Port         Add Port       Delete Port         Enable bidirectional support       Enable printer pooling	× nt	The printer properties dialog box closes and you have now configured the printer as a network printer.
	OK Cancel	Apply	

### Windows

If you wish to use the Mailbox and Secure Mailbox functions, it is essential that you setup the Utility settings first.

To control the Charge Management with the Accounting Management application, it is essential that you setup the Utility settings first.



### Windows



Cancel

#### Select Install PS Driver Security Utility.

**Printer Section** 

button if you want to place a Yes shortcut to PS Security Utility on your desktop.

button.

The required files are copied.

M	Indows			
9	InstallShield Wizard	InstallShield Wizard Complete The InstallShield Wizard has successfully installed the PS Driver Security Utility. Click the Finish button to exit the wizard.	Click the Finish button.	
		Kunanning		

The PS Driver Security Utility folder has been added to the Program menu, and the installation has now completed.

### Mac OS

In order to utilize Department Codes, Mailboxes or Secure Mailboxes, the appropriate information must be input prior to installing the printer driver.

If you are using Mac OS X, use the PS Driver Security Utility to change the setting before adding the printer. If you have already added the printer, delete it, change the setting using the PS Driver Security Utility, then add the printer.



Exit from all applications, then insert the Panasonic Printing System CD into the CD-ROM drive.

Double-click the CD icon on the desktop.

For OS 8.6/9.x: Browse to folder English > PS >

Setup > Mac > Tool

For OS X : Browse to folder English > PS > Setup > Mac > Tool > OSX\_only

Copy **PsSecure.sit** to your hard disk.

**Note:** If PsSecure.sit does not automatically decompress, install a suitable decompression utility.

Please decompress PsSecure.sit with decompression tool. Double-click the **PS Driver Security Utility** icon to start.

**Note:** Installation instructions A ".hqx" ".sit" ".sea" file on a Macintosh, use Stufflt Deluxe or Stufflt Expander by Aladdin Systems (http://www.aladdinsys.com/) to access the file's contents. Stufflt Expander is available as a freeware product.



### Windows 98/Windows Me

To change the printer settings, open the printer properties by performing the following steps.



Click the **Start** button, select **Settings**, and then click **Printers**.



Right-click the desired printer icon in the **Printers** folder, and select **Properties** in the popup menu.

The printer properties dialog box appears.



### Windows 98/Windows Me

### **General Tab**

Panasonic DF	P-1820E PS Properties	? ×
Fonts General	Device Options PostScript V Details Sharing Paper	Vatermarks   Graphics
Par	nasonic DP-1820E PS	
① <u>C</u> omment:	l	
② Separator pa	age: (none)	rowse
	(3) Print <u>I</u> es	) t Page
	OK Cancel	

#### 1. Comment

Enter comments regarding the properties, if any.

If another user sets up this printer on his or her computer when sharing the printer, the comment specified here will also appear on that computer. However, the comment displayed for an existing user will remain unchanged even if the comment is modified later.

#### 2. Separator page

This feature is not available on these machines.

#### 3. Print Test Page button

Prints a test page. This allows the user to verify if the printer is installed properly.

### Windows 98/Windows Me

### Details Tab

Paragenia DP 1990E PC Drangeting
Fonts     Device Options     PostScript     Watermarks       General     Details     Sharing     Paper     Graphics
Panasonic DP-1820E PS  Print to the following port:
133.185.254.96:New95 (M-LPR Port)       Add Port         2       Delete Port         3       Print using the following driver:         AdobePS Panasonic DP-1820E PS       New Driver
End Capture       Timeout settings       Seconds
Transmission retry:     45     seconds       8     9       Spool Settings     Port Settings
OK Cancel Apply

#### 1. Print to the following port

Displays either the port where the printer is connected or the path to the network printer.

To change the printing destination, either select the printing destination port from the list or enter the network path here.

2. Add Port... / Delete Port... button

Adds/deletes new port or new network path.

#### 3. Print using the following driver

Displays the type of the printer driver. Specify the printer being used or a printer model which can be emulated with the printer being used.

4. New Driver... button

Updates or modifies the printer driver.

5. Capture Printer Port... / End Capture... button

Assigns a local port to the network connected printer or cancels a local port assigned to the network printer.

#### 6. Timeout settings - Not selected (For LPT Port only)

Specify the amount of time (in seconds) allowed to elapse before the printer comes online. If the printer is not online within this duration, an error message will be displayed.

## Windows 98/Windows Me

#### 7. Timeout settings - Transmission retry (For LPT Port only)

Specify the amount of time (in seconds) allowed to elapse before the printer is ready for printing. If the printer is not ready for printing within this duration, an error message will be displayed.

Increase this value if a timeout error occurs when printing a large document.

8. Spool Settings... button

Specify the method of sending (spool) documents from the program to the printer.

9. Port Settings... button Modifies printer port settings.

### Windows 98/Windows Me

### Sharing Tab

Panasonic DP-1820E PS Properties
Fonts Device Options PostScript Watermarks General Details Sharing Paper Graphics
C Not Shared
(4) Password:
OK Cancel Apply

#### 1. Not Shared/Shared As

Select whether to display or share this printer with other computers.

#### 2. Share Name

Specify the name of the shared printer. The displayed name can be used as it is or a new name may be entered. The name specified here will be displayed when other users view information about the printer on the network.

#### 3. Comment

You can enter comments regarding a shared printer (such as the type of printer and the location where it is installed). When other users view information about the printer on the network, the comment specified here will be displayed.

#### 4. Password

Specify a password required when other users will connect to this printer. Leave the box blank in order not to use any password.



1. Sharing Tab in property dialog box is not displayed unless printer sharing has been specified.

### Windows 98/Windows Me

### Paper Tab



#### 1. Paper size

Select a document size.

#### 2. Orientation

Select the print orientation (Portrait/Landscape).

#### 3. Paper control

Controls printer outputs and groups pages.

Select **Collate** if you wish each set of multiple copies collated when you print them. Otherwise, each page is printed in individual groups.

The **Duplex** menu specifies whether and how the printer should print the document on both sides of the paper.

#### 4. Paper source

Specify where the paper you want to use is located in the device. If you choose **Auto Select Tray**, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

Note: 1. If no paper size match is found, the printer drive will select the Tray 1. (DP-180/190)

 If no paper size match is found, the printer drive will select the Bypass Tray. (DP-1520P/ 1820P/1820E)

#### 5. Paper type

Specifies the type of paper medium to use, such as plain or thick.

Note: If selecting other than Plain Paper for the Paper type, the printer driver will select the Bypass Tray if Auto Select Tray was selected as the Paper source.

#### 6. Margins... button

Displays the Margins dialog box. Click this button to view the area of the page that is unavailable for printing.

### Windows 98/Windows Me

- 7. About... **button** Displays version and copyright information for this printer driver.
- 8. Help **button** Displays the help window for this printer driver.
- 9. Restore Defaults **button**

### Windows 98/Windows Me

### **Graphics Tab**



#### 1. Resolution

Select the resolution you want for printing (300/600/1200dpi Enhanced).

#### 2. Special

Prints a negative image and/or mirror image of your document. Click these options to view an example.

#### 3. Paper handling

Specify the layout pattern for printing multiple documents on a single sheet of paper and whether page borders are used. Select these options to view an example.

#### 4. Scaling (25-400%)

Specify an enlargement or reduction percentage when printing documents. If enlargement/reduction can be set within the application, indicate 100% here and specify the enlargement/reduction percentage in the Print dialog box of the application.

#### 5. Convert gray text/graphics to PostScript gray

This feature is not available on these machines.

#### 6. Help button

Displays the help window for this printer driver.

#### 7. Restore Defaults button

### Windows 98/Windows Me

### Fonts Tab

Panasonic DP-1820EPS Properties
General Details Sharing Paper Graphics Fonts Device Options PostScript Watermarks
① I ✓ Substitute printer fonts for TrueType fonts when applicable
② □ Do <u>n</u> ot use printer fonts
Add Euro Currency Symbol to PostScript Fonts
5       Send Fonts As       6       Help       7       Restore Defaults         0K       Cancel       Apply

### 1. Substitute printer fonts for TrueType fonts when applicable

Tells the driver to determine which PostScript fonts to substitute for TrueType fonts. Instead of sending all TrueType fonts to your printer, this option substitutes a PostScript printer font for the common TrueType fonts used in your document.

By default, common TrueType fonts are substituted with their PostScript look-alikes when printing, but those with no PostScript look-alike font are sent to the printer in the format specified in the Send TrueType Fonts As box of the Send Fonts As dialog box.

#### 2. Do not use printer fonts

Disables using printer-resident fonts. Use this advanced option when you expect to send the PostScript output to different printer models.

#### 3. Add Euro Currency Symbol to PostScript Fonts

Adds the European currency symbol to most PostScript fonts.

#### 4. Update Soft Fonts button

Updates the list of PostScript fonts that have been downloaded to the printer so that the driver prints them correctly.

#### 5. Send Fonts As... button

Displays the Send Fonts As dialog box. Click this button to specify how to send TrueType or PostScript fonts.

#### 6. Help **button**

Displays the help window for this printer driver.

### 7. Restore Defaults button

### Windows 98/Windows Me

### Device Options Tab (DP-180/190/1520P/1820P/1820E)

Panasonic NP.190PS Properties	1
General         Details         Sharing         Paper         Graphics           Fonts         Device Options         PostScript         Watermarks	
O Available printer memory (in KB): 5242 €     O Available font cache (in KB): 2359 €	
Sort       Sort       Toner Save       Off       Secure	
Change setting for: Sort	
Installable options           Number of Paper Trays         1           Hard Disk Drive         Not installed           Memory         Standard	
Change setting for: Number of Paper Trays	
(5)     (6)       Help     Restore Defaults	
OK Cancel Apply	]

#### 1. Available printer memory

Specifies the amount of available printer memory. The driver uses this information when performing printing tasks, such as sending fonts from the computer to the printer.

#### 2. Available font cache

Displays the amount of font cache memory now available to Type 32 fonts (bitmap font format). The Driver automatically adjusts the font cache size according to the installed memory option selected in the Installable options box.

#### 3. Printer features

Specifies the following printer settings:

#### • Sort

Select whether to Stack or Sort when printing multiple copies.

**Note:** Paper must be loaded into the machine in both directions when using the Rotate Stack and Rotate Sort functions (i.e. Letter and Letter-R, A4 and A4-R).

Non Sort



### Windows 98/Windows Me

#### Toner Save (For DP-180/190 only)

This setting saves toner by reducing its consumption, and it is cost-effective when printing many draft copies prior to the final document.

#### Secure

Select Mailbox or Secure Mailbox if storing the print data into the mailbox of the machine. Available if the optional Hard Disk Drive Unit (DA-HD18/HD19/HD30/HD60) is installed.

Note: 1. The PS Driver Security Utility must be installed in order to use the User ID Password.

- 2. DA-HD18: For DP1520P/1820P/1820E; DA-HD19: For DP-180/190;
  - DA-HD30: For DP-2330/3030; DA-HD60: For DP-3530/4530/6030.

#### Print Blank Pages

Select whether the blank pages are printed or not.

#### • Tray Switching (Except for Windows 98, Windows Me)

For uninterrupted printing, this setting allows automatic tray switching to another tray with same paper size, when the paper runs out of selected tray.

#### Front Cover Page

Select to insert a blank page as a Front Cover. Specify where the paper you want to use is located in the device. If you choose Auto Tray Selection, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

#### Back Cover Page

Select to insert a blank page as a Back Cover. Specify where the paper you want to use is located in the device. If you choose Auto Tray Selection, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

#### 4. Installable options

Specifies the following printer settings:

#### Number of Paper Trays

Select the number of available paper trays if optional Paper Feed Module(s) are installed.

• Hard Disk Drive Select if the HDD Unit is installed.

#### • Memory

Select the memory (Standard or additional). Only available if the optional HDD unit (DA-HD18/HD19/HD30/HD60) is installed.

Note: DA-HD18: For DP1520P/1820P/1820E; DA-HD19: For DP-180/190; DA-HD30: For DP-2330/3030; DA-HD60: For DP-3530/4530/6030.

#### 5. Help button

Displays the help window for this printer driver.

#### 6. Restore Defaults button

Sets the values of all options in the current dialog box to the default values specified by the PPD file.



 Device Option Tab specifies device-specific settings and settings of optional devices. Make sure that the **Device Option Tab** is set properly before printing a document, or printing problems may occur.

### Windows 98/Windows Me

### Device Options Tab (DP-2330/3030/3530/4530/6030)

<for 4530="" 6030="" dp-3530=""></for>	<for 3030="" dp-2330=""></for>
Panasonic DP-6030PS Properties	Panasonic DP-3030PS Properties
General Details Paper Graphics Fonts Device Options PostScript Watermarks	General Details Paper Graphics Fonts Device Options PostScript Watermarks
①Available printer memory (in KB): 3072 📮	①Available printer memory (in KB): 5242 🚔
2 Available font cache (in KB): 1024 3 Printer features	Available font cache (in KB):     2359
Sort Sort Sort Staple None Punch None	Sort Sort Staple None Secure None
Change <u>s</u> etting for: Sort	Change <u>s</u> etting for: Sort
Installable gptions     Number of Paper Trays     Large Capacity Paper Not installed     Not installed	Installable options     Number of Paper Trays     Outer Option     None     Inner Tray     Not installed
Change setting for: Number of Paper Trays	Change setting for: Number of Paper Trays
(5)     (6)       Help     Restore Defaults	6 Help Restore Defaults
OK Cancel Apply	OK Cancel Apply

#### 1. Available printer memory

Specifies the amount of available printer memory. The driver uses this information when performing printing tasks, such as sending fonts from the computer to the printer.

#### 2. Available font cache

Displays the amount of font cache memory now available to Type 32 fonts (bitmap font format). The Driver automatically adjusts the font cache size according to the installed memory option selected in the Installable options box.

#### 3. Printer features

Specifies the following printer settings:

#### • Sort

Select whether to Stack or Sort when printing multiple copies.



### Windows 98/Windows Me

#### Staple

Select the staple position. Available if the optional Finisher (DA-FS300, FS330, FS355, FS600 or FS605) is installed. Available for up to 30 sheets (Letter/A4).



### Windows 98/Windows Me

#### • Punch (For DP-3530/4530/6030 only)

Select the punch position. Available if the optional Punch Unit is installed.



#### Secure

Select the Mailbox or Secure Mailbox if storing the print data into the mailbox of the machine. Available if the optional Hard Disk Drive Unit (DA-HD30/HD60) is installed.

Note: The PS Driver Security Utility must be installed in order to use the user ID password.

#### Print Blank Pages

Select whether the blank pages are printed or not.

#### • Tray Switching (Except for Windows 98, Windows Me)

Allow the paper to be fed continuously if the same size of paper is loaded in another paper tray (Auto Tray Switching). If not selected, the machine will stop if paper runs out in the chosen paper tray.

#### Front Cover Page

Set to insert a blank page as the Front Cover. Specify where the paper you want to use is located in the device. If you choose Auto Tray Selection, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

#### Back Cover Page

Set to insert a blank page as the Back Cover. Specify where the paper you want to use is located in the device. If you choose Auto Tray Selection, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

#### Duplex Notice (For DP-2330/3030 only)

Check whether "2-Sided Print" is printed on the footer of 1st page when printing with 2-Sided Page Style.

### Windows 98/Windows Me

- 4. Installable options Specifies the following printer settings:
  - Number of Paper Trays Select the number of available paper trays if optional Paper Feed Module(s) are installed.
  - Large Capacity Paper Tray (LCT) (For DP-3530/4530/6030 only) Select if a Large Capacity Paper Tray is installed.
  - Finisher (For DP-3530/4530/6030 only) Select the type of Finisher if a Finisher is installed.
  - Punch Unit (For DP-3530/4530/6030 only) Select if a Punch Unit is installed.
  - Outer Option (For DP-2330/3030 only) Select the type of Finisher if a Finisher is installed.
  - Inner Tray (For DP-2330/3030 only) Select "Installed" if the Inner Tray is installed.
  - Duplex Unit (For DP-2330/3030 only) Select "Installed" if the Duplex Unit is installed.
  - Hard Disk Drive Select if the HDD Unit is installed.
- 5. Help **button** Displays the help window for this printer driver.
- 6. Restore Defaults **button** Sets the values of all options in the current dialog box to the default values specified in the PPD file.



1 Device Option Tab specifies device-specific settings and settings of optional devices.

### Windows 98/Windows Me

### PostScript Tab

Panasonic DP-1820EPS Properties	? ×
General Details Sharing Paper Fonts Device Options PostScript W	Graphics   atermarks
PostScript output format:	
PostScript (optimize for speed)     O     PostScript header     O     Download header with each print job	
C Assume header is downloaded and retained	
Send Header 1	low
③ I Print PostScript error information	
PostScript timeout values ④ Job timeout: 0 🚎 seconds	
(5) <u>W</u> ait timeout: 600 <u>→</u> seconds	
6 7 8 Advanced Help Restore	Defaults
OK Cancel	

#### 1. PostScript output format

Specifies the format for the PostScript files. Generally, use PostScript (Optimize For Speed) for printing a document.

2. PostScript header

Specifies whether to send header information to the printer each time you print a document; this is an advanced feature to be used only if you have experience working with headers.

#### 3. Print PostScript error information

Specifies whether to send a special PostScript error handler with every document that you print.

#### 4. PostScript timeout value - Job timeout

Specifies the maximum number of seconds that the print job can take to get from the computer to the printer before the job is canceled.

A value of zero means that the job is never canceled. If your printer is shared, do not specify a value of zero.

#### 5. PostScript timeout value - Wait timeout

Specifies the maximum number of seconds that the printer will wait for the computer to send data before canceling the job.

A value of zero means that the job is never canceled. If your printer is shared, do not specify a value of zero.

#### 6. Advanced... button

Displays the Advanced PostScript Options dialog box. Click this button to view and change advanced PostScript settings. Only use this option if you are an advanced user with experience working with PostScript.

#### 7. Help button

Displays the help window for this printer driver.

#### 8. Restore Defaults **button**

### Windows 98/Windows Me

### Watermarks Tab

G	anasonic DP-1820EPS Properties
	General         Details         Sharing         Paper         Graphics           Fonts         Device Options         PostScript         Watermarks
	Select a watermark:         INone)         CONFIDENTIAL         COPY         DRAFT
	2 Print watermark
	On first page only
	Image: space
	OK Cancel Apply

#### 1. Select a watermark

Lists and displays the available watermark definitions. Click an entry on the list to delete or edit it.

The New button displays the New Watermark dialog box, that allows you add a new watermark to the list.

#### 2. Print watermark

Specifies the watermark form and style.

#### 3. Help button

Displays the Help window for this printer driver.

### Windows NT 4.0 (Administrator)

### **General Tab**

Panasonic DP-1820EPS Properties	
General Ports Scheduling Sharing Security Device Settings	
1 <u>C</u> omment	
2 Location:	
③ Driver:         AdobePS Panasonic DP-1820E PS ▼         New Driver	
<u>Separator Page</u> <u>5</u> Print Processor <u>6</u> Print <u>Iest Page</u>	
OK Cancel	

#### 1. Comment

Enter comments regarding the properties, if any.

If another user sets up this printer on his or her computer when sharing the printer, the comment specified here will also appear on that computer. However, the comment displayed for an existing user will remain unchanged even if the comment is modified later.

#### 2. Location

Specifies the printer location.

#### 3. Driver

Displays the printer driver type. Specify the printer being used or a printer model that can be emulated with the printer being used.

Click New Driver... | button updates or modifies the printer driver.

#### 4. Separator Page... button

This feature is not available on these machines.

#### 5. Print Processor... button

Specify the processor to be used for printing (Print Processor) and the data type (Default Data type).

The processor and data type affect the manner in which the printer functions in Windows NT. Normally they do not need to be modified. However, modification might be necessary when the printer is used with a special application.

#### 6. Print Test Page button

Prints a test page. This allows the user to verify if the printer is installed properly.



 In Windows NT 4.0, setting the properties depends on the logon account. This section describes properties to be specified by the administrator (system manager). See "Printing from Windows Application" for details on user properties. (See page 113)

### Windows NT 4.0 (Administrator)

### Ports Tab



1. Print to the following port(s)

Displays a list of available ports for printing (Port), their status (Description) and printers that are connected to these ports (Printer).

2. Add Port... / Delete Port button

Adds/deletes a new port or a new network path.

- 3. Configure Port... **button** Configures the selected port. In case of a parallel port, Transmission Retry should be specified.
- 4. Enable bidirectional support (The feature is not available with these models.) On a printer, this setting enables reception of configuration data and status data from computer.
- 5. Enable printer pooling

Printer pooling allows outputting data from one logical printer to two or more printers. With printer pooling enabled, a transmitted printing job is output to the first printer that is ready for printing.

## Windows NT 4.0 (Administrator)

### Scheduling Tab

Panasonic DP-1820EPS Properties	? ×
General Ports Scheduling Sharing Security Device Settings	
1 Available: • Always	
O From 12:00 AM → Io 12:00 AM →	
2 Priority	
Current Priority: 1	
3 • Spool print documents so program finishes printing faster	
O Start printing after last page is spooled	
Start printing immediately	
O Print directly to the printer	
④ ☐ Hold mismatched documents	
5 Print spooled documents first	
6 Keep documents after they have printed	
OK Car	ncel

#### 1. Available

Schedules when the printer is available for operation. Specify operating hours when **From-To** is selected.

#### 2. Priority

Sets printing priority. The slider allows the priority to be adjusted from 1 through 99.

#### 3. Spool print documents... / Print directly to the printer

Specify how documents should be sent from an application to the printer.

#### 4. Hold mismatched documents

The spooler compares document settings against printer settings and holds printing of a document if its settings (Paper Size, Orientation, and so on) do not match the printer settings.

#### 5. Print spooled documents first

Always prints spooled documents first regardless of printing priority.

#### 6. Keep documents after they have printed

Holds documents in the print queue even after they have been printed. These documents can be printed again directly from the queue regardless of the state the application is in.

### Windows NT 4.0 (Administrator)

### Sharing Tab

Panasonic DP-1820EPS Properties
General Ports Scheduling Sharing Security Device Settings
Panasonic DP-1820E PS
• Ngt Shared
O Shared
② Share Name:
You may install alternate drivers so that users on the following systems can download them automatically when they connect.
3 Alternate Drivers:
Windows 95 Windows NT 4.0 x86 (Installed) Windows NT 4.0 MIPS Windows NT 4.0 Alpha Windows NT 4.0 PPC
To modify the permissions on the printer, go to the Security tab.
OK Cancel

#### 1. Not Shared/Shared

Select whether to display or share this printer with other computers.

#### 2. Share Name

Specify the name of the shared printer. The displayed name can be used as is or a new name may be entered. The name specified here will be displayed when other users view information about the printer on the network.

#### 3. Alternate Drivers (The PS Printer Driver is not available in this menu.)

Allows other operating systems printer drivers to be loaded. When users of these operating systems connect to the printer, the printer driver is automatically loaded.



When sharing a printer on the network, the print driver needs to be installed on the print server only; other computers will automatically copy and use that driver. For this reason, the print server must be ready with printer drivers for all the operating systems of all the computers that will be sharing the printer.
# Windows NT 4.0 (Administrator)

### Security Tab

Panasonic DP-1820EPS Properties	
General Ports Scheduling Sharing Security Device Settings	
Permissions View or set permission information on the selected item(s). Permissions	
Auditing View or set auditing information on the selected item(s).	
Ownership View or take ownership of the selected item(s).	
OK Cancel	

- 1. Permissions **button** Set printer access privileges.
- 2. Auditing **button** Displays the users who have used this printer and how they used it.
- 3. Ownership **button** Set the ownership of the printer.



1. In order to utilize these features, first you need to select **Audit...** from **User Manager's Policies** and enable **File and Object Access** in the **Audit Policy** dialog box.

## Windows NT 4.0 (Administrator)

## Device Settings Tab (DP-180/190/1520P/1820P/1820E)

Panasonic DP-1820EPS Properties	ce Settings
AdobePS Panasonic DP-1820EPS Device Settings     Form To Tray Assignment     Bypass Tray: <letter>     Tray 1: <letter>     Tray 2: <not available="">     Tray 3: <lot available="">     Tray 4: <not available="">     Tray 4: <not available="">     Available PostScript Memory: &lt;5120 KB&gt;     Available PostScript Memory: &lt;5120 KB&gt;</not></not></lot></not></letter></letter>	
Change 'Bypass Tray' Setting FLS2 8.5x13 INVOICE Ledger. Legal Change 'Bypass Tray' Setting INVOICE Ledger. Letter OK	Cancel

Specifies the following printer settings and options:

### • Form To Tray Assignment

Specifies the paper size of each available tray.

### Font Substitutuion Table

Specifies which PostScript fonts to substitute for TrueType fonts. Instead of sending all TrueType fonts to your printer, this option substitutes a PostScript printer font for the common TrueType fonts used in your document.

### Available PostScript Memory

Specifies the amount of available printer memory. The driver uses this information when performing printing tasks, such as sending fonts from the computer to the printer.

### Output Protocol

Specifies the data format to the printer. Only use this option if you are an advanced user with experience working with PostScript.

### Send CTRL-D Before/After Each Job

Sends a CTRL+D to notify the printer that the current job has finished printing and to reset the printer. Only use this option if you are an advanced user with experience working with PostScript.

### Convert Gray Text/Graphics to PostScript Gray

This feature is not available on these machines.

### Add Euro Currency Symbol to PostScript Fonts

Adds the European currency symbol to most PostScript fonts.

### Job timeout

Specifies the maximum number of seconds that the print job can take to get from the computer to the printer before the job is canceled.

A value of zero means that the job is never canceled. If your printer is shared, do not specify a value of zero.

# Windows NT 4.0 (Administrator)

### Wait timeout

Specifies the maximum number of seconds that the printer will wait for the computer to send data before canceling the job.

A value of zero means that the job is never canceled. If your printer is shared, do not specify a value of zero.

### Minimum Font Size to Download as Outline

Specifies the minimum font size to download as Outline. Increasing this value can speed up printing.

#### Maximum Font Size to Download as Bitmap

Specifies the maximum font size to download as Bitmap. Decreasing this value can speed up printing.

Installable Options

- Number of Paper Trays Select the number of available paper trays if optional Paper Feed Module(s) are installed.
- Hard Disk Drive

Select if the HDD Unit is installed.

#### • Memory

Select the memory (Standard or additional). (Only available if the optional HDD unit (DA-HD18/HD19/HD30/HD60) is installed)

- Note: 1. DA-HD18: For DP1520P/1820P/1820E; DA-HD19: For DP-180/190;
  - DA-HD30: For DP-2330/3030; DA-HD60: For DP-3530/4530/6030.
  - 2. Make sure that the **Device Settings Tab** is set properly before printing a document. Otherwise, printing problems may occur.

## Windows NT 4.0 (Administrator)

### Device Settings Tab (DP-2330/3030/3530/4530/6030)

Panasonic DP-6030PS Properties General Ports Scheduling Sharing Security Device Settings	? ×	
AdobePS Panasonic DP-6030PS Device Settings Form To Tray Assignment Pray 1: <letter> Tray 2: <letter> Tray 2: <letter> Tray 2: <letter> Tray 2: <letter> Tray 2: <letter> Tray 4: <not available=""> Tray 4: <not available=""> Tray 4: <not available=""> Tray 4: <not available=""> Available PostScript Memory: &lt;3000 KB&gt; Dutput Protocol: <ascii> Change 'Bypass Tray' Setting FLS2 8:5x13</ascii></not></not></not></not></letter></letter></letter></letter></letter></letter>		
FLS28.0813     Invoice     Ledger.     Legal     Letter      OK Ca		

Specifies the following printer settings and options:

### Form To Tray Assignment

Specifies the paper size of each available tray.

### Font Substitutuion Table

Specifies which PostScript fonts to substitute for TrueType fonts. Instead of sending all TrueType fonts to your printer, this option substitutes a PostScript printer font for the common TrueType fonts used in your document.

### Available PostScript Memory

Specifies the amount of available printer memory. The driver uses this information when performing printing tasks, such as sending fonts from the computer to the printer.

### Output Protocol

Specifies the data format to the printer. Only use this option if you are an advanced user with experience working with PostScript.

### Send CTRL-D Before/After Each Job

Sends a CTRL+D to notify the printer that the current job has finished printing and to reset the printer. Only use this option if you are an advanced user with experience working with PostScript.

Convert Gray Text/Graphics to PostScript Gray

This feature is not available on your machine.

### Add Euro Currency Symbol to PostScript Fonts

Adds the European currency symbol to most PostScript fonts.

### Job timeout

Specifies the maximum number of seconds that the print job can take to get from the computer to the printer before the job is canceled.

A value of zero means that the job is never canceled. If your printer is shared, do not specify a value of zero.

# Windows NT 4.0 (Administrator)

### Wait timeout

Specifies the maximum number of seconds that the printer will wait for the computer to send data before canceling the job.

A value of zero means that the job is never canceled. If your printer is shared, do not specify a value of zero.

- Minimum Font Size to Download as Outline Specifies the minimum font size to download as Outline. Increasing this value can speed up printing.
- Maximum Font Size to Download as Bitmap Specifies the maximum font size to download as Bitmap. Decreasing this value can speed up printing.

Installable Options

- Number of Paper Trays Select the number of available paper trays if optional Paper Feed Module(s) are installed.
- Large Capacity Paper Tray (LCT) (For DP-3530/4530/6030 only) Select if a Large Capacity Paper Tray is installed.
- Finisher (For DP-3530/4530/6030 only) Select the type of Finisher if a Finisher is installed.
- Punch Unit (For DP-3530/4530/6030 only) Select if a Punch Unit is installed.
- Outer Option (For DP-2330/3030 only) Select the type of Finisher if a Finisher is installed.
- Inner Tray (For DP-2330/3030 only) Select "Installed" if the Inner Tray is installed.
- Duplex Unit (For DP-2330/3030 only) Select "Installed" if the Duplex Unit is installed.
- Hard Disk Drive Select if the HDD Unit is installed.

## Windows 2000/Windows XP/Windows Server 2003 (Administrator)

### General Tab

4	Panasonic DP-1820EPS Properties
	General Sharing Ports Advanced Security Device Settings
(1)	Panasonic DP-1820E PS
0	
(C	<u>Locator</u>
3	) <u>C</u> omment:
	Model: AdobePS Panasonic DP-1820E PS
<u>(4</u>	Features
	Color: No Paper available:
	Double-sided: Yes Letter
	Staple: No
	Speed: 18 ppm
	Maximum resolution: 1200 dpi
	5 Printing Preferences Print Lest Page 6
-	

#### 1. Printer Name

Name of the printer specified upon installation is displayed.

#### 2. Location

Specifies the printer location.

#### 3. Comment

Enter comments to the properties, if any.

If another user sets up this printer on his or her computer when sharing the printer, the comment specified here will also appear on that computer. However, the comment displayed for an existing user will remain unchanged even if the comment is modified later.

#### 4. Features

Functions and settings of the printer are displayed.

### 5. Printing Preferences... button

Changes properties (print settings) specifiable for each user. Refer to "Printing from Windows Applications" for detailed settings. (See page 113)

### 6. Print Test Page button

Prints a test page. This allows the user to verify if the printer is installed properly.



1. In Windows 2000/Windows XP/Windows Server 2003, setting the properties depends on the logon account. This section describes properties to be specified by the administrator (system manager).

See "Printing from Windows Applications" for details on user properties. (See page 113)

## Windows 2000/Windows XP/Windows Server 2003 (Administrator)

### **Sharing Tab**

🇳 Panasonic DP-1820E PS Properties	Image: Second control of the second control
General Sharing Ports Advanced Color Management Security Device Options	General Sharing Ports Advanced Color Management Security Device Options
Penesonic DP-1820E PS	You can share this printer with other users on your network. To enable sharing for this printer, click Share this printer.
O C Shared a:	O Do got share this printer     Share this printer     Share name:
Drivers for different versions of Windows If this private is shared with users running different versions of Windows then you will need to install additional drivers for it.           Q         Additional Drivers	Drivers If this printer is shared with users running different versions of Windows, you may wark to initial additional drives, so that the users do not have to find the print driver when they connect to the shared printer. Additional Drivers
OK Cancel Apply H	ep OK Cancel Apply Help

1. Not shared/Shared as (Do not share this printer/Share this printer) Select whether to display or share this printer with other computers.

For sharing a printer, specify the share name of a printer to be shared. A name specified here appears when other users view the printer information on a network.

### 2. Additional Drivers... button (The PS Printer Driver is not available in this menu.)

Allows other operating systems printer drivers to be loaded. When users of these operating systems connect to the printer, the printer driver is automatically loaded.



- 1. When sharing a printer on the network, the print driver needs to be installed on the print server only; other computers will automatically copy and use that driver. For this reason, the print server must be ready with printer drivers for all the operating systems of all the computers that will be sharing the printer.
- 2. If Windows is set to disable remote access to your PC for security, Windows will ask you to activate the Network Setup Wizard. Follow the messages to enable the Sharing Tab.

## Windows 2000/Windows XP/Windows Server 2003 (Administrator)

### Ports Tab

Conservic DD 1000EDC Departies	2 1
General Sharing Ports Advanced Security Device Settings Panasonic DP-1820E PS	
Print to the following port(s). Documents will print to the first free checked port.      Ret Description Reinter	-
Polt     Description     Printer       □     LPT1:     Printer Port       □     LPT2:     Printer Port       □     LPT3:     Printer Port       □     COM1:     Serial Port       □     COM2:     Serial Port       □     COM3:     Serial Port       □     COM4:     Serial Port	
Add Port       Delete Port       Configure Port (         Image: Configure Port       Enable bidirectional support         Image: Configure Port       Enable printer pooling	3
OK Cancel Apply	

### 1. Print to the following port(s)

Displays a list of available ports for printing (Port), their status (Description) and printers that are connected to these ports (Printer).

2. Add Port... / Delete Port button

Adds/deletes a new port or a new network path.

3. Configure Port... **button** 

Configures the selected port. In case of a parallel port, Transmission Retry should be specified.

- 4. Enable bidirectional support (The feature is not available with these models.) Be sure to check the check box for "Enable bidirectional support" when installing the status monitor. Otherwise, status information reception may not function property.
- 5. Enable printer pooling

Printer pooling allows outputting data from one logical printer to two or more printers. With printer pooling enabled, a transmitted printing job is output to the first printer that is ready for printing.

## Windows 2000/Windows XP/Windows Server 2003 (Administrator)

### Advanced Tab

General Sharing Ports Advanced Security Device Settings Available from 12:00 AM To 12:00
General       Sharing       Pots       Advanced       Security       Device Settings         Image: Staring       Image: Staring       Image: Staring       Image: Staring       Image: Staring         Image: Staring       Image: Staring       Image: Staring       Image: Staring       Image: Staring         Image: Staring       Image: Staring       Image: Staring       Image: Staring       Image: Staring         Image: Staring       Image: Staring       Image: Staring       Image: Staring       Image: Staring         Image: Staring       Image: Staring       Image: Staring       Image: Staring       Image: Staring         Image: Staring       Image: Staring       Image: Staring       Image: Staring       Image: Staring         Image: Staring       Image: Staring       Image: Staring       Image: Staring       Image: Staring         Image: Staring       Image: Staring       Image: Staring       Image: Staring       Image: Staring       Image: Staring         Image: Staring       Image: Staring       Image: Staring       Image: Staring       Image: Staring       Image: Staring       Image: Staring         Image: Staring       Image: Staring       Image: Staring       Image: Staring       Image: Staring       Image: Staring       Image: Staring       Image: Staring
Image: Available from       12:00 AM       To       12:00 AM         Image: Priority:       Image: AdobePS Panasonic DP-1820E PS       New Driver
Priority: 1          ③ Driver:       AdobePS Panasonic DP-1820E PS       New Driver
3 Driver:       AdobePS Panasonic DP-1820E PS       New Driver       4         5       Spool print documents so program finishes printing faster
5 Spool print documents so program finishes printing faster
C Start printing after last page is spooled
Start printing immediately
C Print directly to the printer
Print spooled documents first
8 Keep printed documents
9   Enable advanced printing features (11)
10         Printing Defaults         Print Processor         Separator Page
OK Cancel Apply

### 1. Always available/Available from

Schedules when the printer is available for operation. Specify operating hours when **From-To** is selected.

### 2. Priority

Sets printing priority. The slider allows the priority to be adjusted from 1 through 99.

### 3. Driver

Displays the printer driver type. Specify the printer being used or a printer model that can be emulated with the printer being used.

4. New Driver... **button** 

Updates or modifies the printer driver.

### 5. Spool print documents... / Print directly to the printer

Specify how documents should be sent from an application to the printer.

### 6. Hold mismatched documents

The spooler compares document settings against printer settings and holds printing of a document if its settings (Paper Size, Orientation, and so on) do not match the printer settings.

### 7. Print spooled documents first

Always prints spooled documents first regardless of printing priority.

### 8. Keep printed documents

Holds documents in the print queue even after they have been printed. These documents can be printed again directly from the queue regardless of the state the application is in.

### 9. Enable advanced printing features

Enables advanced printing features. Optional printer features (page ordering, booklet printing, numbering on sheets) are enabled. These features can be disabled if a problem occurs due to incompatibility. Disabling the features may also disable the printing options.

**Printer Section** 

## Windows 2000/Windows XP/Windows Server 2003 (Administrator)

### 10. Printing Defaults... button

Specifies standard (default) values for the properties (print settings) specifiable for each user. If a local printer is shared, the settings here are used as printing defaults for other users. Refer to "Printing from Windows Applications" for detailed settings. (See page 113)

### 11. Print Processor... button

Specify the processor to be used for printing (Print Processor) and the data type (Default Data type). The processor and data type affect the manner in which the printer functions in Windows 2000/Windows XP/ Windows Server 2003. Normally they do not need to be modified. However, modification might be necessary when the printer is used with a special application.

### 12. Separator Page... button

This feature is not available on these machines.

## Windows 2000/Windows XP/Windows Server 2003 (Administrator)

### Security Tab

	Panasonic DP-1820E PS Properties General Sharing Ports Advanced Secu Name Administrators (WIN2K-EN-41\Administrations CREATOR OWNER Everyone Power Users (WIN2K-EN-41\Power User	rity Device Settings Add tors) <u>A</u> dd s)	? ×
	Permissions:	Allow Deny	ny
	Manage Printers Manage Documents		
(	Advanced	Cancel Ap	áppíy

Displays a list of users and groups to whom printer access is assigned to. A list of standard permissions for each group or user is displayed. Check the checkboxes for permitting or prohibiting access. Gray checkbox indicates the permission inheritance.

1. Add... / Remove button

Add or delete a user or group from the list.

2. Advanced... button

Specify access to a printer, audit, and owner.

Type         Name         Permission         Apply to           Nation         CREATOR OW/NER         Manage Doc         Documents           Nation         Everyone         Print         This printer	only
Allow CREATOR OWNER Manage Doc Documents Allow Everyone Print This printer	only
Allow Everyone Print This printer	
	only
👫 Allow Administrators (WIN2K Manage Print This printer	only
🔊 Allow Administrators (WIN2K Manage Doc Documents	only
🕅 Allow Power Users (WIN2K-E Manage Print This printer	only
🕅 Allow Power Users (WIN2K-E Manage Doc Documents	only
his permission is defined directly on this object. This permission is inheri	ted by child objec

NOTE

- 1. Windows 2000 provides the capability of managing access to various objects (e.g. printers) by users.
- 2. Refer to Windows 2000 documentation for details on access permission, audit, and owner.
- 3. Windows XP/Windows Server 2003 users should refer to the documentation to enable the Security Tab if this tab is not shown on your PC.

## Windows 2000/Windows XP/Windows Server 2003 (Administrator)

### Device Settings Tab (DP-180/190/1520P/1820P/1820E)



Specifies the following printer settings and options:

### Form To Tray Assignment

Specifies the paper size of each available tray.

### Font Substitutuion Table

Specifies which PostScript fonts to substitute for TrueType fonts. Instead of sending all TrueType fonts to your printer, this option substitutes a PostScript printer font for the common TrueType fonts used in your document.

### Available PostScript Memory

Specifies the amount of available printer memory. The driver uses this information when performing printing tasks, such as sending fonts from the computer to the printer.

### Output Protocol

Specifies the data format to the printer. Only use this option if you are an advanced user with experience working with PostScript.

### Send CTRL-D Before/After Each Job

Sends a CTRL+D to notify the printer that the current job has finished printing and to reset the printer. Only use this option if you are an advanced user with experience working with PostScript.

### Convert Gray Text/Graphics to PostScript Gray

This feature is not available on these machines.

### Add Euro Currency Symbol to PostScript Fonts

Adds the European currency symbol to most PostScript fonts.

### Job timeout

Specifies the maximum number of seconds that the print job can take to get from the computer to the printer before the job is canceled.

A value of zero means that the job is never canceled. If your printer is shared, do not specify a value of zero.

# Windows 2000/Windows XP/Windows Server 2003 (Administrator)

### Wait timeout

Specifies the maximum number of seconds that the printer will wait for the computer to send data before canceling the job.

A value of zero means that the job is never canceled. If your printer is shared, do not specify a value of zero.

### Minimum Font Size to Download as Outline

Specifies the minimum font size to download as Outline. Increasing this value can speed up printing.

### Maximum Font Size to Download as Bitmap

Specifies the maximum font size to download as Bitmap. Decreasing this value can speed up printing.

Installable Options

• Number of Paper Trays Select the number of available paper trays if optional Paper Feed Module(s) are installed.

### Hard Disk Drive

Select if the HDD Unit is installed.

#### • Memory

Select the memory (Standard or additional). Only available if the optional HDD unit (DA-HD18/HD19/HD30/HD60) is installed.

- Note: 1. DA-HD18: For DP1520P/1820P/1820E; DA-HD19: For DP-180/190;
  - DA-HD30: For DP-2330/3030; DA-HD60: For DP-3530/4530/6030.
  - 2. Make sure that the **Device Settings Tab** is set properly before printing a document. Otherwise, printing problems may occur.

## Windows 2000/Windows XP/Windows Server 2003 (Administrator)

### Device Settings Tab (DP-2330/3030/3530/4530/6030)



Specifies the following printer settings and options:

### Form To Tray Assignment

Specifies the paper size of each available tray.

### Font Substitutuion Table

Specifies which PostScript fonts to substitute for TrueType fonts. Instead of sending all TrueType fonts to your printer, this option substitutes a PostScript printer font for the common TrueType fonts used in your document.

### Available PostScript Memory

Specifies the amount of available printer memory. The driver uses this information when performing printing tasks, such as sending fonts from the computer to the printer.

### Output Protocol

Specifies the data format to the printer. Only use this option if you are an advanced user with experience working with PostScript.

### Send CTRL-D Before/After Each Job

Sends a CTRL+D to notify the printer that the current job has finished printing and to reset the printer. Only use this option if you are an advanced user with experience working with PostScript.

Convert Gray Text/Graphics to PostScript Gray

This feature is not available on your machine.

Add Euro Currency Symbol to PostScript Fonts

Adds the European currency symbol to most PostScript fonts.

### Job timeout

Specifies the maximum number of seconds that the print job can take to get from the computer to the printer before the job is canceled.

A value of zero means that the job is never canceled. If your printer is shared, do not specify a value of zero.

## Windows 2000/Windows XP/Windows Server 2003 (Administrator)

### Wait timeout

Specifies the maximum number of seconds that the printer will wait for the computer to send data before canceling the job.

A value of zero means that the job is never canceled. If your printer is shared, do not specify a value of zero.

- Minimum Font Size to Download as Outline Specifies the minimum font size to download as Outline. Increasing this value can speed up printing.
- Maximum Font Size to Download as Bitmap Specifies the maximum font size to download as Bitmap. Decreasing this value can speed up printing.

Installable Options

- Number of Paper Trays Select the number of available paper trays if optional Paper Feed Module(s) are installed.
- Large Capacity Paper Tray (LCT) (For DP-3530/4530/6030 only) Select if a Large Capacity Paper Tray is installed.
- Finisher (For DP-3530/4530/6030 only) Select the type of Finisher if a Finisher is installed.
- Punch Unit (For DP-3530/4530/6030 only) Select if a Punch Unit is installed.
- Outer Option (For DP-2330/3030 only) Select the type of Finisher if a Finisher is installed.
- Inner Tray (For DP-2330/3030 only) Select "Installed" if the Inner Tray is installed.
- Duplex Unit (For DP-2330/3030 only) Select "Installed" if the Duplex Unit is installed.
- Hard Disk Drive Select if the HDD Unit is installed.

To change the printer settings, open the printer properties by performing the following steps.



Select the Panasonic printer.

Select the File menu > Print.

Printer: Panasonic DP-1820E PS 🔶	8.8.0 (301) Destination: Printer
General 🗢	
Copies: 1	🗌 Reverse Order
Pages:   All	
O From: To:	
Paper Source:   All pages from:	Auto Select 😫
First page from:	Tray 1 \$
Remaining from:	Tray 1 \$
Save Settings	Cancel Print

In print window, you will see a number of titles in the pop-up menu. The appropriate operating system shows different titles in the window.

#### Mac OS 8.6/9.x:

Click the Save Settings button to save the current settings for the default values.

#### Mac OS X:

Select Save Custom Setting menu to save the current settings for the default values.

## Mac OS 8.6/9.x

### **General Menu**

Printer: Panasonic DP-1820E PS ♦ Destination: Printer ♦	
General 🗢	
1 Copies: 1 Reverse Order	
② Pages: ④ All ③ From: To:	
③ Paper Source: ④ All pages from: Auto Select 😫	
Q First page from: Tray 1 ♦	
Remaining from: (Tray 1 🔶	
Save Settings Adobe Cancel Print	

### 1. Copies

Specify the number of copies to be printed.

### 2. Pages

Specify the range of printing pages.

### 3. Paper Source

Specify where the paper you want to use is located in the device. If you choose **Auto Select**, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

- **Note:** 1. If no paper size match is found, the printer drive will select the Tray 1. (DP-180/190)
  - 2. If no paper size match is found, the printer drive will select the Bypass Tray. (DP-1520P/ 1820P/1820E/2330/3030/3530/4530/6030)

## Mac OS 8.6/9.x

### **Background Printing Menu**

8.8.0 (301) Printer: Panasonic DP-1820E PS + Destination: Printer +	
Background Printing     ♦	
Print in: O Foreground (no spool file)     Background	
2) Print Time: 🔾 Urgent	
Normal	
Print at: 10:44 AM     1/29/2004	
() Tac bocanicit on tota	
Save Settings Kobe Cancel Print	

### 1. Print in

Select Foreground or Background printing.

Foreground printing ties-up your Macintosh while it prints the job. Printing is completed more quickly, and the document takes less disk space when preparing for printing.

The Background selection causes your Macintosh to write your job to the hard disk before printing it. This frees-up the computer so you can work while the job is printing, but it takes longer overall.

### 2. Print Time

Schedules when the printer outputs current documents.

You can specify operating hours when From-To is selected, or holds documents in the print queue.

# Mac OS 8.6/9.x

### **Cover Page Menu**

Printer:     Panasonic DP-1820E PS     ♦     Destination:     Printer     ♦
Cover Page
Print Cover Page:   None  Before Document
O After Document
Cover Page Paper Source: Same as document 💠
Save Settings Kobe Cancel Print

### NOTE:

This feature is not available on these machines.

# Mac OS 8.6/9.x

### **Color Matching Menu**

Printer:     Panasonic DP-1820E PS +       Color Matching +
Print Color: Color/Grayscale 🗢
Printer Profile: 150-Line (Pantone) 💠
Save Settings Kabbe Cancel Print

### NOTE:

This feature is not available on these machines.

## Mac OS 8.6/9.x

### Layout Menu



### 1. Pages per sheet

Specify the number for printing multiple documents on a single sheet of paper. Select this option to view an example.

### 2. Layout direction

Specify the layout direction for printing multiple documents on a single sheet of paper. Select this option to view an example.

### 3. Border

Specify whether page borders are used when printing multiple documents on a single sheet of paper.

### 4. Print on Both Sides / Binding

Specify whether and how the printer should print the document on both sides of the paper.

## Mac OS 8.6/9.x

### **Error Handling Menu**

88.0 (301) Printer: Panasonic DP-6030 PS ♦ Destination: Printer ♦	
Error Handling	
① If there is a PostScript™ error:	
© No special reporting O Summarize on screen	
O Print detailed report	
(2) If the cassette is out of paper:	
<ul> <li>Switch to another cassette with same paper size</li> </ul>	
🔾 Display alert	
Save Settings Kobe Cancel Print	

- 1. If there is a PostScript error Specifies how to send PostScript error information with every document that you print.
- 2. If the paper tray is out of paper (For DP-2330/3030/3530/4530/6030 only) Specify what will happen if paper runs out in the chosen paper tray.

## Mac OS 8.6/9.x

### PostScript Settings Menu

Printer:     Panasonic DP-1820E PS     \$     Destination:     Printer     \$       PostScript Settings     \$	
Format: PostScript Job     PostScript Level:      Level 1, 2 and 3 Compatible     Level 2 Only     Level 3 Only	
③ Data Format: ● ASCII	
Save Settings Kooke Cancel Print	

### 1. Format

Specifies the format for the PostScript files. Generally, use PostScript job for printing a document.

### 2. PostScript Level

Specifies the level for the PostScript.

### 3. Data Format

Specifies the data format to the printer. Only use this option if you are an advanced user with experience working with PostScript.

### 4. Font Inclusion

Specifies the font inclusion for the PostScript print.

## Mac OS 8.6/9.x

### **Output Menu**

		8.8.0 (301)	
	Printer: Panasonic DP-6030 PS 😫	Destination: Printer 😫	
	Output 🗢		
(	Collation: Off 😫		
	2) Finisher Bin: Bin 1 🔹		
(.	3) Sort: Sort		
(4	4) Staple: None 🔶		
(,	b)Punch: None		
	Save Settings Adobe	Cancel Print	

### 1. Collation

This feature is not available on these machines.

### 2. Finisher Bin/Output Tray (For DP-2330/3030/3530/4530/6030 only)

Specifies which output bin to use for your printed document. Some printer models have more than one output bin you can use for sorting your documents.

### 3. Sort

Select whether to Stack or Sort when printing multiple copies.

**Note:** Paper must be loaded into the machine in both directions when using the Rotate Stack and Rotate Sort functions (i.e. Letter and Letter-R, A4 and A4-R).

### 4. Staple (For DP-2330/3030/3530/4530/6030 only)

Select the staple position. Available if the optional Finisher (DA-FS300, FS330, FS355, FS600 or FS605) is installed.

5. **Punch (For DP-3530/4530/6030 only)** Select the punch position. Available if the optional Punch Unit is installed.

## Mac OS 8.6/9.x

### **Quality Menu**

(	Printer: Panasonic DP-190PS + Quality + Media Type: Plain Paper + 2)Resolution: 600x600dpi + 3)Toner Save: Off +	8.8.0 (301) Destination: Printer 🔷	
	Save Settings Adobe	Cancel Print	

### 1. Media Type

Select the paper type.

Note: If selecting other than Plain Paper for the Media Type, the printer driver will select the Bypass Tray if Auto Select Tray was selected as the Paper source within the General menu (see page 89).

### 2. Resolution

Select the resolution you want for printing (300/600/1200dpi Enhanced).

### 3. Toner Save (For DP-180/190 only)

This setting saves toner by reducing its consumption, and it is cost-effective when printing many draft copies prior to the final document.

## Mac OS 8.6/9.x

### **Printer Specific Options Menu**

Printer:       Panasonic DP-3030 PS       \$         Printer Specific Optio	8.8.0 (301) Destination: Printer \$	
Save Settings	Cancel Print	

### 1. Secure

Select Mailbox or Secure Mailbox if storing the print data into the mailbox of the machine. Available if the optional Hard Disk Drive Unit (DA-HD18/HD19/HD30/HD60) is installed.

- Note: 1. The PS Driver Security Utility must be installed in order to use the user ID password.
  - DA-HD18: For DP1520P/1820P/1820E; DA-HD19: For DP-180/190; DA-HD30: For DP-2330/3030; DA-HD60: For DP-3530/4530/6030.

### 2. Print Blank Pages

Select whether the blank pages are printed or not.

### 3. Front Cover Page

Select to insert a blank page as a Front Cover. Specify where the paper you want to use is located in the device. If you choose Auto Tray Selection, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

### 4. Back Cover Page

Select to insert a blank page as a Back Cover. Specify where the paper you want to use is located in the device. If you choose Auto Tray Selection, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

### 5. Duplex Notice (For DP-2330/3030 only)

Check whether "2-Sided Print" is printed on the footer of 1st page when printing with 2-Sided Page Style.

## Mac OS X

### <For Mac OS X 10.1>

With Macintosh OS X, such functions as Staple, Punch and Secure cannot be used because **Print Center > Printers > Configure Printer...** is grayed out and Device Options cannot be selected.

000	View Printer List Add Printer	incip 150
Name     Panasonic DP-1820E PS	Show Queue #O at Make Default #D Close Printer List #W Delete Configure Printer	itus
	lete Add Printer	

For details, refer to Support on Apple's website (http://www.info.apple.com/).

## Mac OS X

### **Copies & Pages Menu**

000	Untitled
	Printer: Panasonic DP-1820E PS
	Presets: Standard
Copie	es & Pages 🗧
	①Copies: 1
	3 Pages: • All From: 1 to: 1
0	Preview Cancel Print

### 1. Copies

Specify the number of copies to be printed.

### 2. Collated

This feature is not available on these machines.

### 3. Pages

Specify the range of printing pages.

## Mac OS X

### Layout Menu



#### 1. Pages per Sheet

Specify the number for printing multiple documents on a single sheet of paper. Select this option to view an example.

#### 2. Layout Direction

Specify the layout direction for printing multiple documents on a single sheet of paper. Select this option to view an example.

#### 3. Border

Specify whether page borders are used when printing multiple documents on a single sheet of paper.

#### 4. Two Sided Printing

Specify whether and how the printer should print the document on both sides of the paper.

## Mac OS X

## Duplex Menu (For Mac OS X10, X10.1, X10.2.1 only)

00	Untitled
	Printer: Panasonic DP-1820E PS
	Presets: Standard
Dup	lex 🗘
	Print on Both Sides Binding:
?	Preview Cancel Print

### Print on Both Sides / Binding

Specify whether and how the printer should print the document on both sides of the paper.

# Mac OS X

### **Output Options Menu**

00	Un	titled	
Printe	Panasonic DP-1	820E PS	+
Preset	: Standard		+
Output Option	s 🕴		
🗌 Save a	s File Format	:: PDF	÷
?	Pre	eview Ca	ncel Print

#### Save as File / Format

Select to save your document as a file. You can specify the file format. The document will not be send to the printer.

## Mac OS X

### Paper Feed Menu

0		Untitled		
Р	rinter: Panasonic I	DP-1820E PS	ŧ	)
Pr	resets: Standard		\$	)
Paper Fee	d 🗘			
	• All pages from:	Auto Select		÷
	O First page from:	Bypass Tray		*
	Remaining from:	Bypass Tray		\$
?	(	Preview	Cancel	Print

### All pages from / First page from

Specify where the paper you want to use is located in the device. If you choose Auto Select, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

- **Note:** 1. If no paper size match is found, the printer drive will select the Tray 1. (DP-180/190)
  - 2. If no paper size match is found, the printer drive will select the Bypass Tray. (DP-1520P/ 1820P/1820E/2330/3030/3530/4530/6030)

## Mac OS X

### **Error Handling Menu**

_			
Printer: P	anasonic DP-1820E PS	\$	
Presets: S	tandard	\$	
Error Handling	+		_
( <sup>1</sup> ) PostScript™ Erro	ors		
No special	reporting		
🔘 Print detail	led report		
2 Tray Switching			
🔘 Use printer	rs default		
O Switch to a	nother cassette with same paper s	ize	
<ul> <li>Display ale</li> </ul>	rt		
L			
2			

### 1. PostScript Errors

Specifies how to send PostScript error information with every document that you print.

### 2. Tray Switching

For uninterrupted printing, this setting allows automatic tray switching to another tray with same paper size, when the paper runs out of selected tray.

## Mac OS X

### **Printer Features Menu**

### Output Tab:

Printer:	Panasonic DP-6030 PS 🛟
Saved Settings:	Standard 🗘
Printer Features	
Output	Quality Miscellaneous
1 Finisher Bin Bin 1	
2 Sort Sort	
3 Staple None	÷
④ Punch None	•
م	Preview Cancel Print

### 1. Finisher Bin/Output Tray (For DP-2330/3030/3530/4530/6030 only)

Specifies which output bin to use for your printed document. Some printer models have more than one output bin you can use for sorting your documents.

### 2. Sort

Select whether to Stack or Sort when printing multiple copies.

**Note:** Paper must be loaded into the machine in both directions when using the Rotate Stack and Rotate Sort functions (i.e. Letter and Letter-R, A4 and A4-R).

### 3. Staple

Select the staple position. Available if the optional Finisher (DA-FS300, FS330, FS355, FS600 or FS605) is installed.

### 4. Punch (For DP-3530/4530/6030 only)

Select the punch position. Available if the optional Punch Unit is installed.

## Mac OS X

### Quality Tab:

Printer: Panasonic DP-190P8 Presets: Standard Printer Features Output Quality Miscellaneous (1) Media Type Plain Paper 2) Resolution 600x600dpi 3) Toner Save	0	Untitled		
Presets: Standard Printer Features Output Quality Miscellaneous (1) Media Type Plain Paper (2) Resolution 600x600dpi (3) Toner Save	Printer	r: Panasonic DP-190PS	\$	
Printer Features Output Quality Miscellaneous (1) Media Type Plain Paper + (2) Resolution 600x600dpi + (3) Toner Save	Presets	s: Standard	+	
1 Media Type       Plain Paper         2 Resolution       600x600dpi         3 Toner Save	Printer Feature	S Output Quality Miscellanec	us	
	<ol> <li>Media Type</li> <li>Resolution</li> <li>Toner Sa</li> </ol>	Plain Paper + 600x600dpi + ave		

### 1. Media Type

Select the paper type.

Note: If selecting other than Plain Paper for the Media Type, the printer driver will select the Bypass Tray if Auto Select was selected as the All pages from: within the Paper Feed Menu (see page 104).

#### 2. Resolution

Select the resolution you want for printing (300/600/1200dpi Enhanced).

### 3. Toner Save (For DP-180/190 only)

This setting saves toner by reducing its consumption, and it is cost-effective when printing many draft copies prior to the final document.

## Mac OS X

### Miscellaneous Tab: (DP-180/190/1520P/1820P/1820E)

Untitled Printer: Panasonic DP-1820E PS Presets: Standard Printer Features Output Quality Miscellaneous Secure None Secure None Front Cover None Front Cover None	Printer: Panasonic DP-1820E PS Presets: Standard Printer Features Feature Sets: Miscellaneous Secure: None Print Blank Pages Front Cover: None None None Secure Sets: Standard Printer Feature Sets: Standard Secure Sets: Stand
Back Cover None ;	Back Cover: None     Preview Save As PDF     Cancel Prin

#### 1. Secure

Select Mailbox or Secure Mailbox if storing the print data into the mailbox of the machine. Available if the optional Hard Disk Drive Unit (DA-HD18/HD19/HD30/HD60) is installed.

- Note: 1. The PS Driver Security Utility must be installed in order to use the user ID password.
  - 2. DA-HD18: For DP1520P/1820P/1820E; DA-HD19: For DP-180/190; DA-HD30: For DP-2330/3030; DA-HD60: For DP-3530/4530/6030.

### 2. Print Blank Pages

Select whether the blank pages are printed or not.

### 3. Front Cover Page

Select to insert a blank page as a Front Cover. Specify where the paper you want to use is located in the device. If you choose Auto Tray Selection, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

### 4. Back Cover Page

Select to insert a blank page as a Back Cover. Specify where the paper you want to use is located in the device. If you choose Auto Tray Selection, the printer driver will automatically select an appropriate tray according to the Paper Size selected.
## **Configuring the Printer Driver Settings (Macintosh)**

### Mac OS X

#### Miscellaneous Tab: (DP-2330/3030/3530/4530/6030)

Print	
	Printer: Panasonic DP-3030 PS
Printer: Panasonic DP-3030 PS	Presets: Standard
Presets: Standard	Printer Features
Printer Features	
Output Quality Miscellaneous	Feature Sets: Miscellaneous
	1) Secure: None
	2 Print Blank Pages
2) ▼ Print Blank Pages	
3)Front Cover Page None	G Front Cover Page: None
Back Cover Page None	4 Back Cover Page: None
E V Duplex Notice	5 Duplex Notice: Off
5)	

#### 1. Secure

Select the Mailbox or Secure Mailbox if storing the print data into the mailbox of the machine. Available if the optional Hard Disk Drive Unit (DA-HD30/HD60) is installed.

Note: The PS Driver Security Utility must be installed in order to use the user ID password.

#### 2. Print Blank Pages

Select whether the blank pages are printed or not.

#### 3. Front Cover Page

Set to insert a blank page as the Front Cover. Specify where the paper you want to use is located in the device. If you choose Auto Tray Selection, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

#### 4. Back Cover Page

Set to insert a blank page as the Back Cover. Specify where the paper you want to use is located in the device. If you choose Auto Tray Selection, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

#### 5. Duplex Notice (For DP-2330/3030 only)

Check whether "2-Sided Print" is printed on the footer of 1st page when printing with 2-Sided Page Style.

Select the binding side (Long Edge/Short Edge) if using on Mac OS X 10.2/10.3.

## **Configuring the Printer Driver Settings (Macintosh)**

Mac OS X

#### Summary Menu

Presets: Standard 🗧
Summary 🗧
Copies & Pages Copies: 1, Collated Page Range: All Layout Layout Direction: Left-Right-Top-Bottom Pages Per Sheet: 1 Border Thickness: None Output Options Print to: Printer Duplex Print on Both Sides: Off Paper Feed

Functions and settings of the printer are displayed.

# **Configuring the PS Driver Security Utility**

### Windows 98/Me/NT/2000/XP/Server 2003

Selecting **Panasonic**  $\rightarrow$  **PS Printer Driver**  $\rightarrow$  **PS Driver Security Utility** from Programs on the Start menu.

🛐 PS Driver Securi	ity Utility	×
P <u>r</u> inter	Panasonic DP-1820E PS	]
<u>U</u> ser ID		
<u>P</u> assword		
Department Code		
Local Host IP Addr	ress 133.185.254.32	]
0	OK Cancel	

#### Printer

Select the printer.

• User ID

Input the user ID (8-digit number maximum) to be used for Mailbox or Secure Mailbox.

#### Password

Input the password (4-digit number) to be used for Secure Mailbox.

#### Department Code

Input the department code (8-digit number maximum) to be used by the accounting manager.

#### Local Host IP Address

Displays the IP address where notification of completion is to be sent.

٠OK

Stores the input values and closes the utility.

#### Cancel

Cancels the input values and closes the utility.



- 1. The department code must be input for customers for which charge management is to be performed using an accounting management application.
- 2. <For Windows 98/Windows Me users> When the setup is completed, a message is displayed prompting you to restart your PC. Click
  - the OK button to restart your PC.

After rebooting your PC, re-configure the Device Options Tab settings (see page 61) because the default settings are restored.

## **Configuring the PS Driver Security Utility**

### Mac OS 8.6/9.x/X

If you are using Mac OS X, use the PS Driver Security Utility to change the setting before adding the printer. If you have already added the printer, delete it, change the setting using the PS Driver Security Utility, then add the printer.

[	PS Driver Security Utility				
	Printer User ID Password Department Code	Panasonic DP-1820E PS	+		

Printer

Select the printer.

• User ID

Input the user ID (8-digit number maximum) to be used for Mailbox or Secure Mailbox.

Password

Input the password (4-digit number) to be used for Secure Mailbox.

#### Department Code

Input the department code (8-digit number maximum) to be used by the accounting manager.

٠OK

Stores the input values and closes the utility.

Cancel

Cancels the input values and closes the utility.



1. The department code must be input for customers for which charge management is to be performed using an accounting management application.

If the printer driver is installed properly and a printer is selected as the default printer in the printer setup, printing can be accomplished from any Windows application with simple operations.

Printing from most Windows applications, select **File** menu > **Print**, the Print dialog box appears.



#### • Printing

After selecting the page range to be printed and the number of copies, click the OK button to start printing.

While documents are being printed, a printer icon appears in the System Tray near the clock on the bottom right hand corner of the screen. The icon disappears when printing is completed.

You may double-click on the printer indicator in the System Tray to open and verify the details of the print queue in the spooler.

#### User Settings

In the Print dialog box, click the Properties... button (upper-right corner), the printer properties window appears.

The appropriate operating system shows different properties in the window.



- 1. Follow the steps below to set a default printer:
  - a) Click the **Start** button and select **Printers** in the **Settings** menu or **Printers Fases** for Windows XP/Windows Server 2003.
  - b) Select the printer icon in the window and select **[Set As Default]** in popup menu by rightclicking it. Then the check mark is displayed.

### Windows 98/Windows Me

#### Paper Tab



Refer to "Configuring the Printer Driver Settings" for details on settings (see page 57).

### Windows NT 4.0 (User)

#### Page Setup Tab

Panasonic DP-1820E PS. Default Document Properties	
Page Setup Advanced	
1 Paper Size: Letter	
2 Paper Source: Automatically Select	
3 Copy Count T Copy 4 1 Collate Copies	
5 Drientation	
A C Landscape V C Rotated	
6 Print on <u>B</u> oth Sides (Duplex Printing)	
A O None A C Long Side A C Short Side	
C Monochrome Color	
OK Cancel	

#### 1. Paper Size

Select a document size.

#### 2. Paper Source

Specify where the paper you want to use is located in the device. If you choose **Automatically Select**, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

Note: 1. If no paper size match is found, the printer drive will select the Tray 1. (DP-180/190)
2. If no paper size match is found, the printer drive will select the Bypass Tray. (DP-1520P/1820P/1820E/2330/3030/3530/4530/6030)

#### 3. Copy Count

Specify the number of copies to be printed.

#### 4. Collate Copies

Select if you wish each set of multiple copies collated when you print them. Otherwise, each page is printed in individual groups.

#### 5. Orientation

Select the print orientation (Portrait/Landscape/Rotated). (The Rotated output is the same as that of Landscape.)

6. Print on Both Sides (Duplex Printing) (For DP-180/190/1820E/2330/3030/3530/4530/6030 only) Specify whether and how the printer should print the document on both sides of the paper.

#### 7. Color Appearance

This feature is not available on these machines.

## Windows NT 4.0 (User)

#### Advanced Tab

Г

	The Designed Options
Adober's Panasonic DP-190P's Document Settings	Advanced Printing Features: (Disabled)
Paper Size: <l etters<="" td=""><td>Rege Layout (N-up) Option: <normal (one-up)=""></normal></td></l>	Rege Layout (N-up) Option: <normal (one-up)=""></normal>
	PostScript Options
Paper Source: <automatically select=""></automatically>	A De
Media: <plain paper=""></plain>	Sort: < Sort>
D Copy Count: <1 Copy>	Toner Save: <off></off>
Print on Both Sides (Duplex Printing): <none></none>	🏠 Secure: <none></none>
🖶 📊 Graphic	
Resolution: <600x600dpi>	- Front Cover: <none></none>
Color Appearance: <color></color>	Back Cover: <none></none>
Change 'Paper Size' Setting	Change 'Sort' Setting
FLS1 8x13	
FLS2 8.5x13	
	Non Sort
🗐 Legal 🔤 🔤	
E Letter	

#### 1. Printer Features

#### • Sort

Select whether to Stack or Sort when printing multiple copies.

**Note:** Paper must be loaded into the machine in both directions when using the Rotate Stack and Rotate Sort functions (i.e. Letter and Letter-R, A4 and A4-R).

#### Toner Save (For DP-180/190 only)

This setting saves toner by reducing its consumption, and it is cost-effective when printing many draft copies prior to the final document.

#### Secure

Select Mailbox or Secure Mailbox if storing the print data into the mailbox of the machine. Available if the optional Hard Disk Drive Unit (DA-HD18/HD19/HD30/HD60) is installed.

Note: 1. The PS Driver Security Utility must be installed in order to use the user ID password.

- 2. DA-HD18: For DP1520P/1820P/1820E; DA-HD19: For DP-180/190;
  - DA-HD30: For DP-2330/3030; DA-HD60: For DP-3530/4530/6030.

#### Print Blank Pages

Select whether the blank pages are printed or not.

#### • Tray Switching (For DP-2330/3030/3530/4530/6030 only)

For uninterrupted printing, this setting allows automatic tray switching to another tray with same paper size, when the paper runs out of selected tray.

#### Front Cover Page

Select to insert a blank page as a Front Cover. Specify where the paper you want to use is located in the device. If you choose Auto Tray Selection, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

#### Back Cover Page

Select to insert a blank page as a Back Cover. Specify where the paper you want to use is located in the device. If you choose Auto Tray Selection, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

## Windows 2000/Windows XP/Windows Server 2003 (User)

#### Layout Tab

Panasonic DP-1820E PS Printing Preferences Layout Paper/Quality	<u>? ×</u>
Orientation     C Portrait     C Landscape     C Rotated Landscape	
Print on Both Sides(Duplex)       © None       © Flip on Long Edge       © Flip on Shott Edge	
Page Order     Fight to Back     C Back to Front	
Advanced	ed

#### 1. Orientation

Select the print orientation (Portrait/Landscape/Rotated). (The Rotated output is the same as that of Landscape.)

2. Print on Both Sides (Duplex) (DP-180/190/1820E/2330/3030/3530/4530/6030 only) Specify whether and how the printer should print the document on both sides of the paper.

#### 3. Page Order

Specify page order when printing multiple pages.

#### 4. Pages Per Sheet

Specify the number for printing multiple documents on a single sheet of paper.

#### 5. Advanced... button

Specifies advanced printer settings and options. Refer to "Windows 2000/Windows XP/Windows Server 2003 (Administrator)" (See page 84).

### Windows 2000/Windows XP/Windows Server 2003 (User)

#### Paper/Quality Tab (DP-180/190/1520P/1820P/1820E)

Layout Paper/Quality	
Paper Source:     Automatically Select	
(3) Advanced	
OK Cancel Apply	

#### 1. Paper Source

Specify where the paper you want to use is located in the device. If you choose **Automatically Select**, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

Note: 1. If no paper size match is found, the printer drive will select the Tray 1. (DP-180/190)
2. If no paper size match is found, the printer drive will select the Bypass Tray. (DP-1520P/ 1820P/1820E)

#### 2. Media

Select the paper type.

Note: If selecting other than Plain Paper for the Paper Source, the printer driver will select the Bypass Tray if Automatically Select was selected as the Paper source within the Paper/ Quality Tab.

### Windows 2000/Windows XP/Windows Server 2003 (User)

3. Advanced... button

Specifies advanced printer settings and options.

Adob	ePS Panasonic DP-190PS Advanced Options	? ×
-3	AdebaDS Deparatio DD 100DS Advanced Decimant Settings	
8 <b>9</b> 8	Adobers Panasonic DP-190PS Advanced Document Settings	
-		
	Paper Size: Letter	
	Copy Count: <u>1 Copy</u>	
ė.	h Graphic	
	Print Quality: <u>600x600dpi</u>	
	Scaling: <u>100 %</u>	
	TrueType Font: Substitute with Device Font	
÷	🐌 Document Options	
	Advanced Printing Features: Enabled	
	🗄 🚀 PostScript Options	
	🗄 🚀 Printer Features	
	Sort: <u>Sort</u>	
	Toner Save: <u>Off</u>	
	Secure: None	
	Print Blank Pages: <u>On</u>	
	Front Cover: <u>None</u>	
	Back Cover: None	
ĺ.		
	OK Ca	ncel

<Printer Features>

Sort

Select whether to Stack or Sort when printing multiple copies.

**Note:** Paper must be loaded into the machine in both directions when using the Rotate Stack and Rotate Sort functions (i.e. Letter and Letter-R, A4 and A4-R).

#### Toner Save (For DP-180/190 only)

This setting saves toner by reducing its consumption, and it is cost-effective when printing many draft copies prior to the final document.

#### Secure

Select Mailbox or Secure Mailbox if storing the print data into the mailbox of the machine. Available if the optional Hard Disk Drive Unit (DA-HD18/HD19/HD30/HD60) is installed.

Note: 1. The PS Driver Security Utility must be installed in order to use the user ID password.

 DA-HD18: For DP1520P/1820P/1820E; DA-HD19: For DP-180/190; DA-HD30: For DP-2330/3030; DA-HD60: For DP-3530/4530/6030.

#### Print Blank Pages

Select whether the blank pages are printed or not.

#### • Tray Switching (For DP-2330/3030/3530/4530/6030 only)

For uninterrupted printing, this setting allows automatic tray switching to another tray with same paper size, when the paper runs out of selected tray.

#### Front Cover Page

Select to insert a blank page as a Front Cover. Specify where the paper you want to use is located in the device. If you choose Auto Tray Selection, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

#### Back Cover Page

Select to insert a blank page as a Back Cover. Specify where the paper you want to use is located in the device. If you choose Auto Tray Selection, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

## Windows 2000/Windows XP/Windows Server 2003 (User)

#### Paper/Quality Tab (DP-2330/3030/3530/4530/6030)

📽 Danasonic DB 602005 Document Reportion 2 🔽	
Lavout Paper/Quality	
Tray Selection       1       Paper Source:       2       Media:   Plain	
3 Advanced	

#### 1. Paper Source

Specify where the paper you want to use is located in the device. If you choose **Automatically Select**, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

#### 2. Media

3.

Select the paper type.

#### Advanced... button

Specifies advanced printer settings and options.

AdobePS Panasonic DP-6030PS Advanced Options	? ×
Copy Count: 1 Copy	
Print Quality: <u>600x600dpi</u>	
Scaling: <u>100 %</u>	
TrueType Font: Substitute with Device Font	
🗄 🖡 🚺 Document Options	
Advanced Printing Features: Enabled	
🕀 🙀 PostScript Options	
🖻 🐔 Printer Features	
Output Tray: Auto Selection	
Sort: Sort	
Staple: <u>None</u>	
Secure: None	
Print Blank Pages: <u>On</u>	
Tray Switching: <u>On</u>	
Front Cover Page: None	
Back Cover Page: None	
Duplex Notice: Off	<b>_</b>
OK	Cancel

### Windows 2000/Windows XP/Windows Server 2003 (User)

#### <Printer Features>

#### Output Tray

Specifies which output bin to use for your printed document. Some printer models have more than one output bin you can use for sorting your documents.

• Sort

Select whether to Stack or Sort when printing multiple copies.

#### Staple

Select the staple position. Available if the optional Finisher (DA-FS300, FS330, FS355, FS600 or FS605) is installed.

#### • Secure

Select the Mailbox or Secure Mailbox if storing the print data into the mailbox of the machine. Available if the optional Hard Disk Drive Unit (DA-HD30/HD60) is installed. **Note:** The PS Driver Security Utility must be installed in order to use the user ID password.

#### Print Blank Pages

Select whether the blank pages are printed or not.

#### Tray Switching

Allow the paper to be fed continuously if the same size of paper is loaded in another paper tray (Auto Tray Switching). If not selected, the machine will stop if paper runs out in the chosen paper tray.

#### Front Cover Page

Set to insert a blank page as the Front Cover. Specify where the paper you want to use is located in the device. If you choose Auto Tray Selection, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

#### Back Cover Page

Set to insert a blank page as the Back Cover. Specify where the paper you want to use is located in the device. If you choose Auto Tray Selection, the printer driver will automatically select an appropriate tray according to the Paper Size selected.

#### Duplex Notice (For DP-2330/3030 only)

Check whether "2-Sided Print" is printed on the footer of 1st page when printing with 2-Sided Page Style.

# **Printing from Macintosh Applications**

If the printer driver is installed properly, printing can be accomplished from any Macintosh application with simple operations.

Printing from most Macintosh applications, select **File** menu > **Print**, the Print dialog box appears.

Printer: Panasonic DP-1820E PS 😫	8.8.0 (301) Destination: Printer ♦
General 🗢	
Copies: 1	🗌 Reverse Order
Pages: 🖲 All	
🔾 From: 🔤 To:	
Paper Source: 🖲 All pages from:	Auto Select 🗢
First page from:	Tray 1 😫
Remaining from:	Tray 1 💠
Save Settings	Cancel Print

#### Printing

After selecting the page range to be printed and the number of copies, click the Print button to start printing.

#### Printer Settings

In print window, you will see a number of titles in the pop-up menu. Refer to "Configuring the Printer Driver Settings" for printer settings (See page 88).

# **Printing on Network**

For sharing a printer by connecting two computers via a crossover cable or using a hub, a connection among computers must be established.

Establishing a connection among computers can be verified by displaying the connected computers in Network Neighborhood on the desktop.

The settings for printer sharing are specified by performing the following steps:

#### Printer server (PC connected to a printer)

1	
2	

Install the printer driver on the computer to be connected to the machine.

Click the **Start** button, select **Settings**, and then click **Printers**.



Right-click on the desired printer icon and select **[Sharing...]** in the popup menu.



5

Select Shared As in the properties dialog box.

Click the OK button.

Upon completion of the setting, the shape of the icon changes indicating that the printer is shared.



- 1. Refer to the manual for the network card and Windows users' guide for connections among computers.
- 2. On Windows 98/Windows Me, a computer connected to a printer must be set up to allow printer sharing by performing the following operations:
  - a) Double-click on **Network** in control panel, and then click File and Print Sharing... button in the **Network Configuration** tab.
  - b) Check [I want to be able to allow others to print to my printer(s).] in the File and Print Sharing dialog box.

### **Printing on Network**

Remote (PC that uses another computer's printer)



Click the **Start** button, select **Settings**, and then click **Printers**.

Double-click **Add Printer** in the printers folder. Add Printer Wizard appears.

Click the Next button.



Select Network Printer. Click the Next button.

Δ

Specify the other computer's printer by entering the network path.

Then, complete the installation following instructions of the Add Printer Wizard.

The operations above enables output from the remote computer to a printer connected to the printer server.

### **General Description**

Prints documents from a machine located in a remote area via the Internet without its access being blocked by a proxy server. This feature is only available on the Windows 2000, Windows XP or Windows Server 2003.

#### **Compatible Models**

- DP-1520P/1820P/1820E with PCL Printer Module (DA-PC180) or PS Printer Module (DA-MC180)
- DP-180/190 with PCL Printer Module (DA-PC188) or PS Printer Module (DA-MC188)
- DP-2310/3010 with PCL Printer Module (DA-PC300) or PS Printer Module (DA-MC300)
- DP-2330/3030 with PCL Printer Module (DA-PC301) or PS Printer Module (DA-MC301)
- DP-3510/3520/4510/4520/6010/6020 with PCL Printer Module (DA-PC600/PC601) or PS Printer Module (DA-MC600/601)
- DP-3530/4530/6030 with PCL Printer Module (DA-PC602) or PS Printer Module (DA-MC602)
- UF-9000 with PCL Printer Module (DA-PC190) or PS Printer Module (DA-MC190)



### **Setting the IPP Printing**

1



Verify whether your PC is connected to the Internet or to the Intranet.

Open the Add Printer Wizard.

#### Select the Network printer and click the



## **Internet Printing Protocol (IPP) Printing**

Setting the IPP Printing

Add Printer Wizard  Locate Your Printer How do you want to locate your printer?	Select <b>Connect to a printer on the Internet or on</b> <b>your Intranet</b> and type the IP address of the remote
If you don't know the name of the printer, you can browse for one on the network.	machine and <b>/printer</b> in the URL window. (e.g. http://10.74.229.176/printer)
Type the printer name, or click Next to browse for a printer     Name:     Or _Connect to a printer on the Internet or on your intranet     URL: http://10.74.229.176/printer	Click the <u>Next</u> button.
< <u>B</u> ack <u>N</u> ext> Cancel	
Connect to Printer X  The server on which the Planasonic DP-1800E PCL6 printer resides does not have the correct printer driver installed. If you want to install the driver on your local computer, dick OK.  Cancel  CK Cancel	<b>Windows 2000 only&gt;</b> Click the OK button if this message is shown.
	If not, skip to Step 11.
Add Printer Wizard  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.	<ol> <li>Insert the CD-ROM included with the Option.</li> <li>Click the Have Disk button.</li> </ol>
Manufacturers: Printers: Agfa Alps Apps Apple AGFA-AccuSet v52.3 AGFA-AccuSet 8005 AGFA-AccuSet 8005F v52.3 AGFA-AccuSet 8005F v52.3 AGFA-AccuSet 8005F v52.3 AGFA-AccuSet 8005F v52.3 AGFA-AccuSet 1000 AGFA-AccuSet 10005F v52.3 T Have Disk	
Cancel Cancel	
Install From Disk	The <b>Install From Disk</b> dialogue box appears. Click the Browse
Copy manufacturer's files from:	D:\English\PCL\Driver\WinXP-2K-2003 (where "D" is your CD-ROM drive).
Locate File	Select the remote machine.
Image: State of the state o	Click the Open button.

## **Internet Printing Protocol (IPP) Printing**

Se	tting the IPP Printing	
8	Install From Disk Inset the manufacturer's installation disk into the drive Selected, and then click OK. Cancel	Click the OK button.
	Copy manufacturer's files from: D.\English\PCL\Driver\WinXP-2K-2003	
Q	Add Printer Wizard	Select the remote machine.
5	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.	Click the OK button.
	Printers: Panasonic DP-1520P PCL6 Panasonic DP-1820P PCL6 Panasonic DP-1820E PCL6  Have Disk  OK Cancel	
40		<windows 2000=""></windows>
10	Digital Signature Not Found       Image: Comparison of the software has been tested with Windows and that the software has been tested with Windows and that the software has not been altered since it was tested.         The Microsoft digital signature affirms that software has been tested with Windows and that the software has not been altered since it was tested.         The software you are about to install does not contain a Microsoft digital signature. Therefore, there is no guarantee that this software works correctly with Windows.         Pinters         If you want to search for Microsoft digitally signed software, visit the Windows Update Web site at http://windowsupdate.microsoft.com to see if one is available.         Do you want to continue the installation?         Yes       No         More Info	Click the Yes button.
	Hardware Installation	<windows 2003="" server="" windows="" xp=""></windows>
	The software you are installing for this hardware: Printers has not passed Windows Logo testing to verify its compatibility with Windows XP. (Tell me why this testing is important.) Continuing your installation of this software may impair or destabilize the correct operation of your system either immediately or in the future. Microsoft strongly recommends that you stop this installation now and contact the hardware vendor for software that has passed Windows Logo testing.	Click the Continue Anyway button.
	Continue Anyway STOP Installation	

## **Internet Printing Protocol (IPP) Printing**



The IPP Printer Driver has been installed, and the Printer icon has been added to the Printer folder.

If you wish to use your machine as a printer on the NetWare environment, install the set-up utility fist using the Custom installation menu for the Panasonic Document Management System.

#### **Compatible Models**

- DP-2330/3030 with IPX/SPX Printer Module (DA-GC601, PC301, MC301)
- DP-3530/4530/6030 with IPX/SPX Printer Module (DA-GC601, PC602, MC602) Note: DA-GC601 is not available in the USA and Canada.

Select Panasonic — Panasonic Document Management System — IPX-SPX Setup Wizard from Programs on the Start menu to activate the utility. To configure your PC for the NetWare environment, follow the procedure below:



The machine(s) that are available on the NetWare environment are shown on the list.

Select the desired machine and click the

Next button.



3

2



Make sure that the **Do not use NetWare** is not selected.

Select the desired **NetWare mode** and click



1. NDS print server

- 2. Bindery print server
- 3. Remote printer

Select the Frame type and click the

Next button.
1. Automatic
2. IEEE 802.2
3. IEEE 802.3
4. ETHERNET II
5. IEEE SNAP



#### <For NDS print server>

Set the Tree, Context, Print server name, Printer server password and Print port name for the NDS Printer Server and click the

Next button.

**Note:** Logon to the NetWare using an account with administrator rights.

#### Enter the Print queue name and click the

Next button.

Enter the Queue volume and click the

Next button.



6	Data transmission	Click the OK button to apply the
•	Transmit device settings.	settings.
7	Completion X	Click the Finish button.
	Transmission of the device settings has completed         Click the "Finish" button and reset power to the device	
	Finish Cancel Help	

## Available Paper Type and Paper Size

#### ■ DP-1520P/1820P/1820E

Paper Type	Paper Size	Print from Paper Tray	Print from Sheet Bypass	Print from Optional Paper Trays	Print by 2-Sided Print Mode
Plain Paper	Ledger	Yes	Yes	Yes	Yes
	Letter	Yes	Yes	Yes	Yes
	Legal	Yes	Yes	Yes	Yes
	Invoice	Yes	Yes	Yes	Yes
	FLS1	Yes	Yes	Yes	Yes
	FLS2	Yes	Yes	Yes	Yes
	A3	Yes	Yes	Yes	Yes
	B4	Yes	Yes	Yes	Yes
	A4	Yes	Yes	Yes	Yes
	B5	Yes	Yes	Yes	Yes
	A5	Yes	Yes	Yes	Yes
Transparency	Letter	No	Yes	No	No
	A4	No	Yes	No	No
Label	Letter	No	Yes	No	No
	A4	No	Yes	No	No
Envelope	#9	No	No	No	No
	#10	No	Yes	No	No
	Monarch	No	No	No	No
	DL	No	Yes	No	No
	C5	No	No	No	No

## Available Paper Type and Paper Size

DP-180/190

Paper Type	Paper Size	Print from Paper Tray	Print from Sheet Bypass	Print from 2nd Paper Tray (Optional)	Print by 2-Sided Print Mode
Plain Paper	Letter	Yes	Yes	Yes	Yes
	Legal	Yes	Yes	Yes	Yes
	Invoice	No	Yes	No	No
	FLS1	No	Yes	No	No
	FLS2	No	Yes	No	No
	A4	Yes	Yes	Yes	Yes
	B5	Yes *1	Yes	Yes *1	Yes *1
	A5	Yes *1	Yes	No	No
Thick Paper	Letter	No	Yes	No	No
	Legal	No	Yes	No	No
	Invoice	No	Yes	No	No
	FLS1	No	Yes	No	No
	FLS2	No	Yes	No	No
	A4	No	Yes	No	No
	B5	No	Yes	No	No
	A5	No	Yes	No	No
Cotton Paper	Letter	Yes	Yes	No	No
	Legal	Yes	Yes	No	No
	Invoice	No	Yes	No	No
	FLS1	No	Yes	No	No
	FLS2	No	Yes	No	No
	A4	Yes	Yes	No	No
	B5	Yes *1	Yes	No	No
	A5	Yes *1	Yes	No	No
Transparency	Letter	Yes	Yes	No	No
	A4	Yes	Yes	No	No
Label	Letter	No	Yes	No	No
	A4	No	Yes	No	No
Envelope	#9	No	Yes	No	No
	#10	No	Yes	No	No
	Monarch	No	Yes	No	No
	DL	No	Yes	No	No
	C5	No	Yes	No	No

\*1: For DP-180 only

## Available Paper Type and Paper Size

#### DP-2330/3030

Paper Type	Paper Size	Print from Paper Tray	Print from Sheet Bypass	Print from Optional Bapor Trave	Print with 2-Sided Print
Diaia Danan	Ladaan	No	No. a		Wode
Plain Paper	Leager	Yes	Yes	Yes	res
	Letter	Yes	Yes	Yes	Yes
	Legal	Yes	Yes	Yes	Yes
	Invoice	Yes	Yes	Yes	Yes
	FLS1	Yes	Yes	Yes	Yes
	FLS2	Yes	Yes	Yes	Yes
	A3	Yes	Yes	Yes	Yes
	B4	Yes	Yes	Yes	Yes
	A4	Yes	Yes	Yes	Yes
	B5	Yes	Yes	Yes	Yes
	A5	Yes	Yes	Yes	Yes
Thick Paper	Ledger	No	Yes	No	No
	Letter	No	Yes	No	No
	Legal	No	Yes	No	No
	Invoice	No	Yes	No	No
	FLS1	No	Yes	No	No
	FLS2	No	Yes	No	No
	A3	No	Yes	No	No
	B4	No	Yes	No	No
	A4	No	Yes	No	No
	B5	No	Yes	No	No
	A5	No	Yes	No	No
Transparency	Letter	No	Yes	No	No
	A4	No	Yes	No	No
Label	Letter	No	Yes	No	No
	A4	No	Yes	No	No

## Available Paper Type and Paper Size

#### DP-3530/4530/6030

Paper Type	Paper Size	Print from Paper Tray	Print from Sheet Bypass	Print from Optional Paper Trays	Print with 2-Sided Print Mode
Plain Paper	Ledger	No	Yes	Yes	Yes
	Letter	Yes	Yes	Yes	Yes
	Legal	No	Yes	Yes	Yes
	Invoice	No	Yes	Yes	Yes
	FLS1	No	Yes	Yes	Yes
	FLS2	No	Yes	Yes	Yes
	A3	No	Yes	Yes	Yes
	B4	No	Yes	Yes	Yes
	A4	Yes	Yes	Yes	Yes
	B5	No	Yes	Yes	Yes
	A5	No	Yes	Yes	Yes
Thick Paper	Ledger	No	Yes	No	No
	Letter	No	Yes	No	No
	Legal	No	Yes	No	No
	Invoice	No	Yes	No	No
	FLS1	No	Yes	No	No
	FLS2	No	Yes	No	No
	A3	No	Yes	No	No
	B4	No	Yes	No	No
	A4	No	Yes	No	No
	B5	No	Yes	No	No
	A5	No	Yes	No	No
Transparency	Letter	No	Yes	No	No
	A4	No	Yes	No	No
Label	Letter	No	Yes	No	No
	A4	No	Yes	No	No

## Available Paper Weight and Capacity

#### ■ DP-1520P/1820P/1820E

	Paper Type	Print from Paper Tray	Print from Sheet Bypass	Print from Optional Paper Trays	Print with 2-Sided Print Mode
Paper Weights	Plain Paper	16 –24 lb (60 – 90 g/m <sup>2</sup> )	15 –34 lb (55 – 133 g/m <sup>2</sup> )	16 –24 lb (60 – 90 g/m <sup>2</sup> )	17 –24 lb (64 – 90 g/m <sup>2</sup> )
Paper Capacity	Plain Paper 20 lb (75 g/m <sup>2</sup> )	550 sheets	50 sheets	550 sheets	550 sheets
	Transparency	No	10 sheets	No	No
	Label	No	10 sheets	No	No
	Envelope	No	5 sheets	No	No

#### ■ DP-180/190

	Paper Type	Print from Paper Tray	Print from Sheet Bypass	Print from 2nd Paper Tray (Optional)
Paper Weights	Plain Paper	16 –28 lb (60 –105 g/m <sup>2</sup> )	16 –28 lb (60 –105 g/m <sup>2</sup> )	16 –28 lb (60 –105 g/m <sup>2</sup> )
	Thick Paper	No	29 –44 lb (106 –165 g/m <sup>2</sup> )	No
	Envelope	No	24 lb (90 g/m <sup>2</sup> )	No
Paper Capacity	Plain Paper 20 lb (75 g/m <sup>2</sup> )	250 sheets	1 sheet	550 sheets
	Transparency	20 sheets	1 sheet	No
	Label	No	1 sheet	No
	Envelope	No	1 sheet	No

## Available Paper Weight and Capacity

DP-2330/3030

	Paper Type	Print from Paper Tray	Print from Sheet Bypass	Print from Optional Paper Trays	Print with 2-Sided Print Mode
Paper Weights	Plain Paper	16 –24 lbs. (60 – 90 g/m²)	15 –24 lbs. (55 – 90 g/m²)	16 –24 lbs. (60 – 90 g/m²)	17 –24 lbs. (64 – 90 g/m²)
	Thick Paper	No	15 –34 lbs. (55 – 130 g/m <sup>2</sup> )	No	No
Paper Capacity	Plain Paper 20lbs (75 g/m <sup>2</sup> )	550 sheets	50 sheets	550 sheets	
	Transparency	No	10 sheets	No	No
	Label	No	10 sheets	No	No
	Envelope	No	No	No	No

#### DP-3530/4530/6030

	Paper Type	Print from Paper Tray	Print from Sheet Bypass	Print from Optional Paper Trays	Print with 2-Sided Print Mode
Paper Weights	Plain Paper	16 –24 lbs. (60 – 90 g/m²)	15 –24 lbs. (55 – 90 g/m <sup>2</sup> )	16 –24 lbs. (60 – 90 g/m²)	17 –24 lbs. (64 – 90 g/m <sup>2</sup> )
	Thick Paper	No	15 –35 lbs. (55 – 133 g/m²)	No	No
Paper Capacity	Plain Paper 20lbs (75 g/m <sup>2</sup> )	1550+550 sheets	50 sheets	550 sheets	
	Transparency	No	10 sheets	No	No
	Label	No	10 sheets	No	No
	Envelope	No	No	No	No

### **Transparencies and Labels**

You may also print on high quality labels and transparencies that are made specifically for Laser printers. We recommend using the following types.

Paper Type	Paper Size	Recommended Type
Transparency	Letter/A4	3M PP2500 (For DP-1520P/1820P/1820E) 3M CG3300 (For DP-180/190) 3M PP2500 (For DP-2330/3030) 3M PP2500 (For DP-3530/4530/6030)
Label	Letter	Avery 5160 – 5163, Avery 5660 – 5663 (For DP-180/190)
	A4	Avery L7159 –L7164 (For DP-180/190)

• To avoid damaging the printer, do not use transparencies made for Inkjet printers.

• Do not use transparencies that have already been fed through the printer once.

Note: The labels must completely cover the backing material as shown below.



Labels cover the entire backing material

NO					

The backing material is exposed.

### Envelopes (For DP-180/190/1520P/1820P/1820E)

It is recommended that you purchase only high quality envelopes with diagonal seams as shown below.



High quality envelopes have the following characteristics:

- A thin, sharply creased leading edge.
- Paper weight of 24 lb (90 g/m<sup>2</sup>).
- Flat, free of curls, wrinkles, nicks, etc.

It is not recommended that you use envelopes with any of the following characteristics (using these may result in paper jams or print quality problems).

- Irregularly shaped envelopes
- · Envelopes with curls, wrinkles, nicks, twists, dog-ears or other damage
- Envelopes with side seam construction
- · Highly textured envelopes, or with extremely shiny surfaces
- Envelopes that seal by removing a peel-off strip
- Envelopes with more than one flap to be sealed
- Self-adhesive envelopes
- Envelopes that are baggy or not sharply creased
- Embossed envelopes
- · Envelopes that have previously been printed with a laser printer
- · Envelopes that have been previously printed inside



## Envelopes (For DP-180/190/1520P/1820P/1820E)

Do not attempt to print on any of the following types of envelopes. These may cause damage to your printer.

- Envelopes with clasps, snaps or tie strings (see Figure 1)
- Envelopes with transparent windows (see Figure 2)
- Envelopes that will melt, discolor, scorch, offset or release hazardous emissions when exposed to 200 °C (392 °F) for 0.1 second
- Envelopes that use encapsulated types of adhesive that do not require moistening but rely on pressure to seal them



Always test a sample of the envelopes you are thinking of buying. Confirm that the envelope performs acceptably.

#### For best printing results

- Avoid printing in high humidity.
   High humidity may cause the envelope to curl and pick up excess toner.
   High humidity may also cause the envelope to seal.
- Envelope storage is very important. Store them away from moisture and humid air, where they can lay flat and their edges will not be bent or damaged. The humidity should not exceed 70%RH.

## Loading the Envelopes (For DP-180/190/1520P/1820P/1820E)









opening on the shorter edge)

## **Printer Specifications**

Printing Speed	DP-1520P	:	15 sheets/minute (A4/I efter size plain paper, simplex printing)	
	DP-180		18 sheets/minute	
		•	(Δ4 size plain paper simpley printing)	
	DP-1820P/1820F		18 sheets/minute	
		•	(A//Letter size plain paper simpley printing)	
	DP-190	:	19 sheets/minute	
		-	(A4/I etter size plain paper simplex printing)	
	DP-2330	:	23 sheets/minute	
			(A4 size plain paper, simplex printing)	
	DP-3030	:	30 sheets/minute	
			(A4 size plain paper, simplex printing)	
	DP-3530	:	35 sheets/minute	
			(A4 size plain paper, simplex printing)	
	DP-4530	:	45 sheets/minute	
			(A4 size plain paper, simplex printing)	
	DP-6030	:	60 sheets/minute	
			(A4 size plain paper, simplex printing)	
Resolution (dots per inch)	300 x 300, 600 x 60	0, 12	200 (Equivalent) x 600	
Interface	USB 1.1 (Except for	r DP-	-3530/4530/6030)	
	Parallel Port (For D	P-35	30/4530/6030 only)	
	Ethernet (10Base-T	/100	Base-TX)	
Applicable OS	Windows 98 Windows Me Windows NT 4.0 (With Service Pack 3 or			
	later is required) Windows 2000 Windows XP Windows Server 2003			
	Macintosh OS 8.6-9	).2.2	(Adobe PS 8.8 or higher). OS X10. OS X10.1.	
	OS X10.2.1, OS X1	0.3	(	
Printer Working Memory	20MB (For DP-180/	190/	1520P/1820P/1820E only)	
	50101B (For DP-2330	0/303	30/3530/4530/6030 only)	

# Troubleshooting

### **Printing Operation Failure**

If the printing operation fails, check the following items first:

- The connection cable (Parallel Printer Cable or Ethernet LAN Cable) is properly connected.
- Power of the device is turned ON.
- Paper is loaded properly in the device.
- An error message is not displayed on the device.

The above points can be verified by printing a test page. Refer to the following pages for the procedures on test page printing:

Windows 98/Windows Me	[General Tab]	(See page 53)
Windows NT 4.0	[General Tab]	(See page 69)
Windows 2000/Windows XP/Windows Server 2003	[General Tab]	(See page 78)
## **Documents Not Printing Correctly**

Problem	Possible Cause / Solution(s)
Characters are not printed in the correct positions or the characters near the edges of the page are missing.	<ul> <li>Check and specify the paper size and orientation settings in the printer driver to coincide with the application.</li> <li>The characters are outside the printing area of the machine.</li> </ul>
Incorrect font type.	• Check whether the selected font is installed on the PC.
Printing stops in the middle of the run.	Check if there is a Network problem.
Although print data is transferred to your machine, it does not print.	<ul> <li>Make sure the printer is online.</li> <li>Make sure the machine is not in the Shutdown Mode. Press ENERGY SAVER key to return to standby mode. See the Operating Instructions for Copier &amp; Network Scanner for details.</li> <li>Make sure the USB printer cable is connected properly.</li> <li>Restore the power if the ON LINE LED is Off even if the USB printer cable is connected.</li> </ul>
Printing stops in the middle of the run.	Check whether there is a Network problem.

#### **Printing Area**

When printing to the device, there is a 0.2 inches (5.0 mm) non-printable margin on all 4 sides.



## Font Table

No.	Symbol Set
1	Albertus ‡
2	Albertus Italic ‡
3	Albertus Light ‡
4	AntiqueOlive Bold §
5	AntiqueOlive Compact §
6	AntiqueOlive Itallic §
7	AntiqueOlive Roman §
8	Apple Chancery ¤
9	Arial ‡
10	Arial Bold ‡
11	Arial Bold Italic ‡
12	Arial Italic ‡
13	ITC AvantGarde Gothic Book °
14	ITC AvantGarde Gothic Book Oblique °
15	ITC AvantGarde Gothic Demi °
16	ITC AvantGarde Demi Oblique °
17	Bodoni
18	Bodoni Bold
19	Bodoni Bold Italic
20	Bodoni Italic
21	Bodoni Poster
22	Bodoni Poster Compressed
23	ITC Bookman Demi °
24	ITC Bookman Demi Italic °
25	ITC Bookman Light °
26	ITC Bookman Light Italic °
27	Carta •
28	Chicago ¤
29	Clarendon †
30	Clarendon Bold †
31	Clarendon Light †
32	CooperBlack
33	CooperBlack Italic
34	Copperplate Gothic 33BC
35	Copperplate Gothic 32BC
36	Coronet ••
37	Courier
38	Courier Bold
39	Courier Bold Oblique
40	Courier Oblique

## Font Table

No.	Symbol Set
41	Eurostile **
42	Eurostile Bold **
43	Eurostile Bold Extended Two **
44	Eurostile Extended Two **
45	Geneva ¤
46	GillSans ‡
47	GillSans Bold ‡
48	GillSans Condensed Bold ‡
49	GillSans Bold Italic ‡
50	GillSans Condensed ‡
51	GillSans Extra Bold ‡
52	GillSans Italic ‡
53	GillSans Light ‡
54	GillSans Light Italic ‡
55	Goudy Oldstyle
56	Goudy Bold
57	Goudy Bold Italic
58	Goudy ExtraBold
59	Goudy Oldstyle Italic
60	Helvetica †
61	Helvetica Bold †
62	Helvetica Bold Oblique †
63	Helvetica Condensed †
64	Helvetica Condensed Bold †
65	Helvetica Condensed Bold Oblique †
66	Helvetica Condensed Oblique †
67	Helvetica Narrow †
68	Helvetica Narrow Bold †
69	Helvetica Narrow Bold Oblique †
70	Helvetica Narrow Oblique †
71	Helvetica Oblique †
72	HoeflerText Black ¤
73	HoeflerText Black Italic ¤
74	HoeflerText Italic ¤
75	HoeflerText Ornaments ¤
76	HoeflerText ¤
77	Joanna ‡
78	Joanna Bold ‡
79	Joanna Bold Italic ‡
80	Joanna Italic ‡
81	Letter Gothic

#### Font Table

No.	Symbol Set
82	Letter Gothic Bold
83	Letter Gothic Bold Slanted
84	Letter Gothic Slanted
85	ITC Lubalin Graph Book °
86	ITC Lubalin Graph Book Oblique °
87	ITC Lubalin Graph Demi °
88	ITC Lubalin Graph Demi Oblique °
89	Marigold °
90	ITC Mona Lisa Recut °
91	Monaco ¤
92	New Century Schoolbook Bold †
93	New Century Schoolbook Bold Italic †
94	New Century Schoolbook Italic †
95	New Century Schoolbook Roman †
96	NewYork ¤
97	Optima †
98	Optima Bold †
99	Optima Bold Italic †
100	Optima Italic †
101	Oxford °
102	Palatino Bold †
103	Palatino Bold Italic †
104	Palatino Italic †
105	Palatino Roman †
106	Stempel Grarmond Bold †
107	Stempel Grarmond Bold Italic †
108	Stempel Grarmond Italic †
109	Stempel Grarmond Roman †
110	ITC Symbol °
111	Tekton •
112	Times Bold †
113	Times Bold Italic †
114	Times Italic †
115	Times Roman †
116	Times New Roman ‡
117	Times New Roman Bold ‡
118	Times New Roman Bold Italic ‡
119	Times New Roman Italic ‡
120	Univers †
121	Univers Bold †
122	Univers Bold Oblique †

#### Font Table

No.	Symbol Set
123	Univers Oblique †
124	Univers Light †
125	Univers Light Oblique †
126	UniversCondensed †
127	UniversCondensed Bold †
128	UniversCondensed Bold Oblique †
129	UniversCondensed Oblique †
130	UniversExtended †
131	UniversExtended Bold †
132	UniversExtended Bold Oblique †
134	UniversExtended Oblique †
135	Wingdings
136	ITC ZapfChancery MediumItalic °
137	ITC ZapfDingbats °



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