Panasonic®

Digital Copier

Operating Instructions (For Printer, Document Management System and Class 2 Fax Modem)

DP-2000/2500/3000

Options (Available separately)

DA-AR250/AS200/DS200/DS205/DS210/DS215/ES200/FG230/FG231/FK200/FK210/FS200/MD200 DA-NE200/PC200/PC210/SM08B/SM16B/SM28B/UC200/XN200/XT200; UE-410047/410048/403171



English

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

Before Use



The DP-2000/2500/3000 copier complies with Tier 2 of the Environmental Protection Agency's Energy Star Program. This voluntary program specifies certain energy consumption and usage standards for copiers. These copiers will automatically "power down" after a specified period of non-use. The use of these Energy Star compliant copiers will reduce energy consumption and ultimately benefit the environment.

The default functions can be adjusted depending on your office requirements. Please see your authorized Panasonic copier dealer for more details.

The following trademarks and registered trademarks are used throughout this manual:

Microsoft, MS-DOS, Windows and Windows NT are registered trademarks of Microsoft Corporation in the USA and other countries.

i386, i486 and Pentium are trademarks of Intel Corporation.

Centronics is a registered trademark of Centronics Data Computer Corporation.

TrueType is a registered trademark of Apple Computer, Inc.

All other trademarks identified herein are the property of their respective owners.

Copyright © 2000- 2001 by Matsushita Graphic Communication Systems, Inc. All rights reserved. Unauthorized copying and distribution is a violation of law. Published in Japan.

The contents of these Operating Instructions are subject to change without notice.

Table of Contents

Before Use

able of Contents Before Use Precautions External View and Control Panel External View Control Panel (For DP-2500/3000) Control Panel (For DP-2000)	3
Before Use	3
Precautions	5
xternal View and Control Panel	6
External View	6
Control Panel (For DP-2500/3000)	7
Control Panel (For DP-2000)	8
nstallation and Configuration (Windows 95/98/Me)	10
Installing the LPR (Line Printer Remote) Monitor	10
	11
Configuring the Printer Driver Settings	16
 Setting Print Conditions: Setting on the Device 	26
nstallation and Configuration (Windows NT 4.0)	20 27
Istallation and Computation (Windows N 14.0).	21
Installing the LPR (Line Printer Remote) Monitor	27
	29
Configuring the Printer Driver Settings (Administrator)<	34
Configuring the Printer Driver Settings (User)	43
	49
nstallation and Configuration (Windows 2000)	50
	50
Configuring the Printer Driver Setting on Windows 2000	
(Administrator)	57
Configuring the Printer Driver Settings (User)	66
Setting Print Conditions: Setting on the Device	73
Class 2 Eax Modern Section	

Class 2 Fax Modem Section

Print Operation	74
 Printing from Windows Applications Printing on Network 	74
Printing on Network	75
Installing the Panasonic Class 2 Fax Modem	78
Installation (Windows 95/98/Me)	78
Installation (Windows NT 4.0)	
Installation (Windows 2000)	

Table of Contents

Document Mai	nagement System Section	
Installing the Docum	nent Management System	. 94
Document Manager	• <i>,</i>	. 97
U	Main Window	. 97
	Basic Operations	. 99
	Setting Plug-in	
	File Menu	
	Edit Menu	
	View Menu	
	Document Menu	
Document Scanner.		
Document Scamer.	Main Window	
	Tool Menu	
	I DOI METU	110
Decument Viewer	Image Scanning	
Document Viewer		119
	Main Window	
	Basic Operations	121
	Annotation Function	
	File Menu	
	Edit Menu	
	Page Menu	128
	Annotation Menu	
	Image Menu	. 136
	View Menu	
Status Monitor		140
	Task Bar Display	140
	Task Bar Menu	
	Display Status Details	142
Configuration Editor		145
	Main Window	145
	User Parameters Folder	1/7
	Fax Parameters Folder	
	Copier Settings Folder	140
	 Copier Settings Folder General Functions Folder 	149
	General Functions Folder	
	Journal Folder	101
Dhana Daala Editar	Phone Book Settings Shortcut Activation Folder	
Phone Book Editor.		
	Features	
	Activation Procedure	154
	Main Window (For DP-2000)	156
	Retrieve/Write	
	Open/Save File	
	Insert Entry	. 161
	Delete Entry	162
	·	
Troubleshootii	a	
noubicatiootti	19	j
Troubleshooting		163
	Starting with:	163
	Document is not printed correctly	164
	Error messages displayed on the computer	165
		166
	Adding Paper(j)	167
	Replacing the roller cartillage and waste roller bottle(M)	101
	Removing a Misfeed Paper	109
	Removing a Paper Misfeed	
Appendix		
	 Printing/Scanning Area Parallel Interface Connector 	1//
		178

Precautions

For U.S.A.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interence in which case the user will be required to correct the interference at his/her own expense.

Any unauthorized changes or modifications to this equipment would voide the users authority to operate this device.

■ You need to read the software license agreement before setting up the Printer Driver.

■ You need to read the following precautions which is described in the Copier Operating Instructions.

- Installation
- Ventilation
- Handling
- Toner and Paper
- For your safety

External View and Control Panel

External View



Parallel interface cable

• (A cable does not come with the unit.) Use a cable of IEEE1284 specifications, with a maximum length of 20 ft (6m). Consult a service provider for details.

External View and Control Panel



	SELECT A FUNCTIO	N	
		~~~~~~	
(1)	ON LINE	OFF LINE	(2)
3	SECURE PRINT	CANCEL	4

No.	Name	Function
1	ON LINE	Switch the printer from off-line status to on-line status.
2	OFF LINE	Switch the printer to off-line status. (The printer cannot be set off line when the data LED is blinking.)
3	SECURE PRINT	Used to print or delete the security print data.
4	CANCEL	Used to cancel the print job.
5	ON LINE LED	Turned on: Printer is operational online Turned off: Printer is offline
6	DATA LED	Turned on: Data is being received from the PC, or printing is under operation. Turned off: Printer is in standby or printing has been completed.

# **External View and Control Panel**



No.	Name	Function
1	ON LINE LED	Turned on: Printer is operational online Turned off: Printer is offline
2	DATA LED	Turned on: Data is being received from the PC, or printing is under operation. Turned off: Printer is in standby or printing has been completed.
3	STOP key	Used to cancel the print job.



**Digital Copier** 

# Printer Section DP-2000/2500/3000

# Installing the LPR (Line Printer Remote) Monitor

1	Click on the <b>Start</b> button, and click on <b>Run</b>
2 Run ?× Type the name of a program, folder, document, or Internet resource, and Windows will open it for you. Open: D:\English\Lpr\Setup.exe OK Cancel Browse	The <b>Run</b> dialog box appears. Insert CD-ROM containing the LPR folder. In the Open: field, type: <b>D:\English\Lpr\Setup.exe</b> (When drive D is CD-ROM drive.) Click on the OK button.
Welcome       Kelcome to the lpr Port Monitor DLL Setup program. This program will install lpr Port Monitor DLL on your computer.         Welcome to the lpr Port Monitor DLL on your computer.         It is strongly recommended that you exit all Windows programs before running this Setup program.         Click Cancel to quit Setup and then close any programs you have running. Click Next to continue with the Setup program.         WARNING: This program is protected by copyright law and international treates:         Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.         Kept       Cancel	The <b>Welcome</b> dialog box appears. Click on the <u>Next</u> button.
4 Restart Windows Installation complete. Please restart your system. © Yes, I want to restart my computer now. © No, I will restart my computer later. □K	The setup program copies the necessary files onto your Hard Disk. When the setup process is completed, a message is displayed prompting you to restart your computer. It is recommended that you restart your computer now so that the LPR Monitor is started. Click on the OK button.

# **Installing the Printer Driver**

Open the Printers folder.

 $\bigcirc$  Click the **Start** key.

(2) Place the cursor on **Settings** and click **Printers**.



Add Printer Wizard         Image: Second Se	<ol> <li>Insert the CD-ROM containing the printer driver.</li> <li>Click the Have Disk button.</li> </ol>
Install From Disk Inset the manufacturer's installation disk into ² OK OK Cancel Copy manufacturer's files from: ① Discontistinion of the provided manufacturer's files from:	<ol> <li>Specify the drive name and type D:\English\Driver\Win9x. (Where "D" is your CD-ROM drive.)</li> <li>Click the OK button.</li> </ol>
Add Printer Wizard         Image: Second Se	<ol> <li>Select the device (Panasonic DP-2000, Panasonic DP-2500 or Panasonic DP-3000).</li> <li>Click the <u>Next</u> button.</li> </ol>
Add Printer Wizard         Image: Second system	<ol> <li>Select LPT1.</li> <li>Click the Next button.</li> </ol>

Add Printer Wizard	You can type a name for this printer, or you can use the name supplied below. When you are ready, click Finish to install the printer and add it to the Printers folder. Printer name: Panasonic DP-2500 Do you want your Windows-based programs to use this printer as the default printer? Yes Yes Agack Finish Cancel	<ul> <li>In response to Do you want your Windows- based programs to use this printer as the default printer?, select Yes or No.</li> <li>Click the Finish button.</li> </ul>
		The required files are copied.



36%

The **Printers** Icon is now displayed in the **Printers** folder.

You have completed the installation as a local printer.

If both the PC and the printer are connected on a network, please contact your network administrator for the IP Address of the printer and proceed to the next step.

#### NOTE

Source:

Destination:

F:\English\Driver\Win9x\PanDP250.pfd

C:\WINDOWS\SYSTEM\PanDP250.PFD

- Be sure to delete the drivers of earlier versions before updating drivers.
- Restart Windows after updating drivers.

L	Hand General	ling Details	Quali Color Mana		Devi Sharing	ice Options Paper/Layout
	🇳 Par	nasonic DP-2	500			
						_
	<u>C</u> omment:	ľ				
	<u>S</u> eparator pa	age: (none)		•	<u>B</u> rowse	
						_
- 1				Print	<u>T</u> est Page	

The following step is to Register the LPR Port for network printing.

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

Right-click on the "Panasonic DP-2500" icon in the Printers folder and select Properties from the popup menu.

The Panasonic DP-2500 Properties dialog box appears.

Select the **Details** tab and click on the button.

10	Panasonic DP-2500 Properties
	Handling         Quality         Device Options           General         Details         Color Management         Sharing         Paper/Layout
	Panasonic DP-2500
	Print to the following port:           [LPT1: (ECP Printer Port)         Add Port
	Print using the following driver:
	Panasonic DP-2500     Image: Comparison of the second
	Timeout settings Not selected: 15 seconds
	Transmission jetry: 45 seconds
	Spool Settings Port Settings
	OK Cancel Apply

Add Port Select the type of port you want to add: Network Specify the network path to the printer: Browse Cick the type of port you want to add: HLPRMON Local Port OK Cancel	The Add Port dialog box appears. Click the <b>Other</b> radio button, and select <b>HLPRMON</b> from "Click the type of port you want to add:" and click on the OK button.
14 Lpr Port Name X Enter a host and port name: Ex. 172.0.0.4:/p server.ps OK [192.168.3.23:/p] Cancel	The LPR Port Name dialog box appears. Type the IP Address of the DP-2500 and "Ip"as the queue name separated by a ":" Example: 192.168.3.23:Ip Click on the OK button. If an error occurs because the queue name was already used for the same IP Address, select a unique name such as "Ipr".
15	The screen reverts to DP-2500 Properties. Check that the "Print to the following port:"was changed as entered, and click on the <b>Apply</b> button first and then on the OK button.

# **Configuring the Printer Driver Settings**

To change the printer settings, open the dialog box for the printer properties by the following steps.



Right-click the printer icon in the printers window, and select **Properties** in the dropdown menu. The dialog box for the printer properties appears.



NOTE

• Upon printing, changing properties **Paper/Layout**, **Handling**, **Quality** and **Device Options** is allowed by clicking **Properties** in the print dialog box of an application.

- Management tab of the color of property dialog box is not used for the DP-2000/2500 /3000
- **Sharing** Tab in property dialog box is not displayed unless printer sharing has not been specified.

# General Tab

	Panasonic DP-2500 Prop			<u>?</u> ×
	Handling	Quality		ice Options
	General Details	Color Management	Sharing	Paper/Layout
	Panasonic DP-2	500		_
(	1) <u>C</u> omment:			
()	2) Separator page: (none)	•	Browse	1
	, , , , , , , , , , , , , , , , , , ,	_		-
		3 Prin	<u>T</u> est Page	]
		OK	Cancel	Apply

## 1 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 already set-up user will remain unchanged even if the comment is modified later.

#### **2** Separator page

Inserts a separator page for every document to be printed. This feature is useful when multiple users share the same printer or when printing multiple documents at one time. The user can choose between **Full**, which is adorned with graphics, and **Simple** which consists of only text.

To use a specific separator page, click on Browse... and then specify any Windows metafile (.WMF) to be used as the separator page.

## ③ Print Test Page button

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

# Details Tab

Panasonic DP-2500 Properties	
Handling Quality Device Options	
General Details Color Management Sharing Paper/Layout	
Panasonic DP-2500	
1 Print to the following port:	
UP11: [ECP Printer Port] Add Port	
2 Print using the following driver:	
Panasonic DP-2500	
3apture Printer Port End Capture	
Timeout settings	
A Not selected: 15 seconds	
5 Transmission retry: 45 seconds	
Spool Settings Port Settings	
B 9 OK Cancel Apply	

# (1) Print to the following port

Displays either the port to which 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 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.

## 3 Capture Printer Port... / End Capture... button

Assigns a port to the network drive or cancels a port assigned to the network drive.

## (4) Timeout settings - Not selected

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

## **(5)** Timeout settings - Transmission retry

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.

6 Add Port... / Delete Port... button

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

New Driver...
 button

Updates or modifies the printer driver.

#### 8 Spool Settings... button

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

#### **Spool Data Type**

Select spool data type (EMF format or RAW format). Specifying RAW format results in longer time before placing an application operational after printing on the application.

Note: Spooling by EMF format (metafile compression) may cause the following problems on some application software.

- 1) Printing result is different from the screen display.
- 2) Printing requires excessive time.

#### Enable bidirectional support

Be sure to check the check box for "Enable bidirectional support" when installing the status monitor (See page 140). Printing may be disabled without checking it.

#### 9 Port Settings... button

Modifies printer port settings.

# Sharing Tab

Panasonic DP-2500 Properties	? ×	
Handling Quality General Details Color Management	Device Options Sharing Paper/Layout	
Not Shared     Shared As     Share Name: PANASONIC		
3 Comment: 4 Password:		
OK	Cancel Apply	

## **(1)** Not Shared/Shared As

Select whether to display or use 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 at this time will be displayed when other users view information about the printer on the network.

## **③ Comment**

You can enter comment 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 when other users will connect to this printer. Leave the box blank in order not to use any password.



[•] **Sharing** Tab in property dialog box is not displayed unless sharing of printer has been specified.

# Paper/Layout Tab

	Panasonic DP-2500 Prop Handling General Details	Derties Quality Color Management	Dev Sharing	ice Options
(	Paper Size <8.5 inch Letter Lega Paper Source Auto Selection	x 11.0 inch>	A4	A5
(6	(4) <u>C</u> opies (5) Zoom (1) (1) (1) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	in 1	C Land	scape
		<u>R</u> estore Defaults	Cancel	

# **1** Paper Size

Select a document size.

## **2** Paper Source

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

## 3 Orientation

Select the print orientation (Portrait/Landscape).

## (4) Copies

Specify the number of copies to be printed. If the number of copies to be printed can be specified within the application, indicate one copy here and specify the number of copies in the Print dialog box of the application.

## 5 Zoom

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.

#### **6** N in 1

For printing two or more pages on one sheet, specify a printing method.

Layout is selected by combining with "Orientation." Each layout is displayed with icon.

- 2 in 1: Print 2 pages of manuscripts zoomed out by 65 or 71% on one sheet.
- 4 in 1: Print 4 pages of manuscripts zoomed out by 50% on one sheet.

# Restore Defaults button

Return all items in Paper/Layout Tab to standard settings (default).

# Handling Tab

Sorter         Image: Sorter         Image	Panasonic DP-2500 Properties     ? ×       General     Details     Color Management     Sharing     Paper/Layout       Handling     Quality     Device Options
Flipping Direction 3	C Stack
6 Staple	Flipping Direction ③ Long Edge C Short Edge C Short Edge
OK Cancel Apply	6 Stagle Off

## 1 Sorter

Select whether to Stack or Sort when printing multiple copies.

# **②** Printing on both sides (Duplex)

Select duplex printing for printing on both sides.

- Note 1) Duplex Printing is allowed only when the Dual-Path Exit Guide Unit, Paper Transport Unit and Automatic Duplex Unit (DA-FK200/FK210/MD200) are mounted.
- Note 2) Check [Duplex Unit] check box in Device Options Tab.

## **③ Flipping Direction**

Select binding side (Long Edge/Short Edge) for duplex printing.

## **(4)** Binding Margin

Select the binding margin upon duplex printing. The width of the binding margin is specified on the main unit. (See page 30, copy section)

## **(5)** Output Tray

Specify the output destination. <Auto Selection, Inner Tray 1, Inner Tray 2>

Note 1) Output Tray selection is allowed only with Dual-Path Exit Guide Unit, Paper Transport Unit, Exit Tray (Outer) or 1-Bin Finisher (DA-FK200/FK210/XT200/FS200) is installed.

Note 2) Check [Inner Tray], [Finisher / Outer Tray] check boxes in Device Options Tab.

# 6 Staple

Specifying staple printing is allowed if the output bin is set to outer.

Note 1) Staple printing is allowed only with Electronic Sorting Board (DA-ES200 : For DP-2000 only) and 1-Bin Finisher (DA-FS200) mounted.

Note 2) Select "Sort" in the sort menu.

Note 3) Paper is stapled at the top left or at the top right. (See table below.)



# ■ Quality Tab

Pa	anasonic DP-2500 Properties	
	General Details Color Management Sharing Paper/Layout Handling Quality Device Options	
3	Haltone Provide Art Provide	
	(4) 	

## 1 Halftone

Select method of expressing halftone. Select the setting according to the data to be printed and your preference.

Normal: Select the halftoning method to be used. Select it according to the details of data and your preference.

Line Art: Use when printing originals containing line drawings or text.

#### **(2)** Resolution

Select the printer resolution (300dpi/600dpi).

## **③ Density**

Adjust the printing density (Contrast and Brightness) as desired.

# (4) Restore Defaults button

Return all items in the Quality Tab to standard settings (default).



• **dpi** (dot per inch) means the number of dots contained in one inch. The higher the value is, the higher the resolution becomes.

# Device Options Tab



## **(1) Secure Print Password**

Set the password for Secure Print, to enable the feature.

#### **2** Duplex Unit

Check this checkbox if the Automatic Duplex Unit (DA-MD200) is installed.

#### ③ Inner Tray

Check this checkbox if the Exit Tray (Inner) and the Dual-Path Exit Guide Unit (DA-XN200/FK200) are installed. Specifying inner bins, Inner 1 and Inner 2, is allowed for printing on the printer.

#### **④** Finisher/Outer Tray

Check this checkbox if the 1-Bin Finisher (DA-FS200) or Outer Tray (DA-XT200) is installed. Setting of Finisher/Outer Tray option is allowed when the Inner Tray option is enabled. The staple function also is selectable when the Finisher/Outer Tray option is enabled.

# **(5)** Number of Paper Tray

Select the number of available paper trays for the printer if an optional Paper Feed Module is installed.

#### **(6)** Printer/Fax Memory

Select the size of the Expansion Flash Memory Card or whether a Fax Option (2MB) has been installed, to enable Secure Print.

#### **Restore Defaults button**

Return all items in the Device Options Tab to standard settings (default).

#### 8 About... button

NOTE

Displays the version information about the printer driver.

• **Device Options** Tab is specified in the printer properties.

# **Setting Print Conditions: Setting on the Device**



Setting mode	Settings	Preset value number
00 PRINTER OUTPUT TRAY	Set the printer paper priority accommodation position. Outer/Inner 2/Inner 1	Inner 1

# Installing the LPR (Line Printer Remote) Monitor

Identification Services Protocols Adapters Bindings Windows uses the following information to identify your computer on the network. You may change the name fo this computer and the workgroup or domain that it will appear in. Computer Name: SALMON-E Domain: VIONT  Change OK Canc	Network				
computer on the network. You may change the name for this computer and the workgroup or domain that it will appear in. Computer Name: SALMON-E Domain: VIONT Change	Identifica	tion Servic	es Protocols	Adapters   Bindir	igs
Domain: VIONT		computer of this compu	on the network. 🦄	You may change t	he name fo
	Comput	er Name:	SALMON-E		
	Domain:		VIONT		
OK Can					_hange
OK Canc					
OK Canc					
OK Canc					
OK Canc					
OK Cano					
OK Cano					
				OK	Cano
		ian Servic	es Dratagala	Adapters I. Dividius	
·				kaabieis   binani	72
Identification Services Protocols Adapters Bindings			SmartAgent PC S	oftware	
·					
Identification Services Protocols Adapters Bindings Network Services: 3Com dRMON SmartAgent PC Software Computer Browser	📃 🔜 RPO	C Configurati			
Identification Services Protocols Adapters Bindings Network Services: Com dRMDN SmartAgent PC Software Computer Browser NetBIOS Interface RPC Configuration	📃 💻 Ser	ver			

Click on the **Start** button, point to **Settings**, and click **Control Panel**.

The Control Panel window appears. Double-click on the Network applet. The Network dialog box appears.

etwork				?
dentification	Services Pro	tocols	Adapters Bir	ndings
<u>N</u> etwork Se	rvices:			
E Comput	IRMON SmartAg ter Browser IS Interface onfiguration	ent PC \$	Software	
Add	n: tributed Remote		<u>P</u> roperties ng Smart Agen	Update

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 installed, skip to Installing the Printer Driver on Windows NT 4.0 otherwise continue installing the LPR Service.

Select Network Service ? Click the Network Service that you want to install, then click O.K. If you have an installation disk for this component, click Have Disk. Network Service: Client Service for NetWare Microsoft Peer Web Services Microsoft Peer Web Services Network Microsoft CP/IP Printing NetWork Moritor Agent Demote Access Service Have Disk	Click on the Add button to display the <b>Select Network Service</b> dialog box, then select <b>Microsoft TCP/IP Printing</b> . Click on the OK button .
Windows NT Setup       Image: Continue         Setup needs to copy some Windows NT files.       Continue         Setup will look for the files in the location specified below.       Cancel         If you want Setup to look in a different place, type the new location. When the location is correct, click       Cancel         D:\\386       D:\\386	Windows NT Setup dialog box appears. Insert the Windows NT 4.0 CD-ROM , and type D:\i386 (where "D:" is your CD-ROM drive). Click on the <u>Continue</u> button.
Network       ? ×         Identification       Services         Network       Services:         3Com dRIMON       SmartAgent PC Software         Computer Browser       Microsoft TCP/IP Printing         NetBIOS       Interface         RPPC Configuration       Server         Vorkstation       Add         Description:       Enables Windows NT to print to TCP/IP-connected printers or to printers that are physically attached to UNIX computers.         Close       Cencel	After the files are copied into your Hard Drive, the display returns to the Network dialog box. Confirm that the Microsoft TCP/IP Printing service was added to Network Services: list. Click on the <u>Close</u> button. NOTE: Delete and Reinstall the Microsoft TCP/IP Printing if an error occurs, and the Microsoft TCP/IP Printing is displayed in the Network Services list, but, the OK button does not change into a Close button.
Network Settings Change	Network Settings Change dialog box is displayed, click on the Yes button to confirm whether to restart your computer now. You have now completed the LPR Service

installation. The next step is to install the Printer Driver on Windows NT 4.0.

# Installing the Printer Driver

Log in using an account with the authority to change system settings (e.g. Administrator).

Open the **Printers** folder.

 $\bigcirc$  Click the **Start** button.

(2) Place the cursor on **Settings** and click **Printers**.



Add Printer Wizard         Image: Constraint of the context of the port(s) you want to use. Documents will print to the first available checked port.         Available ports:         Port       Description         Printer       Port         Port       Description         Printer       Port         Port       Description         Printer       Port         Port       Description         Printer       Port         COM1:       Local Port         COM2:       Local Port         COM3:       Local Port         COM3:       Local Port         Comfigure Port       Enable printer pooling          Enable printer pooling	<ul> <li>The Available Ports: list appears.</li> <li>For local printer, click the <u>Next</u> button and proceed to step 8.</li> <li>For network printer, click the <u>Add Port</u> button.</li> </ul>
5 Printer Ports Available Printer Ports:   Digital Network Port   Lexmark DLC Network Port   Lexmark TCP/IP Network Port   Local Port     IPR Port     New Monitor     New Port	Printer Ports dialog box appears. Select LPR Port and click the <u>New Port</u> button.
Add LPR compatible printer       X         Name or address of server providing lpd:       192.168.3.23         Name of printer or print queue on that server:       Ip         Help	<ul> <li>Add LPR compatible printer dialog box appears.</li> <li>Enter the IP Address of the Printer in the upper field, and "lp" for the print queue name in the lower field.</li> <li>Click the OK button.</li> <li>(Please wait while the wizard verifies the IP Address and connectivity to the Network)</li> <li>The Printer Ports dialog box is displayed again. Click the Close button.</li> </ul>

Add Printer Wizard       Icick the check box next to the port(s) you want to use. Documents will print to the first available checked port.         Available ports:       Port       Description       Printer         Image: Discription       Printer       Image: Discription       Printer	Select the printer port and click the <u>Next</u> button.
Add Printer Wizard         Image: Second Se	<ol> <li>Insert the CD-ROM containing the printer driver.</li> <li>Click the Have Disk button.</li> </ol>
Install From Disk       Insert the manufacturer's installation disk into the drive (2) OK Cancel         Image: Copy manufacturer's files from:       Image: Copy manufacturer's files from:         Image: Copy manufacturer's files from:       Image: Copy manufacturer's files from:         Image: Copy manufacturer's files from:       Image: Copy manufacturer's files from:         Image: Copy manufacturer's files from:       Image: Copy manufacturer's files from:         Image: Copy manufacturer's files from:       Image: Copy manufacturer's files from:	<ol> <li>Specify drive name and type</li> <li>D:\English\Driver\WinNT4. (Where "D" is your CD-ROM drive.)</li> <li>Click the OK button.</li> </ol>
Add Printer Wizard Click 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.  Printers: Panasonic DP-2000 Panasonic DP-2000 Panasonic DP-2000 Panasonic DP-2000 Panasonic DP-3000 Panason	<ol> <li>Select the device (Panasonic DP-2000, Panasonic DP-2500 or Panasonic DP-3000).</li> <li>Click the <u>Next</u> button.</li> </ol>

11	Add Printer Wizard  Type in the name of this printer. When you have finished, click Next.  Note: Exceeding 31 characters in the Server and Printer name combination may not be supported by some applications.  Printer name: Panasonic DP2500  Do you want your Windows-based programs to use this printer as the default printer?  Prise Ng  (Ng)  (Rest)  (Rest) (Rest)  (Rest) (Rest) (Rest) (Rest) (Rest) (Rest) (Rest) (Rest) (Rest) (Re	<ol> <li>In response to Do you want your Windows- based programs to use this printer as the default printer?, select Yes or No.</li> <li>Click the <u>Next</u> button.</li> </ol>
12	Add Printer Wizard         Image: State of the state	<ul> <li>Select Not Shared and click the Next</li> <li>button.</li> <li>Select Shared only when installing on a network server.</li> <li>See the Windows NT 4.0 user's manual for details.</li> </ul>
13	Add Printer Wizard         After your printer is installed, you can print a test page so you can confirm that the printer is set up properly.         Would you like to print a test page?         Image: State of the state	<ol> <li>Select Yes [recommended] and click the         <ul> <li>Finish button.</li> <li>Test printing starts.</li> <li>Default (initial setting) for paper size is Letter .</li> <li>See page 44 for changing default paper size.</li> </ul> </li> <li>Select No when skipping test printing, and click the button.</li> </ol>

Copying Files		×
	6	
PFXNT.INI To D:\WINNT	T\System32\spool\DRIVERS\W32X86	6
		Cancel
🕅 Printers		_ 🗆 🗙
	w <u>H</u> elp	
Add Printer	Panasonic DP-2500	
1 object(s) select	ted	

The required files are copied.

The **Printers** Icon is now displayed in the **Printers** folder.

NOTE

Be sure to delete the drivers of earlier versions before updating a driver.Restart Windows after updating drivers.

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

To change the printer settings, open the dialog box for the printer properties by the following steps.

Log in using an account with the authority to change system settings (e.g. Administrator).
 Click the Start button, place the cursor on Settings, and then click Printers.
 Right click the printer icon in the printers window, and select Properties in the drapdown many

Right-click the printer icon in the printers window, and select **Properties** in the dropdown menu. The dialog box for the printer properties appears.



NOTE

In Windows NT4.0, setting the properties depends on the log-in account. This section describes properties to be specified by an administrator (system manager).
 See "Configuring the Printer Driver Settings (User)" for details of user properties. (See page 43)

## General Tab

General Ports Schedu	ng Sharing Security Device Settings
1) <u>C</u> omment:	
Location:     Panasonic DI	
Separator Page	Print Iest Page
	OK Cancel

## 1 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 a user already set-up will remain unchanged even if the comment is modified later.

## 2 Location

Specify 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.

#### 4 New Driver... button

Either updates or modifies the printer driver.

#### 5 Separator Page... button

Inserts a separator page for every document to be printed. This feature is useful when multiple users share the same printer or when printing multiple documents at one time.

Enter the separator page file name in the Separator Page dialog box or Click on Browse... to specify the file (.sep) to be used as the separator page.

## 6 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.

#### Print Test Page button

Prints a test page. This allows you to verify if the printer is installed properly.
### Ports Tab

Panasonic DP-25     General Ports Sci     Panasonic I	heduling Sharing Se	? ×	
1 Brint to the following p checked port.	port(s). Documents will p	rint to the first free	
Image: Constraint of the second sec	Local Port Local Port	Panasonic DP-2500	

### **(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 port.

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

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

### (4) Enable bidirectional support

On a printer, this setting enables reception of configuration data and status data from computer. Be sure to check this checkbox when installing status monitor (See page140). Printing may be disabled without checking on the checkbox.

### **(5)** Enable printer pooling

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

### NOTE

- Specify time (seconds) waiting for the printer to be ready for printing. If a printer is not ready for printing after the specified time has elapsed, an error message is displayed.
- If a timeout error occurs frequently upon printing a large size document, specify a larger value here.

### Scheduling Tab

🐗 Panasonic DP-2500 Properties	? ×	
General Ports Scheduling Sharing Secu	rrity Device Settings	
1 Available: • Always	-	
© Erom 12:00 AM -	<u>I</u> o 12:00 AM	
Lowest	Highest	
Current Priority: 1		
3 • Spool print documents so program finishes p	printing faster	
C Start printing after last page is spooled		
<ul> <li>Start printing immediately</li> </ul>		
Print directly to the printer		
4 <u>H</u> old mismatched documents		
5 Print spooled documents first 6 <u>K</u> eep documents after they have printed		
	OK Cancel	

### 1 Available

Schedules the printer 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 the 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.

### Sharing Tab

🖸 Panasonic DP-2500 Properties 🛛 🛙 🗙
General Ports Scheduling Sharing Security Device Settings
Panasonic DP-2500
1 • Not Shared
○ 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
Windows NT 3.5 or 3.51 x86
To modify the permissions on the printer, go to the Security tab.
OK Cancel

### **(1) Not Shared/Shared**

Select whether to display or use this printer on or 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 on the network view information about the printer.

### **③ Alternate Drivers**

Specify the operating systems of other computers that might share this printer.

### NOTE

When sharing a printer on the network, the print driver is installed on one print server, 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 computers that will be sharing the printer.

### Security Tab

💣 Panasonic DP-2500 Properties	? X
General Ports Scheduling Sharing Security De Permissions View or set permission information on the selected item(s)	evice Settings
View or set permission information on the selected item(s).	(1) Permissions
View or set auditing information on the selected item(s).	2 Auditing
Ownership View or take ownership of the selected Item(s).	3 Qwnership
OK	Cancel

1 Permissions button

Set printer access privileges.

### 2 Auditing button

Displays the persons who used this printer and how they used.

### ③ Ownership button

Set the ownership of the printer.

NOTE

 In order to utilize these features, you need to have selected Audit... from User Manager's Policies and have enabled File and Object Access in the Audit Policy dialog box.

### Device Settings Tab

Ceneral Ports Scheduling Sharing Security Device Settings
<ul> <li>Panasonic DP-2500 Device Settings</li> <li>Hafftone Setup</li> <li>Duplex Unit: </li></ul>

### **(1)** Halftone Setup

### Halftone Setup... button

Select the halftoning method to be used (halftones specific to the printer). Select it according to the details of data and your preference.



### Halftone Pattern

Select the pixel size to be used for halftones.

The greater the value, the coarser the image would become. However, a larger value is suited to printing in large areas.

The Enhanced pattern allows printing at a higher resolution using the same number of pixels. However, the pattern might generate unnatural lines, patterns, moire effects, and so on depending on the image to be printed.

NOTE

- Device Settings Tab specifies device-specific settings and settings of optional
  - devices. Refer to the operation manuals of the optional devices, or on-line manuals for settings items.
- Settings specified in this section are saved as standard (default) settings of the printer.

### Device Gamma

Adjust the gamma of print images (color intensities).

### • Pixel Diameter

Adjust the darkness of the print image. Manipulate the slider to specify the pixel size. You can select between specifying the real size in inches or specifying in percentage relative to the printer resolution.

### • Luminance (CIE Y)

Adjust the luminosity of the print image.

### **2** Duplex Unit

Check this checkbox if Automatic Duplex Unit (DA-MD200) is installed. Duplex printing function is enabled.

### **③ Output Tray**

If Exit Tray (Inner) and Dual-Path Exit Guide Unit (DA-XN200/FK200) are installed, select inner option. This allows specifying Inner 1 and Inner 2 as output bins for printer output.

If 1-Bin Finisher or Exit Tray (Outer) (DA-FS200/XT200) is installed, select inner option + outer option. This allows specifying inner 1, inner 2, and outer as output bins for printer output. Also, stapling function becomes available if inner option and outer option are enabled.

### **④** Number of Paper Tray

Select the number of available paper tray for printer if an optional Paper Feed Module is installed.

### **(5)** Printer/Fax Memory

Select the size of the Expansion Flash Memory Card to enable the Secure Print.

### **(6) Secure Print Password**

Set the password for Secure Print.

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

To change the printer settings, open the dialog box for the printer properties by the following steps.

Select Print in the File menu of the application.

Click the <u>Properties...</u> button in the **Print** dialog box. The dialog box for the printer properties appears. Click the top tabs of the dialog box and specify the properties.

NOTE

 In Windows NT4.0, setting properties depends on the log-in account. This section describes properties to be specified by a user, upon executing a print operation on an application. See "Configuring the Printer Driver Settings (Administrator)" for details of administrator properties. (See page 34)

### Page Setup Tab

🔹 Panasonic DP-2500 Default Document Properties 🛛 🔀 🔀
Page Setup Advanced
1 Paper Size: Letter
2 Paper Source: Auto Selection
5 Orientation
A O Landscape
6 Print on Both Sides (Duplex Printing)
A C Short Edge A C Long Edge
OK Cancel

### **1** Paper Size

Select the size of the document.

### **2** Paper Source

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

### **③ Copy Count**

Specify the number of copies to be printed. If the number of copies to be printed can be specified within the application, indicate one copy here and specify the number of copies in the Print dialog box of the application.

### (4) Sort

Select whether to Stack or Sort when printing multiple copies.

### **(5)** Orientation

Select the print orientation (Portrait/Landscape).

### **6** Print on Both Sides (Duplex Printing)

Specify if duplex printing is performed. Select the binding side (None/Short Edge/Long Edge) for duplex printing.

Note 1) Duplex Printing on post card is not allowed.

Note 2) Duplex Printing is allowed only when the Dual-Path Exit Guide Unit, Paper Transport Unit and Automatic Duplex Unit (DA-FK200/FK210/MD200) are mounted.

Note 3) Check the [Duplex Unit] check box in Device Settings Tab.

### Advanced Tab

Panasonic DP-2500 Default Document Properties
Panesonic OP-2500 Document Settings         Paper /Dutput         □         □         Paper Size: <letter>         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □         □</letter>
Panasonic DP-2500 Document Settings Undo Changed Option

### **1** Paper Size

Select the size of the document.

### 2 Orientation

Select the print orientation (Portrait/Landscape).

### **③** Paper Source

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

### **(4)** Copy Count

Specify the number of copies to be printed. If the number of copies to be printed can be specified within the application, indicate one copy here and specify the number of copies in the Print dialog box of the application.

### **(5)** Print on Both Sides (Duplex Printing)

Specify if duplex printing is performed.

### 6 Resolution

Select the printer resolution (300dpi/600dpi).

### $\bigcirc$ Scaling

Specify custom zoom when printing a document by zooming in/out at a desired rate. If the zooming rate is specifiable in an application, specify "100%" (same size) here. Specify a zooming rate in the print dialog box of the application.

NOTE

• Settings specified in this section are valid until an application is shut down.

### Advanced Tab

Image: State Control Contrel Contrecontrol Contrel Control Control Control Cont	
Halftone Color Adjustment	

### **1** Metafile Spooling

With Metafile Spooling enabled, the file is spooled in EMF format (metafile compression). With the function disabled, the file is spooled in RAW (non-compression) format. Specifying RAW format results in longer time before placing an application operational after printing on the application.

Note: Spooling by EMF format may cause the following problems on some application software.

- 1) Printing result is different from the screen display.
- 2) Printing requires excessive time.

### **2** N in 1

For printing two or more pages on one sheet, specify a printing method.

Layout is selected by combining with "Orientation." Each layout is displayed with an icon.

2 in 1: Print 2 pages of documents zoomed out by 65 or 71% on one sheet.

4 in 1: Print 4 pages of documents zoomed out by 50% on one sheet.

### **③ Binding Margin**

Select the binding margin for duplex printing.

The width of the binding margin is specified on the main unit. (See page 30, copy section)

### **④ Staple**

Specifying staple printing is allowed if the output bin is set to outer.

- Note 1) Staple printing is allowed only with Electronic Sorting Board (DA-ES200 : For DP-2000 only) and 1-Bin Finisher (DA-FS200) mounted.
- Note 2) Paper is stapled at the top left or at the top right. (See table below.)



### **(5) Output Tray**

Specify the output destination.

Note 1) Output Tray selection is allowed only when the Dual-Path Exit Guide Unit, Paper Transport Unit, Exit Tray (Outer) or 1-Bin Finisher (DA-FK200/FK210/XT200/FS200) is installed.

Note 2) Post cards cannot be output from the outer tray.

### **6** Secure Print

Select to enable Security Print.

### **(7) Halftone Color Adjustment**

Halftone Co	lor Adjustment: Pana	sonic DP-2500	? ×
<u>C</u> ontrast: Brightness:			
Color:		<u>R</u> ed: 1.000 • _	OK
Tint:	( <del>(</del> )	✓ Green: 1.000 ·	Cancel
Dark P	icture 🗖 <u>N</u> egative	<u>Blue:</u> 1.000	De <u>f</u> ault
Blac <u>k</u> Ref	0.000 💶 📄	<u>W</u> hite Ref: 1.000 <u>▼</u>	Re <u>v</u> ert
Picture: 2: F	GB Test Colors 💌	36x33, 256 @8> 379x347	<u>0</u> pen
✓ View	🗌 Maximi <u>z</u> e 🔲 <u>P</u> alet	te 🔽 Sc <u>a</u> le 🔲 Flip 🖄 🔲 Flip <u>Y</u>	<u>S</u> ave As

### Contrast

Adjust the contrast of print images.

• Brightness

Adjust the brightness of print images.

Dark Picture

Select this option in order to print dark images brighter.

• Negative

Select this option in order to print images with black and white reversed.

Input RGB Gamma

Adjust the gamma of print images (color intensities). Red, Green and Blue can also be adjusted individually.

Black Ref/White Ref

Adjust the difference between the darkest and lightest colors of an image. Increasing the Black Ref value or decreasing the White Ref value will intensify the contrast of the image but reduces the range of colors in between.

### Picture

Select a test pattern type.

Selecting the View check box will display halftone adjustment results in the test pattern.



Settings specified in this section are valid until an application is shut down.
Specifying [Yes] for [Binding Margin] moves a printing area vertically or horizontally (for ensuring binding margin). For specifying margin in consideration of a double-page spread printing on application, specify [No] for [Binding Margin].



Setting mode	Settings	Preset value number
00 PRINTER OUTPUT TRAY	Set the printer paper priority accommodation position. Outer/Inner 2/Inner 1	Inner 1

## Installing the Printer Driver

Log in using an account with the authority to change system settings (e.g. Administrator).

### About Windows 2000

Panasonic has performed operational tests on the **Document Scanner, Status Monitor** and **Printing System - software** using **Office 2000**. However, the company does not necessarily guarantee normal operation of all applications on **Windows 2000**.

Panasonic has not registered with the Windows 2000 logo. Ignore the warning message about the logo upon installation. Windows 2000 is capable of disallowing installation of drivers without logo registration. If the function has been activated, cancel the function for installation.



# **Printer Section**

# Installation and Configuration (Windows 2000)

Add Printer Wizard         Local or Network Printer         Is the printer attached to your computer?         If the printer is directly attached to your computer, click Local printer. If it is attached to another computer, or directly to the network, click Network printer.         If coal printer         Ic coal printer         Ic dot printer         If the printer is directly attached to your computer, click Local printer. If it is attached to another computer, or directly to the network, click Network printer.         Ic coal printer         Ic dot printer         If dot printer         If the printer is directly attached to install my Plug and Play printer         If Ngtwork printer         If Ngtwork printer         If Ngtwork printer	Select Local printer and click the Next button. Specify Network Printer for installing a printer on server upon network. Refer to the manual about Windows 2000. Even if the printer is networked, install as Local printer for now. This will be changed in later steps.
55       Add Printer Wizard         Mem Printer Detection       If it wizard automatically detects and installs new Plug and Play printers         Image: Comparison of the printer manually.       Image: Comparison of the printer manually.         Image: Comparison of the printer manually.       Image: Comparison of the printer manually.         Image: Comparison of the printer manually.       Image: Comparison of the printer manually.	Click the Next button.

6

elect the Printer Port Computers communicate with printers throu	igh ports.
Select the port you want your printer to use new port.	. If the port is not listed, you can create a
C Use the following port:	
Port         Description           LPT1:         Printer Port           LPT2:         Printer Port           LPT3:         Printer Port           COM1:         Serial Port           COM2:         Serial Port           COM2:         Serial Port           Note:         Most computers use the LPT1: p	Printer
© Create a new port:	
Type: Local Port Local Port	
Standard TCP/IF WinFax Ports	<pre>/Port </pre> ✓ A set to the set to

- For local printer, select a Printer Port and click the Next button. Then proceed to step 13.
- For network printer, select Create a new port to "Standard TCP/IP Port" and click the <u>Next</u> button.

7	Add Standard TCP/IP Printer Port Wizard           Welcome to the Add Standard CC//IP Printer Port Wizard           We use this wizard to add a port for a network printer.           Before continuing be sure that:           1. The device is turned on.           2. The network is connected and configured.	Click the Next button.
8	Add Standard TCP/IP Printer Port Wizard       ▼         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:       10.74.229.201       Image: Comparison of the desired device.         Printer Name or IP Address:       10.74.229.201       Image: Comparison of the desired device.         Point Name:       IP_10.74.229.201       Image: Comparison of the desired device.         Cancel       Image: Comparison of the desired device.       Image: Comparison of the desired device.	<ul> <li>Enter the IP Address and the Port Name and click the Next button.</li> <li>Note: The Port Name is automatically entered by Windows 2000. You may change this as required.</li> </ul>
9	Add Standard TCP/IP Printer Port Wizard       X         Additional Pott Information Required The device could not be identified.       Image: Court of the identified of th	Select <b>Custom</b> and click the Settings button.

10	Configure Standard TCP/IP Port Monitor       ? ×         Pot Settings          Pot Name:       IP_10.74.229.201         Printer Name or IP Address:       10.74.229.201         Protocol       Eaw         Raw Settings       9100         Pot Number:       9100         LPR Settings       9100         © Queue Name:       LPR1         ✓ LPR Byte Counting Enabled	<ol> <li>Select LPR on Protocol menu.</li> <li>Enter the Queue Name and select LPR Byte Counting Enabled on LPR Settings menu.</li> <li>Click the OK button.</li> </ol>
11	Add Standard TCP/IP Printer Port Wizard       X         Additional Port Information Required The device could not be identified.       Image: Comparison of the previous for the previous is properly configured         The detected device is of unknown type. Be sure that:       1. The device is properly configured       2. The address on the previous page is correct.         Ether correct the address and perform another search on the network by returning to the previous wizard page or select the device type if you are sure the address is correct.         Device Type       Standard         Generic Network Card       Image: Concel         Image: Qustom       Settings	Click the Next button.
12	Add Standard TCP/IP Printer Port Wizard       X         Completing the Add Standard CCP/IP Printer Port Wizard       You have selected a port with the following characteristics.         SNMP:       No         Protocol       LPR, LPR1         Device:       10.74.223.201         Adapter Type:       To complete this wizard, click. Finish.         Vouce       Vouce         X       X         X       X         X       X         X       X         X       X         X       X         X       X         X       X         X       X         X       X         X       X         X       X         X       X         Y       X         Y       X         Y       Y         Y       Y         Y       X         Y       Y         Y       Y         Y       Y         Y       Y         Y       Y         Y       Y         Y       Y         Y       Y         Y       Y </th <th>Click the Finish button.</th>	Click the Finish button.

Add Printer Wizard         Add Printer Wizard         The manufacturer and model determine which printer to use.         Image: Select the manufacturer and model of your printer. If your printer came with an installation compatible printer.         Select the manufacturer and model of your printer. If your printer came with an installation compatible printer.         Manufacturers:       Printers:         Manufacturers:       Printers:         Panasonic KX-P1081       Panasonic KX-P1121         Panasonic KX-P1124       Panasonic KX-P1124         Panasonic KX-P1120       Panasonic KX-P1124         Panasonic KX-P1124       Panasonic KX-P1124         Panasonic KX-P1120       Panasonic KX-P1124         Panasonic KX-P1120       Panasonic KX-P1124         Panasonic KX-P1120       Panasonic KX-P1124         Panasonic KX-P1120       Panasonic KX-P1120         Panasonic KX-P1120       Panasonic KX-P1120         Panasonic KX-P1120       Panasonic KX-P1120         Panasonic KX-P1120       Panasonic KX-P1120	<ol> <li>Insert the CD-ROM containing the printer driver.</li> <li>Click the <u>Have Disk</u> button.</li> </ol>
< Back       Next>       Cancel         Install From Disk       X         Insert the manufacturer's installation disk into the drive       2         Insert the manufacturer's installation disk into the drive       2         OK       Cancel         Copy manufacturer's files from:       1         Description/Driver/Wrink114       Browse	<ol> <li>Specify the drive name and type</li> <li>D:\English\Driver\WinNT4. (Where "D" is your CD-ROM drive.)</li> <li>Click the OK button.</li> </ol>
Add Printer Wizard         Add Printer Wizard         The manufacturer and model determine which printer to use.         Select the manufacturer and model of your printer. If your printer came with an installation disk, click Have Disk. If your printer is not listed, consult your printer documentation for a compatible printer.         Printers:         Panasonic DP-2000         Panasonic DP-2000         Panasonic DP-3000         Have Disk         Level Disk         Q         Level Disk	<ol> <li>Select your device (Panasonic DP-2000, Panasonic DP-2500 or Panasonic DP-3000).</li> <li>Click the <u>Next</u> button.</li> </ol>

16	Add Printer Wizard         You must assign a name for this printer.         Supply a name for this printer. Some programs do not support server and printer name         Printer name:         Panasonic DP-2500	Click the Next button.
17	Add Printer Wizard         Printer Sharing         You can share this printer with other network users.         Indicate whether you want this printer to be available to other users. If you share this printer, you must provide a share name.         © Do not share this printer         C Share as:             < Back       Next >	<ul> <li>Select <b>Do not share this printer</b> and click the Next button.</li> <li>Select <b>Share as</b> only when installing onto a network server. Refer to the manual for Windows 2000 for details.</li> </ul>
18	Add Printer Wizard         Print Test Page         To confirm that the printer is installed properly, you can print a test page.         Do you want to print a test page?         C Yes         © Ma	Select <b>No</b> and click the Next button.

19	Add Printer Wizard	Completing the Add Printer         Wizard         You have successfully completed the Add Printer wizard.         You specified the following printer settings:         Name:       Panasonic DP-2500         Shared as:       (Not Shared)         Port:       IP_1074223.201         Model:       Panasonic DP-2500         Default:       No         Test page:       No	Click the Finish button.
20	Digital Signature Not Fou	nd     X       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.       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?	Click the Yes button.

21

🔯 Printers					_ 🗆 ×
<u>File E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> oo	ls <u>H</u> elp				
🛛 🖙 Back 👻 🔿 👻 🔁 🛛 🔞 Search	다금 Folders	CHistory	망 망	Xら	•
Address 🕢 Printers					· ∂°60
ig 'l	Ś	8			
Printers	Add Printer	Panasonic DP-2500			
This folder contains information about printers that are currently installed, and a wizard to help you install new printers.					
To get information about a printer that is currently installed, right-click the printer's icon.					
To install a new printer, click the Add Printer icon.					
Select an item to view its description.					
Windows 2000 Support					
2 object(s)					11.

The required files are copied.

The **Printers** Icon is now displayed in the **Printers** folder.

# Configuring the Printer Driver Setting on Windows 2000 (Administrator)

To change the printer properties, open the dialog box for the printer properties by the following steps.





NOTE

 In Windows 2000, setting the properties depends on the log-in accounts. This section describes properties to be specified by an administrator (system manager). See "Configuring the Printer Driver Settings" for details of user properties. (See page 66)

### General Tab



### **1** Printer Name

Name of the printer specified upon installation is displayed.

### **(2)** Location and Comment

Enter a comment about the location of the printer installation and information about the printer. If a printer is shared, the location and comment specified in this field appears when another user sets up this printer on his/her computer. After completion of setup, however, changing this comment does not update the location and comment appearing on users PCs.

### ③ Model

Model name of the printer is displayed.

### **④** Features

Functions and settings of the printer are displayed.

### 5 Printing Preferences... button

Changes properties (print settings) specifiable for each user. Refer to "Configuring the Printer Driver Settings" for details of settings (See page 66)

### 6 Print Test Page button

Prints a test page. This operation verifies that a printer has been properly installed.

### Sharing Tab

(	Panasonic DP-2500 Properties     General Sharing Ports Advanced Security Device Settings     Panasonic DP-2500     Not shared     Shared as:	
	Drivers for different versions of Windows         If this printer is shared with users running different versions of Windows then you will need to install additional drivers for it.         (2)       Additional Drivers	

### **(1)** Not shared/Shared as

Specify if this printer is displayed or used on a computer of other users.

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**

Install additional printer drivers on the system.

When users running different versions of Windows share a printer, installing additional drivers avoids the necessity for installing new drivers on their systems.

### NOTE

• If a printer is shared on a network, installing the printer driver on one print server allows other computers to copy the driver automatically for use. Accordingly, a print server is required to provide alternative printer drivers for other OS's that may use the printer.

### Ports Tab

Panasonic DP-2500 Properties     Protect Security Device Settings     Panasonic DP-2500	
①       Print to the following port(s). Documents will print to the first free checked port.         ○       Port       Description         ○       Printer Port       Printer Port         ○       COM1: Serial Port       Port         ○       COM2: Serial Port       ③         ○       COM4: Serial Port       ○         ○       Combine Port       ○         ○       Combine Port       ○	

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

Displays a list of ports that allows printing, their status (description), and printers connected to the ports.

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

Add or delete a new local port or a new network port.

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

Configure the port that is selected. On a parallel port, wait time (in seconds) for retransmission is specified.

### (4) Enable bidirectional support

On a printer, this setting enables reception of configuration data and status data from the computer. Be sure to check this checkbox when installing the status monitor (See page 140). Printing may be disabled without checking this checkbox.

### **(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 allows printing.



 Specify time (seconds) waiting for the printer to be ready for printing. If a printer is not ready for printing after the specified time has elapsed, an error message is displayed. If a timeout error occurs frequently upon printing a large size document, specify a larger value here.

### Advanced Tab

🎻 Panasonic DP-2500 Properties 🔹 🔀
General Sharing Ports Advanced Security Device Settings
O C Available To 12:00 AM - To 12:00 AM -
2 Prioity: 1
3 Driver: Panasonic DP-2500
<ul> <li>Spool print documents so program finishes printing faster</li> <li>Start printing after last page is spooled</li> <li>Start printing immediately</li> <li>Print girrectly to the printer</li> </ul>
(7)     IV     Print spooled documents first       (8)     □     Keep printed documents
8       □       Keep printed documents         9       IV       Enable advanced printing features
Printing Defaults     Pright Processor     Separator Page       1     1       0     1       0K     Cancel

### 1 Always available/Available from

Specify the operation schedule for a printer. Selecting **Available from** allows specifying an operation time.

### **2** Priority

Specify the priority in printing. Priority is adjustable from 1 to 99. ORIGINAL of higher priority are printed before those of lower priority.

### ③ Driver

Printer drivers are displayed. Specify a printer being used or specify a printer type that allows emulation by the printer being used.

### (4) New Driver... button

Update or change the printer driver.

### **(5)** Spool print documents so program finishes printing faster

Specify the method of sending a document from the program to the printer.

### **6** Hold mismatched documents

Spooler compares the printer settings with the paper settings (such as paper size and printing orientation). If the settings are inconsistent, the printing is suspended.

### $\bigcirc$ Print spooled documents first

Always print spooled documents first regardless of the printing priority.

### **(8)** Keep printed documents

After printing, documents are kept in the queue. The documents are allowed to be reprinted directly from the queue regardless of the status of an application.

### (9) Enable advanced printing features

Usually enables advanced printing features. Optional features of the printer (page ordering, booklet printing, numbering on sheets) are enabled. The features can be disabled if a problem occurs regarding compatibility. Disabling the features may disable the printing options also.

### 1 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 "Configuring the Printer Driver Settings" for detailed settings. (See page 66)

### 1 Print Processor... button

Specify a print processor and data type to be used for printing.

The processor and data type define operations of printers on Windows 2000.

Usually no change is required in the settings. Use of a printer on a special application, however, may require changes on the settings.

### 12 Separator Page... button

A Separator page is inserted between documents to be printed. This function is useful when using one printer among two or more users and when printing two or more documents by one operation.

### Security Tab

C	Panasonic DP-2500 Properties General Sharing Ports Advanced S Name Administrators (BPG-MULTI\Administr CREATOR OWNER EVeryone Power Users (BPG-MULTI\Power Us	ators)
	Print Manage Printers Manage Documents	Allow Deny
	Advanced 2	Cancel Apply

Displays a list of users and groups that are assigned access to this printer. A list of standard access permitted/prohibited for each group or user is displayed. Check the checkbox for permitting or prohibiting access. Gray checkbox indicates inheritance of access permission.

### (1) Add... / Remove button

Add or delete a user or group in the list.

### 2 Advanced... button

Specify access to a printer, audit, and owner.

Туре	Name	Permission	Apply to
Allow	CREATOR OWNER	Manage Doc	Documents only
🔊 Allow	Everyone	Print	This printer only
🔊 Allow	Administrators (BPG-MU	Manage Print	This printer only
🔊 Allow	Administrators (BPG-MU	Manage Doc	Documents only
🔊 Allow	Power Users (BPG-MU	Manage Print	This printer only
🔊 Allow	Power Users (BPG-MU	Manage Doc	Documents only
A <u>d</u> d.	<u>R</u> emove		
his permis	sion is defined directly on this	object. This permi	ission is inherited by child objec

NOTE

• Windows 2000 provides the capability of managing access to various objects (e.g. printers) on users.

Refer to manuals of Windows 2000 for details of access permission, audit, and owner.

### Device Settings Tab



### 1 Halftone Setup... button

Select the method of expressing device halftone (printer-specific halftone). Select the settings according to printing data and preference.

Device Color / Halftone Properties	? ×
Device: Panasonic DP-2500	
Halftone Pattern: SuperCell Enhanced	
Device G <u>a</u> mma: 1.0000 📕 📄 🕨	OK
Pixel <u>D</u> iameter: *DEVICE*	Cancel
Device Alignment White	Re <u>v</u> ert
Luminance (CIE Y): 100.00	De <u>f</u> ault

### Halftone Pattern

Select the size of pixels to be used for halftone.

Selecting larger size pixels results in a rough image, which is suitable for printing of wider area. Enhanced patterns, which allow printing an image of higher resolution using a same number of pixels, may cause random lines or patterns and moire.

### Device Gamma

Adjust the gamma (strength of colors) of printing image.

### • Pixel Diameter

Adjust the density of a printing image. Specify the size of pixels by moving the slide bar. One of the two methods, specifying pixel size by inch or by ratio to the printer resolution (in per cent), is selectable.

### • Luminance (CIE Y)

Adjust the luminance of a printing image.

### **2** Duplex Unit

Check this checkbox if an optional duplex printing unit (DA-MD200) is installed. Duplex printing function is now enabled.

### **③ Output Tray**

If the Exit Tray (Inner) and the Dual-Path Exit Guide Unit (DA-XN200/FK200) are installed, select Inner Tray option. This allows specifying Inner 1 and Inner 2 as the output tray for the printer output.

If the 1-Bin Finisher or Exit Tray (Outer) (DA-FS200/XT200) is installed, select Inner Tray option + Finisher/Outer Tray option. This allows specifying Inner 1, Inner 2, and Outer as output tray for the printer output. Also, the stapling function becomes available if the Inner Tray option and Finisher/Outer option are enabled.

### **(4)** Number of Paper Tray

Select the number of available paper tray(s) for the printer if an optional Paper Feed Module is installed.

### **(5)** Printer/Fax Memory

Select the size of the Expansion Flash Memory Card or whether a Fax Option (2MB) has been installed, to enable Security Print.

### **6 Security Print Password**

Set the password for Security Print.

NOTE

- **Device Settings** Tab specifies device-specific settings and settings of optional devices. Refer to operation manuals of the optional devices, or on-line manuals for settings items.
- Settings specified in this section are saved as standard (default) settings of the printer.

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

Changes the printer settings. Display the printer settings dialog box by the steps below:

1	Select <b>Print</b> in the <b>File</b> menu of an application.
2	Click the Properties button of the print dialog box.
3	The dialog box for printer properties appears. Click the top tab of the dialog box and specify the properties.

NOTE

 In Windows 2000, setting the properties depends on the log-in accounts. This section describes properties to be specified by a user, upon executing a print operation on an application. See "Settings Printer Driver on Windows 2000 (Administrator)" for details of administrator (system manager) properties. (See page 57)

### General Tab

Select Printer   Add Printer     Add Printer     Page Range                       Page Range                    Page Range       Selection       Current Page          Current Page                                   <		General Layout Paper/Quality	? ×
Location:     Find Printer       Comment:     Image: Comment Page	(	Add Printer Panasonic	
○ ▲       ▲       Number of gopies:       1 ⇒         C Selection       C Current Page       □ Cgliate       □         C Pages:       □ Cgliate       □       □		Location: Comment:	Fin <u>d</u> Printer
	(	C Selection C Cyrrent Page	Number of copies: 1

### **(1) Select Printer**

Select a printer for printing.

### 2 Page Range

Select a page range for printing.

### **③ Number of copies**

Specify the number of copies.

### (4) Collate

Upon printing two or more copies, pages are output for each copy.

### ■ Layout Tab

Ponosonic DP-2500 (US) Document Properties      Layout Paper/Quality      Dientalion      Potrad      Landicape      Privion 88 dols Sides[Dupleo]      None      Figo on Long Edge      OK Cancel
----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

### 1 Orientation

Select portrait (vertical) or landscape (horizontal).

### ② Print on Both Sides (Duplex)

Specify duplex printing for printing on both sides. Select the binding side (None/Flip on Short Edge/Flip on Long Edge) for duplex printing.

Note 1) Duplex Printing on post card is not allowed.

- Note 2) Duplex Printing is allowed only with the Dual-Path Exit Guide Unit, Paper Transport Unit and Automatic Duplex Unit (DA-FK200/FK210/MD200) mounted.
- Note 3) Check [Duplex Unit] check box in Device Options Tab.

### 3 Advanced... button

Specify detailed settings. Refer to Advanced (See page 70) for details.

### Paper/Quality Tab



### **1** Paper Source

Specify an input tray. Selecting **Auto Selection** allows automatic selection of an input tray according to the paper size.

### 2 Advanced... button

Specify detailed settings. Refer to Advanced (See page 70) for details.

### Advanced



### **1** Paper Size

Select a paper size.

### **(2)** Resolution

Select resolution of the printer (600dpi/300dpi).

### (3) Scaling

Specify a custom zoom when printing a document by zooming in/out at a desired rate. If the zooming rate is specifiable on an application, specify "100%" (same size) here. Specify a zooming rate in the print dialog box of the application.

### **(4)** Metafile Spooling

With Metafile Spooling enabled, a file is spooled in EMF format (metafile compression). With the function disabled, a file is spooled in RAW (non-compression) format. Specifying RAW format results in a longer time before an application becomes operational after printing on the application.

Note: Spooling by EMF format may cause the following problems on some application software.

- 1) Printing result is different from screen display.
- 2) Printing requires excessive time.

### (5) N in 1

For printing two or more pages on one sheet, specify a printing method.

Layout is selected by combining with **Orientation.** Each layout is displayed with an icon.

2 in 1: Print 2 pages of manuscripts zoomed out by 65 or 71% on one sheet.

4 in 1: Print 4 pages of manuscripts zoomed out by 50% on one sheet.

### **(6)** Binding Margin

Select for ensuring the binding margin upon duplex printing.

Specifying **On** for **Binding** moves a printing area vertically or horizontally (for ensuring binding margin). For specifying a margin in consideration of a double-page spread printing on application, specify **Off** for **Binding**. Width of binding margin is specified on the main unit. (See page 30, copy section)

### **⑦** Staple

Specifying staple printing is allowed if the output bin is set to outer.

Note 1) Staple printing is allowed only with the Electronic Sorting Board (DA-ES200 : For DP-2000 only) and 1-Bin Finisher (DA-FS200) mounted.

Note 2) Paper is stapled at the top left or at the top right. (See table below.)



### **(8)** Output Tray

Specify the output destination. <Auto Selection, Outer, Inner 1, or Inner 2>

Note 1) Output Tray selection is allowed only with the Dual-Path Exit Guide Unit, Paper Transport Unit, Exit Tray (Outer) or 1-Bin Finisher (DA-FK200/FK210/XT200/FS200) is installed.

Note 2) Post card cannot be output from the outer tray.

### **9 Secure Print**

Select to enable Security Print.

### **10 Halftone Color Adjustment**

-	
Halftone Color Adjustment: Panasonic DP-2500	? ×
Contrast:       0 <	OK Cancel Default
Black Ref 0.000 ▲ ▶ White Ref: 1.000 ▲ ▶	Re <u>v</u> ert
Picture:         2: RGB Test Colors         36x33, 256 @8 → 379x347	<u>0</u> pen
✓ View	<u>S</u> ave As

### Contrast

Adjust the contrast of the printing image.

• Brightness

Adjust the lightness of the printing image.

• Dark Picture

Check to print a dark image into light image.

Negative

Check to print in reverse.

Input RGB Gamma

Adjust the gamma (strength of colors) in the printing image. Red, green and blue colors can be individually adjusted.

• Black Ref/White Ref

Adjust the difference between the darkest color and the lightest color in an image. Increasing the black ref value or decreasing the white ref value strengthens the contrast of an image, narrowing the range of middle colors in the meantime.

• Picture

Select a test pattern.

Checking the checkboxes displays results of halftone adjustments on the test pattern.
## Installation and Configuration (Windows 2000)

## **Setting Print Conditions: Setting on the Device**



Setting mode	Settings	Preset value number
00 PRINTER OUTPUT TRAY	Set the printer paper priority accommodation position. Outer/Inner 2/Inner 1	Inner 1

# **Print Operation**

## **Printing from Windows Applications**

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.

To print from most Windows applications, use the **Print...** command on the **File** menu. Selecting the **Print...** command typically displays the following Print dialog box:

Print		? 🗙
Printer		
<u>N</u> ame:	Panasonic DP-2500	Properties
Status: Type:	Default printer; Ready Panasonic DP-2500	
Where: Comment:	LPT1:	Print to file
Print range	,	Copies
• <u>A</u> I		Number of <u>c</u> opies: 1
C Pages C <u>S</u> elec		11 22 33 Collate
		OK Cancel

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

While documents are being printed, a printer indicator remains displayed on the left side of the clock on the task bar. The indicator disappears when printing is completed.

NOTE

Follow the steps below to set a default printer:

- Click the Start button and select Printers in the Settings menu.
- Select the printer icon in the window and select [Set As Default] in dropdown menu by right-clicking it. Then the check mark is displayed.

## **Print Operation**

#### **Printing on Network**

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

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

The settings for printer sharing is specified by the following steps:

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

1	Install the printer driver on a computer to be connected to the main unit.
2	Click the Start button, place the cursor on Settings, and then click Printers.
3	Select the printer icon and select [Sharing] in the dropdown menu by right-clicking it.
4	Select <b>Shared As</b> in the properties dialog box.
5	Click the OK button.
Upo	n completion of the settings, the shape of the icon changes displaying sharing settings.

#### NOTE

- Refer to manuals of network cards and Windows users guide for connection among computers.
- On Windows 95/98/Me, a computer connected to a printer must have been set up to allow printer sharing by the following operations:
  - 1. Double-click on **Network** in control panel, and then click File and Print Sharing... button in the **Network Configuration** tab.
  - 2. Check [I want to be able to allow others to print to my printer(s).] in the File and Print Sharing dialog box.

## **Print Operation**

1	Click Start button, place cursor on Settings and then click Printers.
2	Double-click <b>Add Printer</b> in the printers folder. Add Printer Wizard appears. Click the Next button.
<b>२</b>	Select Network Printer.
	Click the <u>Next</u> button. Specify the other computer's printer by entering the network path.

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

**Digital Copier** 

# **Class 2 Fax Modem Section** DP-2000/2500/3000

## Installation (Windows 95/98/Me)

The installation is required for transmitting/receiving of Faxes with a PC using general-purpose PC fax function software (recommended: WinFax PRO 10.0).

#### Class 2 Fax Modem



Select **Settings** from the **Start** menu and open the **Control Panel**.

Double-click the Add New Hardware icon.

2	Add New Hardware Wiz	ard This wizard installs the software for a new hardware device. Before continuing, close any open programs. To begin installing the software for your new device, click Next.	Click the <u>Next</u> button.
		< Back Next > Cancel	

<text><text><text><text><text><text></text></text></text></text></text></text>	Click the Next button.
Add New Hardware Wizard Is the device that you want to install listed below? No. the device isn't in the list. Select the device is in the list. Select the device that you want to install, and then click. Next.	<ol> <li>Select No, the device isn't in the list.</li> <li>Click the Next button.</li> </ol>
Bevices:     Advanced Power Management support     Section 2.2     Cancel	(This screen will only appear if a new device is found.)
Add New Hardware Wizard         Windows can now search for hardware that is not Plug and Play compatible, or you can select your hardware from a list.         Windows detects new hardware, it automatically determines the current settings for the device and installs the correct driver. For this reason it is strongly recommended that you have Windows search for your new hardware?         Out you want Windows to search for your new hardware?         Image: Search of the device and installs the correct driver. For this reason it is strongly recommended that you have Windows search for your new hardware?         Image: Search of the device and installs the correct driver. For this reason it is strongly recommended that you have Windows to search for your new hardware?         Image: Search of the device and installs the correct driver. For this reason it is strongly recommended that you have Windows to search for your new hardware?         Image: Search of the device and installs the correct driver. For this reason it is strongly recommended that you have Windows to search for your new hardware?         Image: Search of the device from a list	<ul> <li>③ Select No, I want to select the hardware from a list.</li> <li>④ Click the Next button.</li> </ul>
<u>⟨Back Next&gt;</u> Cancel (Windows 98/Me only)	

Class 2 Fax Modem Section

Add New Hardware Wizard         Select the type of hardware you want to install.         Hardware types:         Modem         Monitors         Multi-function adapters         Wulti-function adapters         Other devices         Other devices         Other devices         State (DTM & LPT)         Finiter         State (DTM & LPT)         Finiter         State (DTM & LPT)	<ol> <li>Select Ports (COM&amp;LPT).</li> <li>Click the Next button.</li> </ol>
Add New Hardware Wizard         Image: Select the manufacturer and model of your hardware.         If your hardware is not listed, or if you have an installation disk, click Have Disk. If your hardware is still not listed, click Back, and then select a different hardware type.         Manufacturers:       Models:         Istandard port Wates:       Communications Port         Conexant Systems, Inc.       ECP Printer Port         Hewlett Packard       Printer Port         Have Disk       Have Disk	<ol> <li>Select Communications Port.</li> <li>Click the Have Disk button.</li> </ol>
<ul> <li>① Enter D:\Setup. (Where "D" is your CD-ROM drive.)</li> <li>② Click the OK button.</li> </ul>	
8 Click the Next button.	
Gick the Next button.	
Click the Finish button.	
Click the Yes button and restart the PC	2.



Install New Modem         Image: Display black of the provided instance of the provided i	<ol> <li>Select Don't detect my modem; I will select it from a list.</li> <li>Click the Next button.</li> </ol>
Install New Modem         Image: Second Sec	①Click the Have Disk button.
16 Install From Disk Insert the manufacturer's installation disk into Insert the drive selected, and then click DK. Cancel Copy manufacturer's files from: <u>Diverglish/Setup</u> <u>B</u> rowse	<ol> <li>Enter <b>D:\English\Setup</b>. (Where "D" is your CD-ROM drive.)</li> <li>Click the OK button.</li> </ol>
Install New Modem         Image: Click the manufacturer and model of your modem. If your modem is not listed, or if you have an installation disk, click Have Disk.         Models         Panasonic DP-130 Class 2 Fax Modem         Panasonic DP-130 Class 2 Fax Modem         Panasonic DP-150 Class 2 Fax Modem         Panasonic DP-2000 Class 2 Fax Modem         Panasonic DP-3000 Class 2 Fax Modem	<ol> <li>Select Panasonic DP-2000, DP-2500 or DP-3000 Class 2 Fax Modem.</li> <li>Click the <u>Next</u> button.</li> </ol>



## Installation (Windows NT 4.0)

Installing the Panasonic Class 2 Fax Modem. The installation is required for transmitting/receiving Faxes with a PC, using general-purpose PC fax function software (recommended: WinFax PRO 10.0).

#### Class 2 Fax Modem



5 Install From Disk Insert the manufacturer's installation disk into the drive OK Cancel Copy manufacturer's files from: Browse Browse	<ol> <li>Enter D:\English\Setup. (Where "D" is your CD-ROM drive.)</li> <li>Click the OK button.</li> </ol>
Install New Moden         Image: Click the manufacturer and model of your modem. If your modem is not listed, or if you have an installation disk, click Have Disk.         Models         Panasonic DP-130 Class 2 Fax Modem         Panasonic DP-130 Class 2 Fax Modem         Panasonic DP-130 Class 2 Fax Modem         Panasonic DP-200 Class 2 Fax Modem         Panasonic DP-200 Class 2 Fax Modem         Panasonic DP-200 Class 2 Fax Modem         Panasonic DP-3000 Class 2 Fax Modem         Have Disk	<ol> <li>Select Panasonic DP-2000, DP-2500 or DP- 3000 Class 2 Fax Modem.</li> <li>Click the Next button.</li> </ol>
Install New Modem         Vou have selected the following modem:         Panasonic Class 2 Fax Modem         On which ports do you want to install it?         Image: Im	<ol> <li>Select the COM port shown at the bottom of the COM ports list.</li> <li>Click the Next button.</li> </ol>
Sector       Install New Modem         Your modem has been set up successfully.         Your modem has been set up successfully.         If you want to change these settings, double-click the Modern icon in Control Panel, select this modern, and click Properties.         Image: A section of the modern icon in Control Panel, select this modern, and click Properties.	Click the Finish button. • Installation of the modem is completed.

9	Modems Properties ? X General
	The following modems are set up on this computer:
	Modem Attached To
	Add <u>R</u> emove <u>Properties</u>
	Dialing from: New Location Use Dialing Properties to modify how your calls are dialed. Dialing Properties
	Close Cancel

Close the Modems Properties screen.

## Installation (Windows 2000)

Installing the Panasonic Class 2 Fax Modem. The installation is required for transmitting/receiving FAX's with a PC, using a general-purpose PC fax function software (recommended: WinFax PRO 10.0).

#### Class 2 Fax Modem



Add/Remove Hardware Wizard	(1) Select Add a new device.
Choose a Hardware Device Which hardware device do you want to troubleshoot?	2 Click the <u>Next</u> button.
The following hardware is already installed on your computer. If you are having problems with one of these devices, select the device, and then click Next. If you are attempting to add a device and it is not shown below, select Add a new device, and then click Next. Devices and then click Next. Add a new device Add a new device Add a new device Add a new device Devices System time Direct memory access controller System time Direct memory access controller Direct me	
Ket       Next>       Cancel         Add/Remove Hardware Wizard       Image: Constraint of the constraint of	<ol> <li>Select No, I want to select the hardware from a list.</li> <li>Click the Next button.</li> </ol>
Kext     Cancel       Add/Remove Hardware Wizard     Exact       Hardware Type     Exact       What type of hardware do you want to install?     Exact       Select the type of hardware you want to install.     Exact       Hardware types:     Infrared devices       Infrared devices     Memory technology driver.       Montemer     Montemer	<ol> <li>Select Modems.</li> <li>Click the <u>Next</u> button.</li> </ol>
Modema	

Add/Remove Hardware Wizard         Intal New Mode         Do you want Windows to detect your modem?         Image: State of the st	<ol> <li>Select Don't detect my modem; I will select it from a list.</li> <li>Click the Next button.</li> </ol>
Add/Remove Hardware Wizard         Install New Modem         Image: Select the manufacturer and model of your modem. If your modem is not listed, or if you have an installation disk, click Have Disk.         Manufacturers:       Models:         Image: Select Model of your modem is not listed, or if you have an installation disk, click Have Disk.         Manufacturers:       Models:         Image: Select Model of your modem is not listed, or if you have an installation disk, click Have Disk.         Select Model of your modem is not listed, or if you have an installation disk, click Have Disk.         Standard 2000 bps Modem         Standard 14400 bps Modem	Click the Have Disk button.
Install From Disk       ▼         Insert the manufacturer's installation disk into the drive selected, and then click OK.       OK         Copy manufacturer's files from:       ▼         DATErrolishNseture       ▼	<ol> <li>Enter D:\English\Setup. (Where "D" is your CD-ROM drive.)</li> <li>Click the OK button.</li> </ol>

11	Add/Remove Hardware Wizard Install New Modem	(1) Select Panasonic DP-2000, DP-2500 or DP-3000 Class 2 Fax Modem.
• •	Select the manufacturer and model of your modem. If your modem is not listed, or if you have an installation disk, click Have Disk.	2 Click the Next button.
	Modejs: Panasonic Class 2 Fax Modem Panasonic DP-150 Class 2 Fax Modem Panasonic DP-150 Class 2 Fax Modem Panasonic DP-2000 Class 2 Fax Modem Panasonic DP-2000 Class 2 Fax Modem Panasonic DP-3000 Class 2 Fax Modem	
	Have Disk	
12	Add/Remove Hardware Wizard Install New Modem Select the port(s) you want to install the modem on.	<ol> <li>Select the COM port shown at the bottom of the COM ports list.</li> </ol>
	You have selected the following modem: Panasonic Class 2 Fax Modem On which ports do you want to install it? All ports Comt Comt	2 Click the <u>Next</u> button.
	< Back Next > Cancel	



(1) If a warning message for logo certification appears, click the Yes button and continue installation.



- 2 Click the Finish button.
  - Installation of the modem is completed.

NOTE

**Digital Copier** 

# Document Management System Section DP-2000/2500/3000

# Installing the Document Management System

1	Insert the provided CD-ROM.
2 Panasonic > English > Français > Deutsch > l'italiano > Español	Select the language.
33 Panasonic The panasonic for purchasing this Panasonic Product. This software contains versatile utilities, which has been specifically designed to meet our customers needs. Before installing this software, we strongly recommend you read "Read Me First" document. Note: Not	Click the Next button.
Panasonic Panasonic Document Management System	Click Install PDMS software.
InstallShield Wizard       Image: Choose Destination Location         Select folder where Setup will install files.       Image: Choose Destination Location         Select folder where Setup will install files.       Image: Choose Destination Folder.         Setup will install chis folder, click Next. To install to a different folder, click Browse and select another folder.       Destination Folder         Destination Folder       C:\Program Files\Panasonic\Panasonic-DMS       Browse         Invest@Filed       (Beck: Next)       Cancel	Verify the installation destination and click the Next button.

## Installing the Document Management System

InstallShield Wizard       Image: Comparison of the model         Select the model.       □         □       DP-2000         □       DP-2500         □       DP-3000	Check the model and click the <u>Next</u> button.
InstallShield Wizard       Image: Comparison of Comparison o	Click the <b>Typical button.</b>
InstallSheld Wizard       ▼         Select Program Folder       Image: Compare Folder issted below. You may type a new folder name. or select one from the existing folders isst. Click Newt to continue.       Compare Folder:         Compare Folder:       Image: Compare Folder issted below. You may type a new folder name. or select one from the existing folders isst. Click Newt to continue.       Continue         Parent Compare Folder:       Image: Compare Folder       Image: Compare Folder         Committee Transme       Accessionie       Accessionie         Accessionie       Accessionie       Image: Compare Folder         Incontrol Tools 38       Image: Compare Folder       Image: Compare Folder         Incontrol Tools 38       Image: Compare Folder       Image: Compare Folder         Incontrol Tools 38       Image: Compare Folder       Image: Compare Folder         Incontrol Tools 38       Image: Compare Folder       Image: Compare Folder         Incontrol Tools 38       Image: Compare Folder       Image: Compare Folder         Incontrol Tools 38       Image: Compare Folder       Image: Compare Folder         Incontrol Tools 38       Image: Compare Folder       Image: Compare Folder         Image: Compare Folder       Image: Compare Folder       Image: Compare Folder         Image: Compare Folder       Image: Compare Folder       Image: Compare Folder	Enter the program folder name and click the Next button.
InstallShield Wizard       Image: Setup Status         Setup Status       Image: Setup Status         Panasonic Document Management System Setup is performing the requested operations.       Installing: MFP Utilities         ChVPanasonic/Panasonic/DMSVMFP Utilities/MI/pDIMing exe       T1%         InstallShield       Cancel	The required files are copied.

## **Installing the Document Management System**

	10	InstallShield Wizard InstallShield Wizard Complet The InstallShield Wizard has succ Document Management System. program, you must restart your cor () Yes, I want to restart my computer () No, I will restart my computer () No, I will restart my computer () Remove any disks from their drive complete setup.	essfully installed Panasonic Before you can use the nputer. uter now.
--	----	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------

Click the Finish button.

The Panasonic Document Management System folder is added to the Start menu, and the installation is completed.

• When installing on Windows NT4.0, log in using an account with the authority to change system settings (e.g. Administrator).

 Standard installation method installs all of the following drivers and applications. Selecting the custom installation allows the selected installation of scanner and MFP utilities individually.

- Scanner		
Document Scanner	(TWAIN scanner driver)	(See page 112)
- Manager		
Document Manager	(Image management application)	(See page 97)
Document Viewer	(Image editing application)	(See page 119)
- MFP utility		
Status monitor (Devi	ce status monitor)	(See page 140)
Configuration Editor		(See page 145)
Phone Book Editor		(See page 153)

• By installing this software, the system selects LPT1 as the parallel port to be connected to the device. For connecting the device to a port other than LPT1, change connection ports by selecting [Panasonic], [Panasonic Document Management System], and [Port Selection Utility] from the Start menu.

• Before updating the software, be sure to delete the older version of software.

- Take the following steps to install the software on Windows 2000:
  - 1. For installation, log in using an account with the authority to change system settings (e.g. Administrator).
  - 2. Restart Windows after completion of installation.
  - 3. After restart, log in again using an account with the authority to change system settings (e.g. Administrator).
  - 4. After completion of installation, normal operation is enabled by logging in with an ordinary user account.

## Main Window

Document Manager is an application for managing image files. By utilizing the Document Manager and Document Viewer (see page119) in combination, a number of image files can be classified, managed, browsed, and edited.

Selecting Panasonic  $\rightarrow$  Panasonic Document Management System  $\rightarrow$  Document Manager in **Programs** of the **Start** menu displays the main window of the Document Manager.



#### **1** Title Bar

Displays the title of a screen.

#### 2 Menu Bar

Displays the menu of the Document Manager.

#### **③Tool Bar**

Displays the tool buttons of the Document Manager. Tool buttons correspond to functions of the menus in the menu bar.

#### 4 Folder Window

Displays the folders containing the documents in tree form.

#### 5 Link Icon

Dropping a dragged document onto a link icon, an application corresponding to the function of the icon is activated.

#### **6 Status Bar**

Displays information such as the number of documents in a folder, the number of selected documents, and file sizes, etc.

#### **⑦ Document Window**

Displays a list of documents in the selected folder.

Documents are displayed in thumbnails (reduced images). Page number and  $\checkmark$  and  $\blacktriangleright$  buttons are displayed at the bottom of a thumbnail image for grouped documents (configured with two or more pages). Clicking the buttons turns the pages.

## **Basic Operations**

The Document Manager allows editing and managing documents displayed in thumbnail images by dragging and dropping. The function enables various operations as described below:

#### Selecting documents

Clicking thumbnail images in the document window allows selection of documents. Dragging a mouse cursor on the screen or clicking with the Shift key held down allows selecting two or more documents at one time.



#### Editing documents

Double-clicking thumbnail images in document window activates Document Viewer (See page119), allowing opening and editing documents.



#### Copying/Moving Documents

Dragging a thumbnail image in document window and dropping it onto a folder in the folder window allows moving the document to the folder. Dragging & dropping with the Ctrl key held down copies a document.



Dragging a document and dropping it onto another document in a document folder results in grouping the two documents together.



Dragging a document and dropping onto a link icon activates an application corresponding to the function of each icon.

Link icons are registered and deleted by selecting Launch to another application  $\rightarrow$  External Application Setup in the File menu.



## **Setting Plug-in**

#### Import document (from scanner)

Selecting **Acquire Image...** in the **File** menu displays a window for the Document Scanner (See page112). The operation imports a document read on the scanner into a folder.

#### Import document (from file)

Selecting **Open** in the **File** menu displays a dialog box for selecting files. The dialog box allows importing image files saved in a computer as documents onto a folder.

An attempt of importing files that cannot be handled by Document Manager results in displaying an error shown below. Press **OK** and verify a file format.

Documer	nt Manager 🛛 🕅
	'C:\Program Files\Panasonic\Panasonic-DMS\Manual\Panasonic-DMS 01.pdf'. cannot be imported.
	<u> </u>

Dragging and dropping a selected document onto a link icon at the bottom of the window activates an application specified for the link icon, and opens the image file.

The link icons are freely registered by selecting Launch to another application  $\rightarrow$  Destination Setup in the File menu.

The following applications are specifiable as destinations of the Document Manager:

• Draw/Graphics software (Applications such as MS-Paint, Photoshop, etc.)

Annotation	: Paste to transmission image as an image.
File format	: Select one among TIFF, JPEG, BMP, and PNG.
Compression	: Select the compression method.
Image type	: Select one among monochrome, grayscale, RGB color and no conversion.
Resolution	: Resolution of transmission image
Correct	: <correct skew=""></correct>
	Inclination of document can be automatically corrected.
	<eliminate noise=""></eliminate>
	Noise on document can be removed.
Original document	: If edited and saved (overwriting) on destination application, editing result is saved
	on original document.
Transmission check	: Set the number of the maximum displayable active windows.
message	

<ul> <li>OCR software (App</li> </ul>	plication such as e-Typist, etc.)
File format	: Select one among TIFF, JPEG, BMP, PNG.
Annotation	: Paste to transmission image as an image.
Image type	: Select one among monochrome, grayscale, RGB color and no conversion.
Resolution	: Resolution of transmission image
Correct slant	: Inclination of document can be automatically corrected.
Eliminate noise	: Noise on document can be removed.
<ul> <li>PC-FAX software</li> </ul>	
File format	: Select one among TIFF, JPEG, BMP, and PNG.
Annotation	: Paste to transmission image as an image.
Image type	: Select one among monochrome, grayscale, RGB color and no conversion.
Resolution	: Resolution of transmission image

- Correct slant : Inclination of document can be automatically corrected.
- Eliminate noise : Noise on document can be removed.
- E-Mail software (MAPI-compatible mail application such as MS-Outlook, MS-Exchanger, etc.)

File format	: Select one among TIFF, JPEG, BMP, and PNG.
Annotation	: Paste to transmission image as an image.
Image type	: Select one among monochrome, grayscale, RGB color and no conversion.
Resolution	: Resolution of transmission image
Correct slant	: Inclination of document can be automatically corrected.
Eliminate noise	: Noise on document can be removed.

#### • Others

Only program activation occurs on applications other than above.

NOTE

 Document Viewer provides a function to add various graphics and texts to an image. The graphics and texts added to an image are called "Annotation." See "Annotation Menu" (see page 129) for details of annotation.

<u>0</u>K

<u>C</u>ancel

### **File Menu**

#### ■ New Folder

Create a new folder under a folder that is currently selected. Path of a folder to be created can be specified as required.

#### Open

An image file saved in the computer and can be imported into a folder as a document.

Files of the following formats can be opened in the Document Manager:

- **TIFF** : Tagged-Image File Format (TIFF)
- JPEG : Joint Photographic Experts Group (JPEG) format
- BMP : Windows standard bitmap format
- **PNG** : Portable Network Graphics format
- DDM : Document Manager file format

#### Save As

A document is saved as an ordinary image file under a specified name.

Document Manager saves a file in the following formats:

- TIFF : Tagged-Image File Format (TIFF)
- JPEG : Joint Photographic Experts Group (JPEG) format
- **BMP** : Windows standard bitmap format
- PNG : Portable Network Graphics format
- DDM : Document Manager file format



C:\Program Files\Panasonic\Panasonic-D Browse... ? × - 🖻 🖉 🖻 📰 🏢 Look in: 🔄 Windows 智 Setup.bmp 智 Straw Mat.bmp 웹 Tiles.bmp 웹 Triangles.bmp Blue Rivets.bmp 🖥 Bubbles.bmp 11 Bubbles.bmp 21 Carved Stone.bmp 21 Circles.bmp 22 Houndstooth.bmp 22 Pinstripe.bmp 🖥 Waves.bmp File <u>n</u>ame: <u>O</u>pen Windows bitma Cancel Files of type: 

Create New Folde

Folder <u>N</u>ame

New Folder

Folder Path

<b>D</b>	
Ĕ	ſ
Ð	<u></u>
aç	С,
an	Č V
ž	5
H	en
ē	st
Ξ	Š
บ	0)
0	

#### Rename

Change the name of a document.



Document Name:

Type: Size:

Resolution:

Data size:

Document Desktop

Location

Current page properties

Printer Driver

Full Color

404 x 445 pixel

Cancel

96 x 96 dpi 527KB

#### Properties

Display the file properties.

Number of pages: Type:	1 page Full Color		
Data size:	527KB		
Modified:		000 10:42:26 AM	
Document Scanner DP-25	00		
Image Type Monochrome			
Resolution 75x75 (dpi) Paper Size Letter	<b>*</b>	Antimitation of the second	
Slice Level	Lock		
Brightness		10 million	
Contrast I	Edge Enhancement	15	
Output Size			
W x H : 216.0 x 279.0	Image Size : 64 KB	50 International Sciences	
	Unit mm 💌	25	
		-	
Scan Preview	Zoom In Zoom Out		
Salaat Sauraa			
Select Source			
	_		
Sources:	nner		
Sources: Document Sca	Inner		
Sources: Document Sca Panafax Twair	nner Driver		
Sources: Document Sca	nner Driver		

#### ■ Select Source

■ Acquire Image...

Select a TWAIN-compatible device for scanning documents.

Using a scanner, etc. selected in Select Source, import

a document to a folder that is currently selected.

NOTE

• See "Document Scanner" (See page112) for operation of scanner.

#### Print

Print a document selected in the document window.



Print Setup		x
Printer:Panasonic DP-2500		Printer Setup
	1 <u>H</u> orizontal Position	Left End
$  \Delta \rightarrow  $	Vertical Position	Upper End 💌
	2 Print Size	Fit To Paper Size 💌
•	(3) <u>N</u> in 1	None
	Print Annotation	✓ Print <u>I</u> ag
	Print Page Erame	
	_	
	<u>OK</u>	1

#### Print Setup

Specify layout and printing size for a document to be printed.

#### (1) Horizontal Position and Vertical Position Adjust the printing position on a sheet.

#### 2 Print Size

Select printing in original size or printing in accordance with the sheet size.

#### ③ N in 1

Select for printing reduced pages on one sheet.

NOTE

• **Print Setup** specifies printing or not printing annotations edited in the Document Viewer. See "Annotation Menu" (See page 129) for details of annotation.

#### ■ Launch to another application

Opens a document selected in the document window with a specified application.



Selecting **External Application Setup** displays a dialog box for adding/changing/deleting the application.

External Application Setup	×
List	
🍟 Mspaint 📃	Add
	<u>D</u> elete
	<u>M</u> odify
	Move <u>up</u>
	Move do <u>w</u> n
	<u>C</u> lose

C OCR C Others

∏ <u>P</u>aste

None

No Co

No Co

Up<u>d</u>ate

✓ Displays

Г

Eliminate <u>N</u>oise

Windows Bitmaps (*.bmp)

C E-Mail

(4)r

C PC-Fax

Paste T

Correct Skew

When 1 📑 or mo

<u>C</u>ancel

Browse.

Close Detai

-

....)

•

Clicking the **Add** button displays a dialog box to Add External Application.

#### 1 Name

If an external application is specified, the name in this field appears on a link icon.

#### ② Application Type

Specify the application type.

③ Program File

Specify the execution file of an application.

#### (4) MAPI Correspondence

Check here if the E-mail application is compatible with MAPI.

#### **(5)** Parameter

If the E-mail application is incompatible with MAPI, adding a parameter here allows automatic activation of a transmission screen.

NOTE

• See "Setting Plug-in" (See page101) for specifying an external application.

Add Exte

2 Application Type

3 Program Eile

Annotation

File Formal

Compre

Image Type

Resolution

Original Do

Correct

5

(1) <u>N</u>am

#### Trash Can

#### **Open Trash Can**

Opens the Trash Can and displays any files. Selecting documents and clicking the Undo button restores documents that have been discarded.



#### **Empty Trash Can**

Deletes the files in the Trash Can. If the documents are emptied from the Trash Can, they are permanently deleted. They are not stored in the Recycle Bin.



## **Edit Menu**

#### Undo

Undo the last editing operation done.

#### Cut

Delete a selected document from a folder and copy it to the clipboard.

#### ■ Сору

Copy a selected document onto the clipboard.

#### Paste

Paste a document from the clipboard onto a selected folder.

#### Delete

Delete a selected document from a folder to the Trash Can. A confirmation message for deletion appears.

#### Select All

Select all documents in the folder.

#### Find

Search for documents by specifying a document name, creation date, or character string in the document.







• See "Annotation Menu" (See page 129) for details of annotation.
### **Document Manager**

### **View Menu**

#### ■ Tool Bar

Switch between displaying/hiding the tool bar.

#### Status Bar

Switch between displaying/hiding the status bar.

#### ■ List Format/Thumbnail Format

Switch between list display and thumbnail display in the document window.

# Document Manager				_ 🗆 🗵
<u>Eile Edit ⊻iew Document Help</u>				
0 0 0 0 8 0 0 0 0 0 0		× 🖻 🖻 🖻	0 8 8 8 10	1 🕫 🖻
	Document Name AI	Number	Size type	Revised Date
	Dog 🗋		88KB Full Color	00/04/09 PM 03:59
	No name		30KB GrayScale	00/05/23 AM 08:37
🗂 Plan-C	No name	2 1	36KB Monochrome	00/05/23 PM 05:38
Trash Can Print Mspain	nt			
Plan-A, 4Individual documents	No name, Monochrom	e	136KB	

#### Arrange Documents

Arrange documents in the document window by specified order. Sorting by name, by type, by size, or by date is selected.

#### ■ Line Up Documents

Line up the documents in the document window.

### **Document Manager**

### **Document Menu**

#### Open

Open a selected document. Activates the Document Viewer (See page 119) and opens a document for editing.



#### Duplicate

Makes a copy of the selected document in a folder.



#### ■ Rotate Object

Rotate the selected document.

90° Clockwise

180°

90° Counterclockwise



### Group Object

Makes a group of two or more selected documents. The grouped documents are indicated by page number and and buttons at the bottom of a thumbnail image. Clicking the buttons turns the pages.



### **Document Manager**

#### Ungroup

Cancel the grouping for grouped documents. Either dividing all pages into individual documents or releasing only specified documents from a group can be selected.



#### Enhancement

Apply the following correction to a selected document:

Correct Skew	: Detect any inclination of a	
	document and automatically	
	correct it.	
Enhance Edge	: Enhance edge (border) of	
	image.	
Eliminate Noise	: Remove noise on a document.	
Invert Colors	: Display image in reverse.	

#### Page

Select pages to be displayed in thumbnail among grouped documents.



Selecting **Rearrange Pages** displays the page sorter dialog box. The order of the pages are changed by selecting, dragging and dropping the pages.



### **Main Window**

Upon image scanning, an image is imported directly into a document using a TWAIN-compatible application (image editing software, etc.).

Selecting **Acquire Image...** in the **File** menu displays a dialog box for the Document Scanner.

NOTE

• The menu for operating the Document Scanner (scanner driver) depends on the application. Refer to the manuals of the application for details.

• If a TWAIN-compatible application has not been installed, select **Document Scanner** from the **Start** menu.

#### **1 Preview Window**

Displays an image after preview-scanning. The scanning area (black frame) is specified on the displayed image.

Dragging the mouse in the preview window allows specifying the scanning area (black frame), changing the frame size, and moving the frame.

The black-frame area is displayed in values <Output Size>.

#### 2 Image Type

Select the type of image to be scanned. The following four types of image scanning are selectable:

#### • Monochrome image (no halftone correction)

A method suitable for an image containing mainly text and drawings. Select this type when halftone correction results in a blurred image.

#### • Halftone image (error diffusion)

This method, using no uniform pattern in halftone, is suitable for natural images such as photographs and produces smooth images. The method, although requiring somewhat large file sizes, produces high-quality images in comparison to the dither method.

#### • Halftone image (8x8 dot dither)

This method, which produces images with a unique uniform pattern, is suitable for photographs. This method, with somewhat lower image quality, reduces file sizes.

#### • Grayscale image (256 scales)

This method, best suitable to natural images such as photographs, produces tones with high fidelity by no halftone correction. Compared to halftone image scanning, this method requires longer scanning times and results in larger file sizes.

#### **③ Resolution**

Select the resolution for scanning. <Standard>, <Fine>, and <Super Fine> are resolution levels for FAX communication.

#### (4) Paper Size

Select the size of originals to be scanned. The size and orientation of the preview window changes according to the selected document size.

#### (5) Lock

Fixes the size of the scanning area (black border) in the preview window, disallowing changing the size.

#### **(6)** Slice Level (valid only when monochrome is selected)

Specify the value of distinction between monochrome for monochrome manuscript. Adjust the value according to density of a manuscript to be scanned.

- ⑦ Brightness (valid only when halftone or grayscale is selected) Adjust the brightness for halftone or grayscale documents.
- (8) Contrast (valid only when halftone or grayscale is selected) Adjust the contrast (difference between dark and light) for halftone or grayscale documents.
- (9) Invert

Scan the image in negative.

#### 1 Edge Enhancement

Scan the image with a highlighted edge.

#### **(1)** Output Size

Displays size of the scanning image and the size of the scanned file. The output size is determined by the size of the scanning area (black frame) in the preview window and the resolution.

#### 12 Unit

(13)

Select the unit of measurement (mm, inch, or pixel).

#### Scan **button**

Scan an image into the document desktop.

#### 14 Preview button

Perform preview scanning and display the image on the preview window.

#### 15 Zoom In / Zoom Out button

Zoom in/out for a preview-scan image.

### **Tool Menu**

#### Adjustment - Gamma Curve

Display a dialog box for adjusting the gamma (color strength characteristics) of an image. (valid only when halftone or grayscale is selected)

🖺 Gamma Curve	×
<u>G</u> amma O R	Gamma Curve
(-) • • (+)	
<u>Apply</u>	lose

Adjust the gamma curve by dragging the slide bar or entering a value.

Moving the slide bar in the + direction reduces the difference between the highlight (light portion) and halftone. Moving the slide bar in the - direction reduces the difference between the shadow (dark portion) and halftone. In either case, the halftone becomes less prominent.

Click the Apply button to apply the changes.

#### NOTE

**Adjustment** in the **Tool** menu becomes valid only if <Halftone> or <Grayscale> have been selected in <Image Type> on the main window.

#### Adjustment - Highlight and Shadow

Displays a dialog box for adjusting the highlight and shadow. (valid only when halftone or grayscale is selected)

🖳 Highligh	t & Shadow	×
<u>H</u> ighlight <u>S</u> hadow	<u>ا</u>	► 0 R
		<u>C</u> lose

Adjust the highlight and shadow by dragging the slide bar or entering a value. Enhancing the highlight (bright portion) and the shadow (dark portion) makes clear shades on an image. Click the Apply button to apply the changes.

#### Parameter Reset

Return all settings in the Document Scanner to standard settings (default).

### Image Scanning

Image scanning is performed by the following procedures:



Activate TWAIN-compatible application.

Select **Acquire Image...** in the **File** menu to display Document Scanner.

Specify the image type, resolution, and paper size of a document to be scanned.

Place a document on the Platen or ADF and click
the <u>Preview</u> button. A preview-scanned image is displayed in the preview window.

Document Sc <u>File I</u> col <u>H</u> elp	anner DP-25	00	-			_ X
Image Type <u>R</u> esolution Pgper Size Slice <u>L</u> evel	Monochrom 75x75 (dpi) Letter	•	▼ ▼ ▼ ↓ 9		Panafax Panafax Turking the second se	
Brightness Contrast Ingert C Output Size W x H : 216.0 :	۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲ ۲	Edge Enhance Image Size : Unit	64			
Scan	Preview	Zoomjn	Zoom	Lut		

# 5

Apply the following adjustments on the preview image:

- Drag the scanning frame (black frame) on the preview window to specify the scanning area. If an area has already been selected, doubleclicking with Shift key held down selects the whole image.
- Clicking Zoom In / Zoom Out button zooms in/out a preview-scan image.
- Adjust the threshold value, brightness, and contrast (difference between dark and light portions) as required.



Click the <u>Scan</u> button to scan an image into the document desktop.



NOTE

- Adjust parameters for an optimum scanning image, with the view on preview image. Preview scanning can be repeated any number of times.
- Image scanning is only possible by the PC that the device is connected to directly through the parallel port.

### **Main Window**

The Document Viewer is an application for editing documents (image files) to be managed with the Document Manager (see page 97). In addition to usual image editing, the program provides various editing capabilities for documents with a wide selection of annotation functions.

Double-clicking on the document (thumbnail) in the Document Manager screen or selecting **Open** in the **Document** menu displays the main window of the Document Viewer.



NOTE

 The program is activated also by selecting Panasonic → Panasonic Document Management System → Document Viewer from Programs of the Start menu.

#### 1 Title Bar

Displays the title of the screen and the name of the image file being displayed.

#### 2 Menu Bar

Displays the menu of the Document Viewer.

#### **③ Tool Bar**

Displays the tool buttons of the Document Viewer. Tool buttons correspond to functions of the menus in the menu bar.

#### ④ Page List

Displays the pages of the documents as thumbnails (reduced image).

#### **(5)** Size Bar

Adjusts the scaling of the display on the image window.

#### 6 Link Icon

Dragging and dropping a document on a link icon activates the application corresponding to each icon.

#### **7** Status Bar

Displays information such as image file name, image type, and size.

#### **(8)** Image Window

Displays the image and annotations of the pages being selected.

#### **9** Ruler

Displays the actual size of an image that is selected. The unit of measurement is switched by **Ruler Unit** in the **View** menu.

### **Basic Operations**

#### Selecting Page

Selecting a page by clicking in the page list displays an image of the selected page on the image window.

Dragging and dropping a page in the page list can change the order of the pages.



#### Image Editing

The image displayed in the image window is edited with the menu below:

- Edit menu : Editing operations such as cutting, copying, pasting annotations added to an image. Deleting, copying, and rotating the page.
- Image menu : Image correction and color balance adjustment of the whole page.

#### Selecting Area

Dragging the mouse on the image window allows selection of a specific area in an image. This function is used to save a specified area or specifying an area for annotation.



### **Annotation Function**

Document Viewer provides the functions for adding various graphics and text to an image. The graphics and text added to an image are called <Annotation>.

The annotation function, unlike usual image editing applications, does not change an image itself but lays graphics and texts onto an image. Annotations and the original image are displayed as one image.

Annotations are managed separately from image data. Therefore, the Document Viewer can switch between displaying and hiding annotations.

If an image is edited with the Document Viewer, and is exported (sent) to another image editing application, whether to attach the annotation to an image or not can be selected.



### **File Menu**

#### Open

Opens an image file saved in the computer. Files of the following formats can be opened on the Document Viewer.

- TIFF : Tagged-Image File Format (TIFF)
- JPEG : Joint Photographic Experts Group (JPEG) format
- **BMP** : Windows standard bitmap format
- **PNG** : Portable Network Graphics format
- **DDM** : Document Manager file format

#### Save

Save a document being edited.

#### Save As

A document is saved as an ordinary image file under a specified name.

All pages : Save all pages in the document.

Specified pages : Save only a specified page.

**Specified area** : Save only the portion specified in the image window.

Document Viewer saves a file in the following formats:

- **TIFF** : Tagged-Image File Format (TIFF)
- JPEG : Joint Photographic Experts Group (JPEG) format
- BMP : Windows standard bitmap format
- PNG : Portable Network Graphics format
- DDM : Document Manager file format





#### Print

Prints a document under the editing operation. For a document containing two or more pages, pages from-to can be specified for printing.

Print		? X
Printer		
<u>N</u> ame:	Panasonic DP-2500	Properties
Status: Type: Where: Comment:	Default printer; Ready Panasonic DP-2500 LPT1:	
Print range <u>All</u> Pages <u>S</u> elec	s from: to:	Copies Number of <u>c</u> opies: 1 == 11 2 3 C Collate
		OK Cancel



Specify the layout, printing size, and printing of annotations for a document to be printed.

- (1) Vertical position and horizontal position Adjust the printing position on a sheet.
- ② Print size

Select printing in original size or printing in accordance with sheet size.

③ N-in-1 printing

Select for printing two or more reduced pages on one sheet.



#### NOTE

- When saving a document with annotations, save the document in the Document Manager file format (DDM). This format saves the annotations and image data separately (as objects) so that they can be edited later. Although saving a document in another format allows further editing, the annotations cannot be undone. They are merged into the File.
- N-up printing (N in 1) can be selected on the printer driver (see pages 21 and 34).

#### ■ Launch to another application

Opens a document selected in the document window with a specified application.



Selecting **External Application Setup** displays a dialog box for adding/changing/deleting the application.



Clicking the **Add** button displays a dialog box to Add External Application.

#### 1 Name

If an external application is specified, the name in this field appears on a link icon.

#### (2) Application Type

Specify the application type.

#### ③ Program File

Specify the execution file of the application.

#### (4) MAPI Compliant

Check here if the E-mail application is compatible with MAPI.

#### 5 Parameter

If the E-mail application is incompatible with MAPI is used, adding a parameter here allows automatic activation of a transmission screen.



Document Management System Section

NOTE

#### Trash Can

#### **Open Trash Can**

Opens the Trash Can and displays any files. Selecting documents and clicking the Undo button retrieves documents that has been discarded.



#### **Empty Trash Can**

Deletes the files in the Trash Can. If the documents are emptied from the Trash Can, they are permanently deleted. They are not stored in the Recycle Bin.

Trash Ca	in 🔣
$\underline{\Lambda}$	You can not retrieve files once you empty Trash Can. Are you sure?
	Yes <u>N</u> o

### Edit Menu

#### Undo

Undo the last editing operation done.

#### Delete

Delete a selected annotation.

#### Cut

Delete a selected annotation from a folder and copy it to the clipboard.

#### ■ Сору

Copy a selected annotation onto the clipboard.

#### Paste

Paste an annotation from the clipboard onto a selected page.

#### Copy Page to Clipboard

Copy the entire page selected onto the clipboard.

#### Delete Page

Delete a selected page to the trash can.

#### ■ Duplicate Page

Make a duplication of a page and add it to the end of the last page.

#### ■ Rotate Page

Rotate the selected page.



### Page Menu

#### Next Page

Display the next page.

#### Previous

Display the previous page.

#### First

Display the first page.

#### Last

Display the last page.

#### 🔳 Go To

Display a specified page. A dialog box for specifying the page is displayed.







### Auto Paging

Turns the pages automatically.

Forward : Turns the pages forward.

**Reverse** : Turns the pages in reverse.

- **Stop** : Stop automatic page turning.
- Setup : Displays the setup dialog box for automatic page turning.

#### Move To

Displays pop-up menu for changing page order. Allows changing order of pages by moving selected page to a specified position.

### **Annotation Menu**

#### Display Annotation

Switch between displaying and hiding the annotation.

#### Header

Creates a header annotation. Selecting header annotation displays a header-specifying frame. If an annotation such as graphics and texts are created within the displayed frame, the frame is managed as a header.



#### Footer

Creates a footer annotation. Selecting footer annotation displays a footer-specifying frame. If an annotation such as graphics and texts are created within the displayed frame, the frame is managed as a footer.



#### Move Forward

Moves a selected annotation to the top layer.

#### Move Back

Moves a selected annotation to the bottom layer (behind any other annotations).

#### Text

Creates a text annotation. Select text annotation in annotation menu (or tool button), and drag the mouse in the image window to specify the display position.

A dialog box for text setup will appear.

Enter the text to display, and then specify text color and font.



#### Line

Creates a line annotation.

Select line annotation in the annotation menu (or tool button), and drag the mouse in the image window to draw lines.



#### NOTE

• For specifying text font and colors, select the drawn text and select **Properties** in the **Annotation** menu (See page 135). The Text Format Setup dialog box can be displayed also by selecting **Properties** in the pop-up menu, that appears by right-clicking on a drawn text.

 For specifying the thickness and color of a line, select a drawn line and then select **Properties** in the **Annotation** menu (See page 135). Graphics Format Setup dialog box can be displayed also by selecting **Properties** in the pop-up menu, that appears by right-clicking on a drawn line.

#### Rectangle

Creates a rectangle annotation.

Select rectangle annotation in the annotation menu (or tool button), and drag the mouse in the image window to draw a rectangle.



#### Ellipse

Creates an ellipse annotation.

Select the ellipse annotation in the annotation menu (or tool button), and drag the mouse in the image window to draw an ellipse.



#### NOTE

- For specifying the thickness and colors of the rectangle, select the drawn rectangle and select **Properties** in the **Annotation** menu (See page 135). The Graphic Format Setup dialog box can be displayed also by selecting **Properties** in the pop-up menu, that appears by right-clicking on a drawn figure.
- For specifying the thickness and colors of the ellipse, select the drawn ellipse and select **Properties** in the **Annotation** menu (See page 135). The Graphic Format Setup dialog box can be displayed also by selecting **Properties** in the pop-up menu, that appears by right-clicking on a drawn figure.

#### ■ White Block

Creates a white rectangle (solidly white-painted rectangle) annotation.

Select the white annotation in the annotation menu (or tool button), and drag the mouse in the image window to draw a white rectangle.



#### Black Block

Creates a black rectangle (solidly black-painted rectangle) annotation.

Select the black annotation in the annotation menu (or tool button), and drag the mouse in the image window to draw a black rectangle.



#### NOTE

• For specifying lines and colors of solid white, select the drawn solid white rectangle and select **Properties** in the **Annotation** menu (See page 135). The Graphic Format Setup dialog box can be displayed also by selecting **Properties** in the pop-up menu, that appears by right-clicking on a drawn figure.

• For specifying lines and colors of solid black, select the drawn solid black rectangle and select **Properties** in **Annotation** menu (See page 135). The Graphic Format Setup dialog box can be displayed also by selecting **Properties** in the pop-up menu, that appears by right-clicking on a drawn figure.

#### Marker

Creates a marker annotation.

Select the marker annotation in the annotation menu (or tool button), and drag the mouse in the image window to draw a marker.



#### Label

Creates a label annotation.

Select the label annotation in the annotation menu (or tool button), and drag the mouse in the image window to draw label displays Text Format Setup dialog box. Enter texts to display and specify text color and font.



#### NOTE

- For specifying the color of a marker, select the drawn marker and select **Properties** in the **Annotation** menu (See page135). The Graphic Format Setup dialog box can be displayed also by selecting **Properties** in the pop-up menu, that appears by right-clicking on a drawn figure.
- For specifying the color and font of a label, select the drawn label and select **Properties** in the **Annotation** menu (See page135). The Graphic Format Setup dialog box can be displayed also by selecting **Properties** in the pop-up menu, that appears by right-clicking on a drawn label.

#### Stamp

Creates a stamp annotation. The stamp annotation pastes another image file like a stamp. Select the stamp annotation in the annotation menu (or tool button), and drag the mouse in the image window to specify the area, displaying the stamp dialog box. Selecting the stamp allows drawing a stamp image.

Clicking the Add Stamp button allows selecting image files to be used as a stamp.





#### Date

Creates a date annotation.

Select the date annotation in the annotation menu (or tool button), and drag the mouse in the image window to specify the area, displaying the Text Format Setup dialog box.

Specify the format, color, and font of the date to be displayed.

#### 1 Text Color

Select the text color here.

2 Font

Specify the font here.

③ Date

Specify the date here. Selecting from the calendar or entering the date is selectable for data entry.

④ Format

Specify the display format here.



For specifying the color or font of the date, select the drawn date and select
 Properties in the Annotation menu (See page 135). The Text Format Setup dialog
 box can be displayed also by selecting Properties in the pop-up menu, that appears
 by right-clicking on a drawn figure.



#### Page Number

Creates a page number annotation.

Select the page number annotation in the annotation menu (or tool button), and drag the mouse in the image window to specify the area, displaying the text the settings dialog box.

Specify format, color, and font of the page number to be displayed.

#### **1** Text input screen

Enter the text here.

- 2 Text Color Select the text color here.
- ③ Font Specify the font here.

#### Text Format Setup

Opens the Text Format Setup dialog box.

Click on the drawn text, label, date or page number and select Properties to change the color and font of the text to be displayed.

(1) Text input screen Enter the text here.

(2) Text Color

Select the text color here.

(3) Font Specify the font here.

#### Graphics Format Setup

Opens the Graphics Format Setup Dialog box.

Click on the drawn figure and select Properties to change the thickness and colors of the lines.

(1) Line Width

Specify the thickness of the lines here.

(2) Line Style

Specify the types of lines here

- (3) Line Color Specify the color of the lines here.
- (4) Fill Color Select the color for solid painting here.

Graphics Format Setup : Rectangle			>
	(2) Line <u>Style</u> :	Solid Line	-
3 Line Color:	Eill Color:		•
Text Egmet Setup	<u>K</u>	Cancel	







Text Format Setup : Dat

### Image Menu

#### Correct Skew

Detects the Skew of a document and automatically corrects it. The dialog box of Correct Skew is displayed.

Adjust the Skew to be corrected by the slide bar. If **Preview** has been checked, the adjustment result is displayed on the image window.

Clicking the Detect Skew button detects the inclination of the image automatically.

Correct Skew	X
- +	<u>O</u> K
	<u>C</u> ancel
	Detect Skew
	☐ <u>P</u> review

#### Eliminate Noise

Removes background noise from an image. The dialog box of Eliminate Noise is displayed.

Adjust the level of background noise removal by sliding the bar. If **Preview** has been checked, the adjustment result is displayed on the image window.

#### Enhance Edge

Enhance the edge (border) of an image. (Valid only for grayscale or RGB color image) The dialog box of Enhance Edge is displayed.

Adjust the level of edge enhancement by sliding the bar. If **Preview** has been checked, the adjustment result is displayed on the image window.

Eliminate Noise		×
Eliminate <u>N</u> oise:	[	+ <u>D</u> K Cancel

Enhance Edge		x
	+	<u>0</u> K
<u>E</u> nhance Edge:		<u>C</u> ancel
		<u> </u>

#### Brightness/Contrast

Adjust the brightness and contrast of an image. (Valid only for grayscale or RGB color image) The dialog box of Brightness/Contrast is displayed.

Adjust the brightness and contrast by sliding the bar. If **Preview** has been checked, the adjustment result is displayed on the image window.

Brightness/0	Contrast	×
<u>B</u> rightness:	· • •	<u>D</u> K <u>C</u> ancel
<u>C</u> ontrast:	<u> </u>	☐ <u>P</u> review

#### Hue/Chroma

Adjust the hue and chroma of an image. (Valid only for grayscale or RGB color image)

The dialog box of Hue/Chroma is displayed.

Adjust the hue and chroma by sliding the bar. If **Preview** has been checked, the adjustment result is displayed on the image window.

#### Reverse Gradation

Reverses the gradation of the selected page.



#### ■ Monochrome

Converts the selected page into a monochrome image. The dialog box of Threshold Sizes is displayed.

Adjust the B/W Threshold by sliding the bar. If **Preview** has been checked, the adjustment result is displayed on the image window.

Monocl	nrome			x				
B/₩ <u>T</u> I	hreshold:		+ )	<u>D</u> K Cancel				
Documer	nt Viewer			×				
You can not undo it once color image is converted into monochrome. Are you sure?								
		Yes	No					

#### Grayscale

Converts the selected page into a grayscale image. A message appears upon converting a color image into monochrome, or grayscale.

#### RGB Color

Converts a selected page into a RGB color image.

NOTE

- Grayscale and color information of a grayscale or RGB color image is lost upon conversion into a monochrome image. The lost information is not restorable.
- Color information of a RGB color image is lost upon conversion into a grayscale image. The lost information is not restorable.

### **View Menu**

#### Grayscale Indication

Selects grayscale display when displaying a monochrome image on the image window in reduced size.

#### ■ Picture Quality Precedence

Switch the setting if making the image quality a higher priority than the displaying speed.

#### Tool Bar

Switch between displaying/hiding the tool bar.

#### Status Bar

Switch between displaying/hiding the status bar.

#### Thumbnail Window

Switch between displaying/hiding the thumbnail window.

#### Ruler Unit

Select the units of measurement used in the image window.

#### Zoom In

Increase the display scale on the image window.

#### Zoom Out

Reduce the display scale on the image window.

#### Zoom Ratio

Select the display scale on the image window.

### **Task Bar Display**

The Status Monitor is a MFP utility that monitors and displays the current status of connected devices. Upon activation of Windows, the icon of the status monitor appears on the System Tray.



The Status Monitor indicates the device status by icon lamp color as listed below.

Lamp color	Status
Blue	Device is operational under standby, printing, copying status.
Yellow	Device inspection is required under initialization, running out of staples, open cover, paper jam, etc.
Red	Need for toner cartridge replacement, paper supply, or device failure.
Gray	Device is in off-mode.



No responses from the device. Be sure the power is turned "On" and the printer cable is properly connected.

_____ Cancel

Digital Copier Status Monitor

 Installing the Panasonic Document Management System adds the status monitor to the startup menu. If the power of the device is not turned on or the parallel cable is not connected when starting Windows, the error message shown above appears.
 Verify the power source and parallel cable and then press the Retry button.

X

• Connecting the device to a network server disables the status monitor.

### Task Bar Menu

Right-clicking on the status monitor in the System Tray displays the dropdown menu as shown below:



#### 1 About

Displays the version information about the status monitor.

#### **② Open Status Monitor**

Displays details about the current status of the device.

#### 3 Pop up when error occurs

If the menu is selected, a checkmark appears or a pop-up error dialog box appears upon occurrence of an error.

Select the menu again for removing the check mark.

<Dialog box example>



#### ④ Exit

Close the status monitor.

### **Display Status Details**

Right-clicking the status monitor icon in the Task Bar and selecting **Open Status Monitor** in the dropdown menu displays a dialog box for the status monitor.

#### Status Tab

Digital Copier Status Monitor  Status Configuration Paper  Model Name  WORKID DP-2000/DP-2500/DP-3000  Status	
Device Status     2       Device is in standby.     2       Control Panel Display     3       READY TO COPY     *       SET ORIGINALS     *       Details     4	
Image: Cancel Help	

#### $\textcircled{1} \operatorname{Model}$

Displays the name and number of a connected device.

#### **2 Device Status**

Displays the current status of the device.					
If two or more items have been detected,	clicking	<b>←</b> / [	-	buttons allows	viewing all items.

#### **③ Control Panel Display**

Displays information as appear on the panel of the	devic	e.	
If two or more items have been detected, clicking	▼ /		buttons allows viewing all items.

#### **④ Details**

#### (5) Status

Displays the communication status between the status monitor and the device.

### Configuration Tab

Digital Copier Status Monitor     Status     Configuration     Paper      Model     WORKID DP-2000/DP-2500/DP-3000      Configuration     Gol printer function: No     PCL printer function: No     S a communication function option:No     G3 communication function option:N	
G4 communication function option.Yes The inside and outside line function:No Handset option.Yes Content content option.Yes Content option.Yes	

#### $\textcircled{1} \mathsf{Model}$

Displays the name and number of a connected device.

#### **2** Configuration

Display a list with the current device configuration (optional devices, etc.).

#### ③ Status

Displays the communication status between the status monitor and the device.

#### Paper Tab

Digital Copier Status Status Configuration		-	<u>? ×</u>	
Paper Tray Status Paper Source Tray No.1	Paper Type Standard	Paper Size Ledger	Remaining Paper Yes	
Tray No.2	Standard	Ledger	Yes	
Tray No.3	Standard	Ledger	Yes	
Tray No.4	Standard	Legal	Yes	
) OK	Ca	ncel	Help	

The tab displays the type, size, and if there is any paper loaded in the paper tray. A comment by the user can be entered freely in the <Paper Type> field.

NOTE

• Changing the types of loaded paper does not change the comment in <Paper Type> unless it is rewritten by a user.
#### **Main Window**

This utility allows you to edit the machine configuration through the Parallel Port connected between the PC and the device.

Startup Windows, and select **Panasonic**  $\rightarrow$  **Panasonic Document Management System**  $\rightarrow$  **MFP Utilities**  $\rightarrow$  **Configuration Editor** from the **Programs** in the **Start** menu to display the configuration editor dialog box.



Each setting category appears as a folder on the left frame and the setting item appears on the right frame.

If the device is turned "Off" or not connected, a dialog box appears as below. You may select.

- Retry : After turned "On" the power or connected the device.
- Work Off-Line: Edit the data from an existing file.

Exit : Exit the program.



When there is more than 1 supported model series installed, a "Browse for Folder" dialog box appears as below.

Select the model series folder and click OK.



Retrieve button
Retrieve the current settings of the selected folder from the device.
Write button
Write's the settings in the folder to the device.
Open File button
Opens the settings in the folder from a file.
Sava File I huttan
Save File button
Saves the settings in the folder to a file.
and buttons
Switch between pages if the settings have two or more pages.
Help <b>button</b>
Displays the help screen.
About button
Displays version information.
Exit button
Close the Configuration Edit utility. If the data has not been sent after being modified on the screen, a
confirmation message for sending the data is displayed.

NOTE

- Only settings in the setting folder that are currently selected are applicable to retrieving/writing on the device, or retrieving/writing of a file.
- Current settings of each folder are read from the device by double-clicking a folder in the left of the dialog box.
- The setting menu's are different depending on the machine to be used with this MFP utility.

#### **User Parameters Folder**

Specify the originating party name and telephone number, etc. to be registered on the device for fax communications.

■ Digital Copier Configuration Editor		<b>2 X</b> About.
WORKID DP-2000/DP-2500/DP-9  Configuration Configuration FaxPaneters General Functions	ID NO.	
- Copier Settings - Journal - Phone Book		
	1/1 page	

#### Fax Parameters Folder

Display or change the Fax Parameter Settings.

Digital Copier Configuration Editor     WORKID DP-2000/DP-2500/DP-3	
Configuration	CONTRAST(HOME) I I.7 RESOLUTION(HOME) I Standad Fine SFine ORIGINAL(HOME) I Text Trad/Photo Photo STAMP COM On MEMORY COM On DUALING METHOD UNE CUNET CLNE2 Pdse/Tone Phote Tone HEADER FRINT I Inside Outside No Pint HEADER FORMAT CLOGO ID FIRM TO RECEIVED TIME PRINT I Invalid Valid
	1/5 page
Retrieve Write	Open File Help Exit

#### **Copier Settings Folder**

Display or change the Copier Settings.

Pigital Capier Configuration Editor     WORKID DP-2000/DP-2500/DP-30	12 × 1 About
Configuration — Use Parameters — Fare Parameters — General Functions — Gone Setting — Journal — Phone Book	MARGIN VALUE DEF. C 5mm C 10mm C 15mm C 20mm EDGE VALUE DEF. C 5mm C 10mm C 15mm C 20mm BOCK VALUE DEF. C 15mm C 20mm C 20mm MARGIN REDUCTION C Invalid C Valid 2:SIDED MODE DEF. C No C 1:2 C 2>2 C B>2 REDUCE NI SPACE C 0 C 0n DIGITAL SKYSHOT C 0IF C Normal C Quality MANUAL SKYSHOT C 0IF C NM 0n C M20n C M1M2 Dn AUTO EXPOSURE C 0IF C 0n
	1/1 page
Retrieve	Open File Save File Help Exit

#### **General Functions Folder**

Display or change the General Functions.

Digital Copier Configuration Editor				?×	
WORKIO DP-2000/DP-2500/DP-3000				About	
Origination User Parameters User Parameters Graveters Copier Settings Journal Phone Book		Invalid C Valid			
	1/1 page				
Retrieve Write	Open File Save	File	Help	Exit	

#### Journal Folder

Display the Fax communication journal.

≝∙ Digital Copier Configuration Editor		? X	
WORKIO DP-2000/DP-2500/DP-30		About	
User Parameters     Fax Parameters     General Functions     Journal     Journal     Phone Book	Start time File No. Comm. result details Comm. Type Dualing 08-09 1910 001 STOP XMT		
Retrieve	Open File Help	Exit	

#### Phone Book Settings Shortcut Activation Folder

When the Phonebook Folder is selected the Phone Book Editor utility will be started.

M. Digital Copier Phone B		About	
Directory			
STATION NAM	E KEY NAME	TELEPHONE NO.	
	1 1 1		
Retrieve Write	Open File Save File In	sert Entry Delete Entry Help E	Exit
<u>[}</u>			

#### Features

This function allows registering, deleting, and modifying fax phone numbers in the main unit from a connected PC.

Registering, deleting, modifying fax numbers can be operated on the control panel of the machine. The operation described on the left is controllable on a connected PC.



Features provided by the Phone Book Editor function are as follows:

Retrieve/Write	Retrieve fax numbers in main unit to the PC, or send fax numbers from the PC to the main unit.	Page 157
Open/Save File	Open or save fax numbers stored the PC.	Page 159
Insert/Delete Entry	Insert or delete lines in the fax number list.	Page 161 Page 162

If the device is turned "Off" or not connected, a dialog box appears as below. You may select.

- Retry : After turned "On" the power or connected the device.
- Work Off-Line: Edit the data from an existing file.
- Exit : Exit the program.



When there is more than 1 supported model series installed, a "Browse for Folder" dialog box appears as below.



#### **Activation Procedure**

Take the following steps to activate the phonebook editor software.



#### Main Window (For DP-2500/3000)

The screen shown below appears on the PC:



No.	Indication	Description	Reference
1	Station Name	Station name (Up to 15 characters) (Up to 200 stations)	
2	Key Name	Key name (Up to 10 characters)	
3	Telephone No.	Telephone number (Up to 36 digits)	
4	About	Version information of software	
(5)	Retrieve	Retrieve phonebook information from the connected	Page 157
		device.	
6	Write	Send phonebook information to main unit	Page 159
$\bigcirc$	Open File	Read phonebook information in PC	Page 159
8	Save File	Save phonebook information onto PC	Page 159
9	Insert Entry	Insert a line in the phonebook list	Page 161
10	Delete Entry	Delete a line in the phonebook list	Page 162
1	Help	Display help screen	
		<ul> <li>When an explanation about the operation is needed.</li> </ul>	
12	Exit	Close the phonebook editor software	

Document Management System Section



The screen shown below appears on the PC:



#### **Retrieve/Write**

This function retrieves the fax numbers in the connected device by PC and writes fax numbers from the PC to main unit.



	🛄 Digital Copier Phone Book	Editor		Click <b>Write</b> after the editing is completed.
Λ	WORKIO DP-2000/DP-25	00		About.
4	Directory			
-	STATION NAME	KEY NAME DP-2500	TELEPHONE NO.	
	2 Panasonic 3 Panafax	DP-2000 UF-895	222-222-222-2222 333-333-333-333	
	4 Panalax	UF-885	444-444-444-4444	
	Retrieve Write	Open File	Save File Insert Entry Delete Entry Help	Ext
				Write
				WILLE
6	Digital Copier	Phone Bo	ook Editor	Click the Yes button.
	A num			4.4.2
		ou want to	write the Setup Information to the	The phonebook information is written to the
		( Ye	s <u>N</u> o	connected device.
		<u></u> e		

#### **Open/Save File**

This function opens the phonebook file in the PC, edits the file and then saves the file in the PC again.

Image: Contract of the second seco	Click Open File
2 Digital Copier Phone Book Editor	Click the Yes button.
3 Den ?* Look jn: Dp-2x00      Phone.dat User.dat File name: de: Files of type: MFP Utilities Data (".dat) Cancel	<ul> <li>The File Open dialog box appears</li> <li>1) Select a file from the list (e.g. Phone.dat)</li> <li>2) Click the Open button.</li> </ul>
Station Digital Copier Phone Book Editor         Pix           Image: Copier Phone Book Editor         Image: Copier Phone Book Editor         About.           Image: Copier Phone Book Editor         Image: Copier Phone Book Editor         About.           Image: Copier Phone Book Editor         Image: Copier Phone Book Editor         About.           Image: Copier Phone Book Editor         Image: Copier Phone Book Editor         About.           Image: Copier Phone Book Editor         Image: Copier Phone Book Editor         About.           Image: Copier Phone Book Editor         Image: Copier Phone Book Editor         About.           Image: Copier Phone Book Editor         Image: Copier Phone Book Editor         About.           Image: Copier Phone Book Editor         Image: Copier Phone Book Editor         About.           Image: Copier Phone Book Editor         Image: Copier Phone Book Editor         About.           Image: Copier Phone Book Editor           Image: Copier Phone Book Editor         Image: Copier Phone Book Editor         Image: Copier Phone Book Editor         Image: Copier Phone Book Editor           Image: Copier Phone Book Editor         Image: Copier Phone Book Editor         Image: Copier Phone Book Editor         Image: Copier Phone Book Editor           Image: Copi	The phonebook information stored in the PC is displayed. Modify and add destination names and dial numbers on this screen.

5	UDP-2X00 - Digital Copier Pl		? About	Click <b>Save File</b> after the editing is completed.
	STATION NAME       1 PanaCopy       2 Panafax       3 PanaMFP       4 Panasonic       Retrieve	KEY NAME PanaCopy PanaFax PanaMFP Panasonic	TELEPHONE NO.           111-222-4444         111-333-4444           111-333-4444         111-332-22           111-111-322-3333         111-322-3333	Save File
6	Digital Copier P		ave the Phone Book data to a file?	Click the Yes button. The phonebook information is saved in the PC.
7	Save As Save in: 🔄 Dp- Phone.dat I User.dat	2x00		<ul> <li>For Save File:</li> <li>① Select an existing file from the list or enter a new file name.</li> <li>② Click the Save button. The phonebook information is saved to a file.</li> </ul>

#### **Insert Entry**

This function adds or deletes lines in the list when editing the phonebook. The steps for inserting lines is as follows:

Directory			Example: Insert a line between the 2nd
STATION NAME	KEY NAME		and 3rd lines.
1 Panasonic	DP-2000	111-111-111-1111	Click the portion indicated as $①$ .
2 Panasonic	DP-2000	222-222-222-2222	
3 Panasonic	DF-1100	555-555-555-5555	
Panafax	UF-895	333-333-333-3333	
5 Panafax	UF-885	444-444-444-4444	
1			
Digital Copier Phone Book Editor WORKIO DP-2000/DP-2500 Virectory		About	Click Insert Entry.
STATION NAME KEY NAME 1 Panasonic DP-2500	111-111-111-1111	TELEPHONE NO.	
2 Panasonic DP-2000 3 Panasonic DF-1100	222-222-222-2222 555-555-555-5555		
4 Panafax UF/395 5 Panafax UF-885	333-333-333-3333 444-444-444-4444		•
5 Panarax 0Proof	*********		
Retrieve Write Open File	Save File Inset Enkig	Deete Entry Help Exit	
Retieve Wite Open File	Save File Inset Entry	Delete Entry Help Exit	
Retireve Write Open File	Save File Inset Entry	Delete Entry Help Exit	
Retieve Write Open File	Save File Inset Entry	Delete Entry     Help     Exit	
Retieve Wite Open File	Save File Inset Endy	Pelete Entry Help Exit	A line is inserted as shown on the left.
	Save File Inset Entry	Delete Errity Help Exit	
Directory	(2) KEY NAME	<ul> <li>Delete Entry Нер Ем</li> <li>111-111-1111</li> </ul>	
Directory STATION NAME	EV NAME DP-2000	·	
Directory STATION NAME	(2) KEY NAME DP-2000 DP-2000	111-111-1111	
Directory STATION NAME 1 Panasonic 2 Panasonic	(2) KEY NAME DP-2000 DP-2000	111-111-1111 222-222-222-2222	
Directory STATION NAME 1 Panasonic 2 Panasonic 3 Panasonic 4 5 Panafax	EP-2000 DP-2000 DF-1100 UF-895	111-111-111-1111 222-222-222-2222 555-555-5555 333-333-333-3333	
Directory STATION NAME 1 Panasonic 2 Panasonic 3 Panasonic 4	EP-2000 DP-2000 DF-1100 UF-895	111-111-111-1111 222-222-222-2222 555-555-5555	
Directory STATION NAME 1 Panasonic 2 Panasonic 3 Panasonic 4 5 Panafax	EP-2000 DP-2000 DF-1100 UF-895	111-111-111-1111 222-222-222-2222 555-555-5555 333-333-333-3333	
Directory STATION NAME 1 Panasonic 2 Panasonic 3 Panasonic 4 5 Panafax	EP-2000 DP-2000 DF-1100 UF-895	111-111-111-1111 222-222-222-2222 555-555-5555 333-333-333-3333	
Directory STATION NAME 1 Panasonic 2 Panasonic 3 Panasonic 4 5 Panafax	EP-2000 DP-2000 DF-1100 UF-895	111-111-111-1111 222-222-222-2222 555-555-5555 333-333-333-3333	A line is inserted as shown on the left.
Directory STATION NAME 1 Panasonic 2 Panasonic 3 Panasonic 4 5 Panafax	EP-2000 DP-2000 DF-1100 UF-895	111-111-111-1111 222-222-222-2222 555-555-5555 333-333-333-3333	
Directory STATION NAME 1 Panasonic 2 Panasonic 3 Panasonic 4 5 Panafax 6 Panafax	EP-2000 DP-2000 DF-1100 UF-895	111-111-111-1111 222-222-222-2222 555-555-5555 333-333-333-3333	A line is inserted as shown on the left.
Directory STATION NAME Panasonic Panasonic Panasonic Panafax Panafax Panafax Directory	KEY NAME           DP-2000           DP-2000           DF-1100           UF-895           UF-895           UF-885	111-111-111-1111 222-222-222-2222 555-555-5555 333-333-333-3333	A line is inserted as shown on the left.
Directory STATION NAME Panasonic Panasonic Panasonic Panafax Panafax Panafax Directory STATION NAME	KEY NAME           DP-2000           DP-2000           DF-1100           UF-895           UF-895           UF-885           EXEMPTION           KEY NAME           DP-2000	111-111-111-1111 222-222-222-222- 555-555-555-555-555- 333-333-333- 444-444-444-4444	A line is inserted as shown on the left.
Directory       STATION NAME       1       2       2       3       Panasonic       4       5       Panafax       6       Panafax       0       Directory	KEY NAME           DP-2000           DP-2000           DF-1100           UF-895           UF-895           UF-885           DP-2000           DP-2000           DP-2000           DP-2000           DP-2000           DP-2000	111-111-111-1111 222-222-222-2222 555-555-555-555 333-333-333 444-444-444-4444 111-111-111-1111	A line is inserted as shown on the left.
Directory          STATION NAME         1       Panasonic         2       Panasonic         3       Panasonic         4       Panafax         5       Panafax         6       Panafax         0       STATION NAME         1       Panafax         1       Panasonic         2       Panasonic         2       Panasonic	KEY NAME           DP-2000           DP-2000           DF-1100           UF-895           UF-895           UF-895           DP-2000           DP-2000           DF-1100           DP-2000           DP-2000           DP-2000           DP-2000           DP-1100	111-111-111-1111 222-222-222-222 555-555-5555 333-333-333-333 444-444-444-4444 111-111-111-1111 222-222-222-2222 555-555-5555-5	A line is inserted as shown on the left.
Directory          STATION NAME         1       Panasonic         2       Panasonic         3       Panasonic         4       Panafax         5       Panafax         6       Panafax         0       STATION NAME         1       Panafax         1       Panafax         1       Panasonic         2       Panasonic         3       Panasonic         3       Panasonic         3       Panasonic	KEY NAME           DP-2000           DP-2000           DF-1100           UF-895           UF-885           EXEX NAME           DP-2000           DP-2000           DP-2000           DP-2000           DP-2000           DP-2000           DP-2000           DP-2000           DP-1100           UF-895	111-111-111-1111 222-222-222-2222 555-555-555-555 333-333-333-333 444-444-444-4444 111-111-1111 222-222-222-2222	A line is inserted as shown on the left.

#### **Delete Entry**

The steps for deleting lines is as follows:

Γ	ector	STATION NAME	KEY NAME	
LE	1	Panasonic	DP-2000	111-111-111-1111
	2	Panasonic	DP-2000	222-222-222-2222
E	3	Panasonic	DF-1100	555-555-555-5555
h	4	Panafax	UF-895	333-333-333-3333
E	5	Panafax	UF-885	444-444-4444
E				

Example: Delete the 3rd line.

Click the portion indicated as 1.



irector	у]		
	STATION NAME	KEY NAME	
1	Panasonic	DP-2000	111-111-111-1111
2	Panasonic	DP-2000	222-222-222-2222
3	Panasonic	DF-1100	555-555-555-5555
4	Panafax	UF-895	333-333-333-3333
5	Panafax	UF-885	444-444-444-4444

Digital C	opier Phon	e Book Editor	X
A	Delete the :	selected entry.	
-	Are you su	re?	
	OK )	Cancel	

 Dipital Copier Phone Book Editor
 If x

 WORKID DP-2000/DP-2500
 Abox...

 Directory
 STATION NAME
 KEY NAME
 TELEPHONE NO.

 I Panascric
 DP-2500
 111-111-111
 Registration

 I Panascric
 DP-2500
 122-222-222-222
 Image: State S

The screen shown on the left appears.

Click OK .

Click Delete Entry.

The line is deleted as shown on the left.

#### Starting with:

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

- Connection cables are properly connected.
- Length of connection cables is not longer than 20 ft. (6 m).
- Power of devices is turned on.
- Paper is loaded on the device properly.
- Error message is not displayed on device.

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

Windows 95/98/Me [General Tab](See page 17)Windows NT4.0[General Tab](See page 35)Windows 2000[General Tab](See page 58)

NOTE

• The status of the devices can be verified by the status monitor (See page 140).

#### Document is not printed correctly

Problem	Action	
Printing position is wrong or print is misses on the edge	Paper size or printing orientation is different between the application settings and the printer driver settings. Specify the settings again. The specified paper has not been loaded on the device. Specify the settings again or load the appropriate paper. The document margin is not sufficient. On the DP-2000/2500/3000, a margin of approx. 5 mm or more is required at the sheet edge. (Recommended printing margin) Adjust the margin correctly.	
Characters and symbols not used in documents are printed	Verify that the Panasonic DP-2000, DP-2500 or DP-3000 has been selected as the printer driver.	
Printing operation takes excessive time	The wait time for printing operations depends on the spool settings. Select <b>Spool print jobs so program finishes printing faster</b> in spool settings. Reference : Windows 95/98/Me [Details Tab] (See page 18) Windows NT4.0 [Advanced Tab] (See page 45) Windows 2000 [Advanced Tab] (See page 61)	

#### Error messages displayed on the computer

Problem	Action
Error in writing to LPT1. Unable to write to the Specified device.	Verify that the device is connected to the computer correctly. Verify that the power of the device is turned on. Verify that the paper is properly loaded.
Error in writing to LPT1. Printer timeout error occurred.	Verify that the power of the device is turned on. Excessive data volume or number of pages may overflow the device's memory, disabling data reception. Increase the timeout setting value in properties (for transmission retry). Reference: Windows 95/98/Me [Details Tab] (See page 18) Windows NT4.0 [Port Tab] (See page 37) Windows 2000 [Port Tab] (See page 60)
Printing is disabled due to an error in the current printer settings.	Differences in settings such as paper size or printing orientation exists between the application and the printer driver. Specify the correct settings.

165

#### Adding Paper(📺)

#### ■ 550-sheet paper drawer/tray





#### Pull paper tray out of copier.

# Place paper with the copying surface facing upward.

Special papers, like glossy paper, mailing labels and transparaencies cannot be used in the paper tray. Use sheet bypass for special paper.



Make sure paper is not loaded above the overfill indicator located in the paper.



Firmly push the paper tray back into the copier.

#### NOTE

• Do not use paper with folds or wrinkles.

Refer to page 44 for details on changing the paper size for the paper tray.

• Unused paper should always be placed into a bag and the opening should be sealed for storage.

If the paper is left exposed, problems such as paper curl, paper jams, wrinkles or loss of copied image quality may occur.

#### Replacing the Toner Cartridge and Waste Toner Bottle( 🛄 )



Open the front door.



Slowly pull the waste toner bottle straight out.



Close the bottle with the enclosed cap.



Remove the old toner cartridge.

NOTE

• For optimum copy quality use the recommended Panasonic toner. Store toner in a cool dark place. Do not unseal toner before use. Use it as fast as possible after unsealing.



Shake the new toner cartridge well.



Install the new toner cartridge into the copier, and pull out the protective seal.

Note: Pull on the seal slowly and straight out.



Install a new waste toner bottle.



NOTE

Close the front door.

• Do not reuse the toner from the waste toner bottle.

#### **Removing a Misfeed Paper**

#### Paper Misfeed Indicators and Locations

When paper misfeed occurs, the misfeed indicator and the misfeed location(s) will be displayed on the touch panel display.



NOTE

• Make sure that the misfeed indicator goes off after removing the paper misfeed paper. The misfeed indicator will not go off if the paper is still jammed in the copier. Check again and remove all misfed paper.

169





• Make sure that the misfeed indicator goes off after removing all misfed paper.

#### **Removing a Paper Misfeed**



#### Paper Transport Area

• Make sure that the misfeed indicator goes off after removing all misfed paper.



Push the latch to open the cover.



Remove the misfed paper.

3

Close the cover by pushing the latch. (Check that the latch is securely fastened.)

• Make sure that the misfeed indicator goes off after removing all misfed paper.



• Make sure that the misfeed indicator goes off after removing all misfed paper.

NOTE



# Automatic Duplex Unit (ADU)

Open the paper feed guide.
 Remove misfed paper.

Close the right cover.

NOTE

5

• Make sure that the misfeed indicator goes off after removing all misfed paper.



#### System Console

• Make sure that the misfeed indicator goes off after removing all misfed paper.



- 1 Pull out the paper tray.
- 2 Remove misfed paper.
- ③ Return the paper tray to the original position.



- 1 Open the feed cover.
- ② Remove misfed paper.
- 3 Close the feed cover.

NOTE

• Make sure that the misfeed indicator goes off after removing all misfed paper.



#### ■ ADF/i-ADF

- · Make sure that the misfeed indicator goes off after removing all misfed paper.
- ① Open the ADF cover.
- 2 Remove misfed paper.
- ③ Close the ADF cover.





- (1) Open the ADF.
- (2) Remove misfed paper.
- (3) Close the ADF.

NOTE

- Push the tab iiii on the center of the ADF cover to close it.
  Make sure that the misfeed indicator goes off after removing all misfed paper.



- 1 Lift up the ADF tray top cover.
- 2 Remove misfed paper.
- ③ Close the ADF tray top cover.



#### <i-ADF>

- 1 Lift up the ADF tray top cover.
- 2 Open the entry cover.
- 3 Remove misfed paper.
- 4 Close the entry cover.
- $(\underline{5})$  Close the ADF tray top cover.



Make sure that the misfeed indicator goes off after removing all misfed paper.

# Appendix

#### Printing/Scanning Area



Troubleshooting

177

#### Appendix

#### Parallel Interface Connector

The printer has a parallel interface for connecting to PC.

#### Shape of Connector



#### Signal lines and pin arrangement

No.	I/O	Signal name	No.	I/O	Signal name
1	I	/STB	19		GND
2	I/O	DATA0	20		GND
3	I/O	DATA1	21	_	GND
4	I/O	DATA2	22		GND
5	I/O	DATA3	23		GND
6	I/O	DATA4	24		GND
7	I/O	DATA5	25	_	GND
8	I/O	DATA6	26		GND
9	I/O	DATA7	27	_	GND
10	0	/ACK	28	_	GND
11	0	BUSY	29		GND
12	0	PE	30		GND
13	I	SELECT	31	-	/INIT
14	0	/AUTOFD*	32	0	/FAULT
15	_	Not used	33	_	Not used
16		GND	34		Not used
17		GND	35		Not used
18	0	VCC	36	I	/SELIN*

*Signal used for bidirectional communication

#### Signal functions

Signal name	Function			
/STB	Signal for sending data to printer.			
	Steady-state value is High. Printer			
	reads data until this signal becomes			
	from Low to High.			
DATA0 to	Input signal for receiving 8-bit data.			
Data7	Logic 1 is High. DATA0 is			
	LSB and DATA 7 is MSB.			
/ACK	Signal indicating that printer has			
	read data into device completely.			
	This signal is output in response to			
	/STB.			
BUSY	Signal indicating that printer is			
	unable to receive data. Printer is			
	able to receive data when this signal			
	is Low.			
PE	Signal indicating Paper Out of			
	printer. This signal is <b>Low</b> when			
	paper is loaded and is <b>High</b> when			
	paper is out.			
SELECT	Signal indicating that printer is under			
	online status. Printer is capable of			
	receiving data when this signal is			
	High.			
/AUTFD	Signal used for bidirectional			
	communication			
GND	Ground			
VCC	Signal indicating that the power of			
	printer is on. This signal allows			
	verifying ON/OFF status of power of			
	printer and connection status of			
	printer cable.			
/INT	Signal for initializing printer. Steady			
	state value is <b>High.</b> Printer is			
	initialized by <b>Low.</b>			
/FAULT	Signal indicating that printer is faulty			
/SELIN	Signal used for bidirectional			
	communication			

NOTE		
	J	

#### WARRANTY

"PANASONIC DOCUMENT IMAGING COMPANY MAKES NO WARRANTIES, GUARANTEES OR REPRESENTATIONS, EXPRESSED OR IMPLIED, TO CUSTOMER WITH RESPECT TO THIS PANASONIC COPIER, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. PANASONIC DOCUMENT IMAGING COMPANY ASSUMES NO RISK AND SHALL NOT BE SUBJECT TO LIABILITY FOR ANY DAMAGE, INCLUDING, BUT NOT LIMITED TO DIRECT, INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSS OF PROFITS SUSTAINED BY THE CUSTOMER IN CONNECTION WITH THE USE OR APPLICATION OF THIS PANASONIC COPIER. SEE YOUR DEALER FOR DETAILS OF DEALER'S WARRANTY."

For Service Call:

Panasonic Document Imaging Company A Division of Matsushita Electric Corporation of America Two Panasonic way Secaucus, New Jersey 07094 Panasonic Canada Inc. 5770 Ambler Drive, Mississauga, Ontario L4W 2T3

> T0600-5041 DZSD001098-5 April 2001 Printed in Japan