# Canon

# iR3045/iR3035/iR3025 Series

# **PS/PCL/UFR II Printer Guide**



Please read this guide before operating this product. After you finish reading this guide, store it in a safe place for future reference.



# iR3045/iR3035/iR3025 Series PS/PCL/UFR II Printer Guide

# Manuals for the Machine

The manuals for this machine are divided as follows. Please refer to them for detailed information. The manuals supplied with optional equipment are included in the list below. Depending on the system configuration and product purchased, some manuals may not be needed.



- PS Printer Driver Installation and Instructions
- UFR II Printer Driver Installation and Instructions
- Mac OS X PS Printer Driver Installation and Instructions
- Mac OS X UFR II Printer Driver Installation and Instructions
- Fax Driver Installation and Instructions
- Installing MEAP Applications and Using the Login Service



To view the manual in PDF format, Adobe Reader/Adobe Acrobat Reader is required. If Adobe Reader/Adobe Acrobat Reader is not installed on your system, please download it from the Adobe Systems Incorporated website.

How This Manual Is Organised			
Chapter 1	Before You Start Using This Machine		
Chapter 2	Handling Different Print Jobs		
Chapter 3	Printer Settings Menu		
Chapter 4	Report Settings Menu		
Chapter 5	Troubleshooting		
Chapter 6	Appendix		
	Includes the available font lists, configuration page sample, specifications, and index.		

Considerable effort has been made to ensure that this manual is free of inaccuracies and omissions. However, as we are constantly improving our products, if you need an exact specification, please contact Canon.

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# Preface

Thank you for purchasing this Canon product. Please read this manual thoroughly before operating the machine in order to familiarise yourself with its capabilities, and to make the most of its many functions. After reading this manual, store it in a safe place for future reference.

#### How to Use This Manual

#### Symbols Used in This Manual

The following symbols are used in this manual to explain procedures, restrictions, handling precautions, and instructions that should be observed for safety.

IMPORTANT

Indicates operational requirements and restrictions. Be sure to read these items carefully in order to operate the machine correctly, and to avoid damage to the machine.

NOTE 🖉

Indicates a clarification of an operation, or contains additional explanations for a procedure. Reading these notes is highly recommended.

#### Keys Used in This Manual

The following symbols and key names are a few examples of how keys to be pressed are expressed in this manual:

• Touch Panel display Keys: [Key Name]

Examples: [Cancel]

[Done]

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Control Panel Keys: <a>Key icon></a>

Examples:

#### **Displays Used in This Manual**

Screen shots of the touch panel display used in this manual may differ from the ones you actually see, depending on the options that come with your machine. Note that functions that cannot be used depending on the model or options, are not displayed on the touch panel display.

The keys which you should press are marked with a \_\_\_\_\_, as shown below.

When multiple keys can be pressed on the touch panel display, all keys are marked. Select the keys which suit your needs.

<b>2</b> Press [Printer Settings].	
Additaxa Functions      Camman Settings     Camman Settings     Camman Settings     Camman Settings     Fradpustment/Cleaning     Proper Settings     Address Block Settings     Dom     System Settings     System Settings     System Settings     System Settings	— Press this key for operation.

#### **Illustrations Used in This Manual**

Illustrations of the machine used in this manual may not represent exact appearance and configuration of the actual machine.

#### **Abbreviations Used in This Manual**

In this manual, product names and model names are abbreviated as follows:

Microsoft® Windows® operating system is referred to as Windows.

PostScript<sup>®</sup> 3 emulation is referred to as PS.

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# CHAPTER

# Before You Start Using This Machine

This chapter describes how to set up the printing environment from the touch panel display.

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Accessing the Report Settings Menu	1-14

# **Printing Flow With This Machine**

#### **Printing With a Printer Driver**

Normally, the series of operations involved in printing data from a computer is specified by control commands generated using a printer driver. Control commands are a command system for controlling a printer. For example, when printing using a printer driver, control commands print data according to the following flow.



- ① Using a printer driver, data to be printed is converted to control commands.
- ② Control command data is sent to the machine.
- ③ Following the received control commands, the machine processes and prints the data.

#### Ø NOTE

There are some print settings that cannot be specified from the printer driver. These settings are referred to as "Menu Functions" on the touch panel display. For menu configuration and how to set up the printer environment from the touch panel display, see "Menus For Printer Settings," on p. 1-10 and "Accessing the Printer Settings Menu," on p. 1-11.

This machine supports the following three kinds of control commands:

#### ■ UFR II Mode

UFR (Ultra Fast Rendering) is printing technology developed by Canon. High-speed printing is made possible by sharing the processing of print data normally done by the machine with the computer.

#### PCL Mode

PCL (Print Control Language), developed by Hewlett-Packard, is a command system for controlling page printers. Command versions supported by this machine are PCL5e and PCL6.

#### PostScript Emulation Mode

PS (PostScript), developed by Adobe, is a command system for controlling page printers. This mode emulates the operation of a printer in conformance with PostScript. The command version supported by this machine is PostScript<sup>®</sup> 3 emulation.

#### 🕛 IMPORTANT

- To print in the above printer modes, a Printer Driver supported by this machine must be installed.
- In the above printer modes, "Settings Menu" and either "UFR II Settings" or "PCL/PS Settings" are available from the touch panel display. For settings with these menus, see Chapter 3, "Printer Settings Menu."

#### **Printing With Direct Print**

Printing with Direct Print can also be done with this machine. Direct Print is a print function that enables you to send PS/EPS, TIFF/JPEG, and PDF format files without using a printer driver from the computer to the machine, which recognises the file. Therefore, you can print without the need to open files.

You can specify PS/EPS, TIFF/JPEG, and PDF files to be printed from a Remote UI. You can print a PDF file by specifying the location on your computer or URL from the Remote UI.

You can also use the Direct Print function by entering a command (LPR command) in the command prompt.

For commands, settings specified by the command prompt or touch panel display are available.

You can specify LPR command settings with the P option, where each item is separated with an underscore (\_). The following commands are supported with this machine.

Item	Command
Paper Size	A3, A4, A5, B4, B5, LETTER, LEGAL, LEDGER (11" x 17")
Layout	SIMP (One-sided), DUPL (Two-sided/Long Edge), DUPS (Two-sided/Short Edge)
Copies	C <number copies="" of=""></number>

Command example (with Paper Size as "A4," Layout as "DUPL," and Copies as "20"): lpr -S <IP Address> -P A4\_DUPL\_C20 <file name>

#### NOTE

If settings have not been specified from the command prompt, settings in the touch panel display will be enabled.

#### IMPORTANT

- For information on how to operate Direct Print from a Remote UI, see the Remote UI Guide.
- There are some print settings that cannot be specified from a Remote UI. These settings are referred to as "Menu Functions" on the touch panel display. For menu configuration and how to set up the printer environment from the touch panel display, see "Menus For Printer Settings," on p. 1-10 and "Accessing the Printer Settings Menu," on p. 1-11.
- With Direct Print, "Settings Menu," "PCL/PS Settings (PS Settings menu only)," and "Imaging Settings" are available from the touch panel display. For settings with these menus, see Chapter 3, "Printer Settings Menu."
- When you print a PDF file using the Direct Print from the touch panel display, specify print settings from PS Settings on the touch panel display.

# **Operations and Terms Used In This Manual**

#### **Combinations and Names of Printer Kit Options**

Combinations with options (system configurations) for using the machine as a printer are available as described below.

In this manual, the combinations are each defined with the terms "UFR II Printer," "PCL Printer," and "PS Printer."

#### 🕛 IMPORTANT

To enable these modes and functions, you must register the licence key with the machine. For information on registering the licence key, see Chapter 6, "System Manager Settings," in the Reference Guide.

#### UFR II Printer

UFR II printing is standard with the iR 3045N/iR 3035N/iR 3025N. For iR 3045/iR 3035/iR 3025, the optional UFR II Printer Kit must be installed.

Machine Model	Required Option Kit
iR 3045/iR 3035/iR 3025	UFR II Printer Kit
iR 3045N/iR 3035N/iR 3025N	(UFR II/PCL Printer Kit is Standard.)

#### PCL Printer

PCL printing is standard with the iR 3045N/iR 3035N/iR 3025N. For iR 3045/iR 3035/iR 3025, the optional UFR II/PCL Printer Kit must be installed.

Machine Model	Required Option Kit
iR 3045/iR 3035/iR 3025	UFR II/PCL Printer Kit
iR 3045N/iR 3035N/iR 3025N	(UFR II/PCL Printer Kit is Standard.)

#### PS Printer

For iR 3045/iR 3035/iR 3025, the optional UFR II/PCL Printer Kit must be installed before installing the optional PS Kit.

Machine Model	Required Option Kit
iR 3045/iR 3035/iR 3025	UFR II/PCL Printer Kit + PS Printer Kit
iR 3045N/iR 3035N/iR 3025N	PS Printer Kit

#### **Differences in Operation with UFR II/PCL and PS Printers**

This describes differences in the settings that can be specified as a minimum from the touch panel display in each printer type.

#### NOTE

An asterisk (\*) indicates settings which are not specifiable with the printer driver or a Remote UI can be specified from the touch panel display.





# Menu Functions

This section describes the menu functions and how to access them with the touch panel display.

#### What Are Menu Functions?

#### Specifying the Menu Settings

The machine lets you specify settings, such as the number of copies and the paper size, to use when it receives a print job. These types of settings can be specified by the application sending the print job, or by the printer driver.

You can specify many settings which affect the printer function of the machine. These include some settings that cannot be specified remotely from an application or from the printer driver. These settings are referred to as "Menu Functions."

The menu functions are grouped together according to the type of settings, which makes them easy to set.

There are two ways you can specify the menu functions.

• Specifying the settings on the touch panel display: Display the Printer Settings screen on the touch panel display and specify the settings by pressing the keys on it.

• Specifying the settings on the Remote UI: You can specify some settings from your computer using your web browser.

#### NOTE

- This guide only explains how to specify the menu settings on the touch panel display. For instructions on specifying the menu settings on the Remote UI, please refer to the Remote UI Guide.
- The contents of the Printer Settings are stored in the nonvolatile memory of the machine. This means that the settings are stored even if the power to the machine is switched OFF, and therefore the settings will still be available when the power is switched ON again.

# Before You Start Using This Machine

#### Settings Priorities

When the same menu function setting can be specified by using the keys on the machine or by specifying the setting in an application or the printer driver, the setting from the application or printer driver has priority. These settings will override the settings made on the machine.

For settings available only on the touch panel display or Remote UI, the most recently specified settings take priority.



The printer driver is included on the CD-ROM provided with the machine. For instructions on installing the printer driver, see Chapter 2, "Installing Software," in the *Network Quick Start Guide*.

#### **Menus For Printer Settings**

Printer Settings are configured with the menus below.



Printer Settings

#### Utility Menu

For initialising the machine's hard disk, and resetting the printer functions.

#### Imaging Settings

For setting options available only when Imaging mode is operating.

<sup>1</sup> Only applicable for the PCL or PS Printer. <sup>2</sup> Only applicable for the PS Printer.

#### Printer Settings

Enables you to specify or change settings for printing from the machine. The following menus are included within the Printer Settings menu.

- Settings Menu
   Enables you to specify or change settings common to all printer functions.
- UFR II/PCL/PS Settings Menus Enables you to specify or change settings for the operating mode when a UFR II/PCL/PS control command is received.
- Imaging Settings Menus Enables you to specify or change settings for the operating mode when Direct Print data is received.

#### Utility Menu

- To initialise PCL or PS hard disk partition using "Initialize PCL Hard Disk" or "Initialize PS Hard Disk (PS Printer only)."
- To reset the printer's print functions using "Reset Printer."

1

# Accessing the Printer Settings Menu

The Printer Settings menu enables you to access common features. Below is an abbreviated outline of the Printer Settings menu structure. For a detailed description of all Printer Settings menu options, see Chapter 3, "Printer Settings Menu."

As an example, the sequence of steps for setting the default number of copies is shown on the following pages.

#### NOTE

Depending on the printer personality, some settings are not available. For details on the availability of settings, see Chapter 3, "Printer Settings Menu."



1 Press .



#### **2** Press [Printer Settings].



#### **3** Press [Settings].



#### 4 Press [Copies].



#### **5** Press [-] or [+] to enter the number of copies.



Before You Start Using This Machine

1

If you enter a value outside the setting range, a message prompting you to enter an appropriate value appears on the screen.

#### **6** Confirm the setting $\rightarrow$ press [OK].



# Accessing the Report Settings Menu

The Report Settings menu enables you to access report print features, such as checking the configuration. Below is an abbreviated outline of the Report Settings menu structure. For a detailed description of Report Settings menu options, see Chapter 4, "Report Settings Menu."

As an example, the sequence of steps for printing a Configuration Page is shown on the following pages.

#### NOTE

The Report Settings menu is only available for the PCL or PS Printer.



#### 1 Press .

If necessary, see the screen shots in step 1 of "Accessing the Printer Settings Menu," on p. 1-11.

#### **2** Press [Report Settings].

Common Settings	Copy Settings
<ul> <li>Timer Settings</li> </ul>	Communications Settings
Adjustment/Cleaning	🎯 Mail Box Settings
TReport Settings	C Printer Settings
	Address Book Settings
System Settings	·
	Done J

#### **3** Press [Printer] under <Print List>.

Select the R	eport Settings fe	eatures.			
= Se	ttings		Print List		
Sen	d	,	Send	,	
Fax		,	Fax	,	
			Network	,	
			Printer	,	
				Done	L.

## 4 Press [PCL].

PS	
	<u> </u>
	L Done

**5** Press [Configuration Page].





#### Press [Yes] to print the page.



If you do not want to print the configuration page, press [No].

If the printer function is working correctly, the Configuration Page will be similar to the sample below.

PCL Configuration Page



# 2 CHAPTER

# **Handling Different Print Jobs**

This chapter describes how to check and change print jobs from the touch panel display.

Procedure for Checking and Changing Jobs	
Checking and Changing Print Jobs.	
Cancelling Print Jobs	
Cancelling All Operations (Reset Printer)	
Temporarily Stopping Print Jobs	
Form Feeding Print Data	
Skipping an Error During Printing	
Printing Secured Documents	
Printing Encrypted Secured Documents	

# **Procedure for Checking and Changing Jobs**

You can check or change the status of print jobs from the touch panel display.

For example, you can change the priority of jobs in the print queue, cancel jobs, check the details of jobs, or print password protected Secured Print jobs or Encrypted Secured Print jobs.

By displaying the job list, you can check the jobs currently being processed or waiting to be processed. By displaying the Log, you can confirm that jobs have been processed.

Jobs can be handled from the Print Basic Features screen or the System Monitor screen in the touch panel display with this machine. This section describes the procedure for checking the current machine status from each screen.

#### 🕛 IMPORTANT

- The My Job Status screen is displayed in the Print Basic Features screen if you are using a login service. Only jobs for a logged-in user are displayed in the job list, and therefore you can block other users from accessing the job names or documents to prevent the flow of information from the machine. To enhance security of the print environment, it is recommended that you normally handle jobs from the Print Basic Features screen.
- For instructions on a login service, see the MEAP SMS Administrator Guide.
- For information on changing the priority of print jobs, checking the details and the log of jobs, or current status, see Chapter 5, "Checking Job and Device Status," in the Reference Guide.
- The items below relating to print jobs are not displayed if "Job Log Display" in System Settings (from the Additional Functions screen) is set to 'OFF'. (The default setting is 'ON'.)
  - [Log] in the Print Basic Features screen
  - [Log] in the System Monitor screen
- If "Allow Secured Print from Print Status Screen" in System Settings (from the Additional Functions screen) is set to 'OFF', you cannot print a secured print job from the System Monitor screen. (The default setting is 'OFF'.)
- You can restrict the display of the System Monitor screen under the following conditions if "Display Status Before Authentication" in System Settings (from the Additional Functions screen) is set to 'OFF'. (The default setting is 'ON'.)

When "Display Status Before Authentication" is set to 'OFF'

✓ : Displayed x : Not Displayed

Login service (Department			
ID Management, SSO, SDL, etc.)	Print, Copy, Send, Fax, and Receive screens	Device Status screen	
Before logging in	×	✓	
After logging in	✓	✓	

\* Even if you set the Display Status Before Authentication mode to 'OFF', access to the System Monitor screen is only restricted if a login service is set.

Many of the check/change operations can also be performed from the Remote User Interface. (See the Remote UI Guide.)

#### **Checking Jobs from the Print Basic Features Screen**

If you press [My Job Status] or [Status] in the Print Basic Features screen, you can check print job status. If you press [Log], you can check the jobs that have already been processed.

#### **1** Press $[\rightarrow] \rightarrow [Print Job].$

	My Job Stat	us	Status	L	.og	
$\checkmark$	Job No.	Time	Job Name	User	Status	
	0001	15:25	JOB#001	USER	Printing	
	9 0002	15:25	JOB#002	USER	Secured Print	1,
	9 0003	15:25	4 JOB#003	USER	Secured Print	
	9 0004	15:25	JOB#004	USER	Secured Print	
	30005	15:25	JOB#005	USER	Waiting to print.	
	Select All		Details	Cancel	B-Secu	



- You can display the Print Basic Features screen as the initial screen when you turn ON the main power or Auto Clear initiates with "Initial Function and Function Order Settings" in Common Settings (from the Additional Functions screen). (See Chapter 4, "Customizing Settings," in the Reference Guide.)
- Depending on the system configuration, the Print Basic Features screen or the function key is displayed in the front page of the touch panel display as the initial screen.

# **2** Press [My Job Status], [Status], or [Log] to display the current machine status.

#### • If you press [My Job Status]:

- □ The My Job Status screen is displayed if you are using a login service. Since only jobs for a user logged in to this machine will be displayed in the job list, you can block other users from accessing the job names or documents to prevent the flow of information from the machine. For instructions on a login service, see the *MEAP SMS Administrator Guide*.
- You can check only the logged-in user jobs currently being processed or waiting to be processed.

			og	
Job No. Ti	ne Job Name	User	Status	
3 0001 15	:25 🕼 JOB#001	USER	Printing	
🕒 0002 15	:25 🛯 IOB#002	USER	Secured Print	1/1
	:25 📣 JOB#003	USER	Secured Print	
15 0004 🕑	:25 🕼 JOB#004	USER	Secured Print	-
30005 15	:25 💩 JOB#005	USER	Waiting to print.	

#### • If you press [Status]:

□ You can check all the jobs currently being processed or waiting to be processed.

Scan M	ly Jo	b Statu	Web Ar	Status Status		Log	→ If you select [Secured
		Job No.	Time	Job Name	User	Status	Print], only secured p
	0	0002	15:25	JOB#002	USER	Secured Print	
	ø	0003	15:25	JOB#003	USER	Secured Print	
	6	0004	15:25	JOB#004	USER	Secured Print	
	0	0006	15:25	4********	USER2	Secured Print	displayed in the job lis
	Ô	0007	15:25	4********	USER2	Secured Print	
	6	0008	15:25	4*******	USER2	Secured Print	
	Û	0010	15:25	******	USER2	Secured Print	
	Sele	ect All		Details	Cance	el 🔒 Prin	
						System	m Monitor 🖌
#### • If you press [Log]:

□ You can check the jobs that have already been processed.



### Ø NOTE

 Secured print jobs (including encrypted secured jobs) other than for a logged-in user are displayed as asterisks (\*) and cannot be handled unless you are using a login service. However, if you are logged in as an Administrator, you can perform any operation other than printing.

	My Jo	b Stati	s	Status		Log	
				Select T	Гуре	🔒 Secured Print	•
$\checkmark$		Job No.	Tire	Job Name	User	Status	
	9	0002	15:25	JOB#002	USER	Secured Print	
	ø	0003	15:25	JOB#003	USER	Secured Print	1.11
	- B	0004	15:25	3 JOB#004	USER	Secured Print	1/1
	6	0006	15:25	4********	USER2	Secured Print	_ (
	ø	0007	15:25	3 ********	USER2	Secured Print	
	9	0008	15:25	3 ********	USER2	Secured Print	
	9	0010	15:25	<u>ن + + + + + + + + + + + + + + + + + + +</u>	USER2	Secured Print	J
	Sal	ect All		Details	Cancel	€-"Sec Prin	ured

• You can change or cancel multiple jobs selected from the list. If you select multiple jobs, they are numbered in the order selected.

My Job Status			s	Sta	atus	Log		
					Select Typ	e	• All	•
$\checkmark$		Job No.	Time	Job Name		User	Status	J
1	3	0001	15:25	JOB#0	01	USER	Printing	
	Û	0002	15:25	🕼 JOB#C	02	USER	Secured	Print
2	9	0003	15:25	🕼 JOB#C	03	USER	Secured	Print 1/1
	0	0004	15:25	🕼 JOB#C	04	USER	Secured	Print 🔽
3	Ľ	0005	15:25	🖉 JOB#C	05	USER	Waiting to	print.
_	9	0005	15:25	<b>\$\$\$</b>	***	USER2	Secured	Print
	0	0007	15:25	*****	***	USER2	Secured	Print
	Cle	ar	Print		Details	Can	cel le	_,Secured

• If you press [Select All], you can select all the jobs. If you press [Clear Selection], any selected jobs are cleared.

			<b>0</b> 1 1	-		
My Jo	b Statı	IS	Status		Log	
			Select T	уре	All	
	Job No.	Time	Job Name	User	Status	
3	0001	15:25	JOB#001	USER	Printing	
9	0002	15:25	JOB#002	USER	Secured Print	1/1
9	0003	15:25	JOB#003	USER	Secured Print	
	0004	15:25	JOB#004	USER	Secured Print	-
^	0005	15:25	JOB#005	USER	Waiting to print.	
	0006	15:25	<u>ن ۲۰۰۰٬۰۰۰</u>	USER2	Secured Print	
0	0007	15:25	3 ********	USER2	Secured Print	
ele	ect All		Details	Canc	el 🔒 "Secu Print	
					System	Moni
					System	Moni
					System	Moni
can		Veb A	ccess 🕢 📔 Print	Job 🚓 🛙	System	Moni
can (		Veb A	ccess 🐑 Print	Job 🕣	System	Moni
can (	•	Veb A	ccess 💁 Print	Job 🕣	System	Moni
	头		ccess grant	Job 📑	Log	Moni
	实		27			Moni
My Jol	b Statu	IS	Status		Log All	Moni
My Jo	job No.	IS Time	Status Status Select T Job Name	ype User	Log All	Moni
My Jol	Job No. 0001	15 : 25	Status Status Status Select T Job Name Sology Job#001	ype User USER	Log All Status Printing	
My Jol	0001 0002	Time 15:25 15:25	Status Status Select T Good Hase Good JOB#001 Good JOB#002	V/DB USER USER USER	Log All Status Printing Secured Print	<b>→</b>
My Jol	0001 0002 0003	15:25 15:25	Status  Status  Select T  JOB#001  JOB#002  JOB#003	ype User USER	Log All Status Printing Secured Print Secured Print	<b>→</b>
My Joi 1 2 6 3 2 4	0001 0002	Time 15:25 15:25 15:25 15:25	Status Status Select T Good Hase Good JOB#001 Good JOB#002	ype User USER USER USER	Log All Printing Secured Print Secured Print Secured Print	Moni →
My Joi	0001 0002 0003 0004 0005	Time 15:25 15:25 15:25 15:25 15:25	Status  Status Status  Status Status  Status Status  Status Status Status Status Status Status Status Status Status Status Status  Status Status Status Status	USER USER USER USER USER USER USER	Log All Source Printing Secured Print Secured Print Secured Print Waiting to print Waiting to print	<b>→</b>
My Joi 1 2 6 3 2 4	0001 0002 0003 0004	Time 15:25 15:25 15:25 15:25	Status Status Status Status OB#001 GJ0B#002 J0B#003 GJ0B#003 GJ0B#004 GJ0B#005	ype User USER USER USER USER USER	Log All Printing Secured Print Secured Print Secured Print	<b>→</b>
My Jol 1 7 2 6 3 6 4 6 5 7 6 6	0001 0002 0003 0004 0005 0006 0007	The 15:25 15:25 15:25 15:25 15:25 15:25 15:25	Status           Status           Select T           JOBH001           JOBH002           JOBH003           JOBH004           JOBH004           JOBH005           ********	USER USER USER USER USER USER USER2	All     Carace     Printing     Secured Print     Secured Print     Secured Print     Secured Print     Secured Print     Secured Print     Secured Print	+ 1/ 1/

- For instructions on cancelling jobs or printing secured print jobs, see "Checking and Changing Print Jobs," on p. 2-9.
- For instructions on changing the priority of jobs in the print queue or checking the details of a job, see Chapter 5, "Checking Job and Device Status," in the Reference Guide.

### **Checking Jobs from the System Monitor Screen**

If you press [Status] in the System Monitor screen, you can check print job status. If you press [Log], you can check the jobs that have already been processed.

If you press [Device], you can quickly view machine information. The remaining amount of paper, toner, and staples, the amount of system memory currently being used, and error messages can be checked.

#### NOTE

The status bars (on the keys located on the bottom of the System Monitor screen) blink in red or green to indicate the status of jobs. The status bars blink green while jobs are being processed. Blinking red status bars indicate errors. For instructions on how to resolve errors, see Chapter 8, "Troubleshooting," in the Reference Guide.

### **1** Press [System Monitor].

Copy Express Copy Send	🔊 Mail Box 🚫 🗕
📖 Black 👻	
🍋 Ready to copy.	
100 % Auto	1
1:1 Copy Ratio Paper Select	
Finishing Two-sided	E Text/Photo/Map 🔻
Interrupt	Special Features
	System Monitor ,

### **2** Press [Print] or [Device] to display the current machine status.

#### If you press [Print]:

Press [Status] to check the jobs currently being processed or waiting to be processed.

Status	Log	J	
Job No. Time Job	Text1 USER	Status Printing	
📑 0003 18:01 楶		Waiting to print	1/1
			~
Print Deta	ails Cancel	Secured Print	
Next		Print	
Copy Send	Fax Print	eceive Devi	ce
		Dor	

Press [Log] to check the jobs that have already been processed.



#### • If you press [Device]:

Check the current machine status.

Scanner Printer S Text 1 Printing	Pause		Fax
Paper Information	S = . 84 S = . A50 S = . A4	Others Available Meno 99 % Consumables	Recovery Procedures
Copy Send	Fax	Print	Receive Device

### **3** Press [Done].

The screen returns to the Basic Features screen.

#### NOTE

For instructions on [Print], see "Checking and Changing Print Jobs," on p. 2-9. For instructions on [Device], see Chapter 5, "Checking Job and Device Status," in the Reference Guide.

# Checking and Changing Print Jobs

This section describes the procedures for the job processes listed below.

- Cancelling Print Jobs (See p. 2-10.)
- Cancelling All Operations (Reset Printer) (See p. 2-14.)
- Temporarily Stopping Print Jobs (See p. 2-15.)
- Form Feeding Print Data (See p. 2-18.)
- Skipping an Error During Printing (See p. 2-20.)
- Printing Secured Documents (See p. 2-23.)
- Printing Encrypted Secured Documents (See p. 2-26.)

#### IMPORTANT

• You can restrict the display of the System Monitor screen under the following conditions if "Display Status Before Authentication" in System Settings (from the Additional Functions screen) is set to 'OFF'. (The default setting is 'ON'.)

When "Display Status Before Authentication" is set to 'OFF'

✓ : Displayed

x: Not Displayed

Login service (Department	System Mor	nitor screen
ID Management, SSO, SDL, etc.)	Print, Copy, Send, Fax, and Receive screens	Device Status screen
Before logging in	×	✓
After logging in	✓	✓

\* Even if you set the Display Status Before Authentication mode to 'OFF', access to the System Monitor screen is only restricted if a login service is set.

 You can receive print jobs only for encrypted secured documents with this machine if "Receive Only Encrypted Secured Documents" in System Settings (from the Additional Functions screen) is set to 'ON'. A job will be cancelled and an error message displayed if a print job other than an encrypted secured print job is received. (The default setting is 'OFF'.)



The table below describes the icons that are displayed on the status and log screens.

Icon (Job Status)	Description
	Executing
<b>_</b>	Waiting
	Error
Ĕ	Cancelling
	Paused
D	Secured Document
D.	Encrypted Secured Document

Icon (Job Type)	Description
	Сору Јођ
	Mail Box Job
3	Print Job
	Report Print Job
1 1 1	Received Print Job

### **Cancelling Print Jobs**

You can perform [Cancel] when you want to cancel a print job at the time data is currently being received or executed. It does not affect the print data of a following job or a job the machine has not yet started processing.

### Ø NOTE

If you are not logged in as an Administrator, you can only cancel your own jobs.

### Handling Jobs from the Print Basic Features Screen

To cancel jobs from the Print Basic Features screen, follow the steps below.

### Press $[\rightarrow] \rightarrow [Print Job].$

#### NOTE

- You can display the Print Basic Features screen as the initial screen when you turn ON the main power or Auto Clear initiates with "Initial Function and Function Order Settings" in Common Settings (from the Additional Functions screen). (See Chapter 4, "Customizing Settings," in the Reference Guide.)
- Depending on the system configuration, the Print Basic Features screen or the function key is displayed in the front page of the touch panel display as the initial screen.

### **2** Press either [My Job Status] or [Status].

If necessary, see the screen shot in step 2 of "Checking Jobs from the Print Basic Features Screen," on p. 2-3.

**3** Select the job to be cancelled  $\rightarrow$  press [Cancel].

	My Job Status			Status	L	.og
$\checkmark$		Job No.	Tirre	Job Name	User	Status
		0001	15.25	A INR#001	IISER	Printing
1	ľ	0002	15:25	🥝 JOB#002	USER	Waiting to print
_	27	vuua	10.20	JUB#003	VaEn	aecureu Friin
	Ô	0004	15:25	JOB#004	USER	Secured Print
	Ľ	0005	15:25	JOB#005	USER	Waiting to print.
	Cle			Details	Cancel	A-Secured

### 

• To cancel multiple jobs, select jobs displayed in the list in the order to be cancelled → press [Cancel].

	My Job Status			Status	Lt	99
$\checkmark$		Job No.	Tine	Job Name	User	Status
1	3	0001	15:25	JOB#001	USER	Printing
	1.11	10012	10.20	CA BRUND	UNPR	warmon to ortor
2	Ľ	0003	15:25	JOB#003	USER	Waiting to print) 1/1
	1-1	10.014	10.20	1566 IL IN ILL II IA	IDER	warnon m nrint
3	ľ	0005	15:25	\delta JOB#005	USER	Waiting to print.
_		0000	10:20	000#0U0	Vacn	warung to print
	Ľ	0007	15:25	JOB#007	USER	Waiting to print.
	Ĵ	0008	15:25	JOB#008	USER	Waiting to print.
	Cle		15:25	Details	Cancel	Waiting to print.

• To cancel all jobs, press [Select All] → press [Cancel].

My Job Status			us	Status		Log	
$\checkmark$		Job No.	Time	Job Name	User	Status	
	₿	0001	15:25	JOB#001	USER	Printing	
	ľ	0002	15:25	🏐 JOB#002	USER	Waiting to print.	1/
	ľ	0003	15:25	JOB#003	USER	Waiting to print	
	ľ	0004	15:25	🆾 Job#004	USER	Waiting to print	
	ľ	0005	15:25	JOB#005	USER	Waiting to print	
	ľ	0006	15:25	JOB#006	USER	Waiting to print	
	ľ	0007	15:25	🍊 Job#007	USER	Waiting to print	
	Ĵ	0008	15:25	400 JOB#008	USER	Waiting to print	
	1	ect All		Details	Cance	A-Seci	

1	My Jo	ob Stati	us	Status	L	og	
~		Job No.	Tixe	Job Name	User	Status	
1	3	0001	15:25	JOB#001	USER	Printing	
2	Ľ	0002	15:25	JOB#002	USER	Waiting to print	1/1
3	Ľ	0003	15:25	JOB#003	USER	Waiting to print	171
4	Ľ	0004	15:25	JOB#004	USER	Waiting to print.	$\overline{}$
5	Ľ	0005	15:25	JOB#005	USER	Waiting to print.	
6	Ľ	0006	15:25	JOB#006	USER	Waiting to print.	
7	Ľ	0007	15:25	JOB#007	USER	Waiting to print.	
8	P	0008	15:25	67. JOB#008	USER	Waiting to print	)
	Cle	ar		Details	Cancel	A.Seci	

### 4 Press [Yes].

My Job Status	Status	Log
	Yes	Print 1/1 Int Int Int
		Cancel G.,Secured

If you do not want to cancel, press [No].

#### NOTE

- You cannot cancel other users' jobs. However, if you are logged in as an Administrator, you can cancel the other users' jobs.
- 'NG' is displayed in the print job log screen for cancelled print jobs.

### Handling Jobs from the System Monitor Screen

To cancel jobs from the System Monitor screen, follow the steps below.



### **2** Press [Status].

If necessary, see the screen shot in step 2 of "Checking Jobs from the System Monitor Screen," on p. 2-7.

**3** Select the job to be cancelled  $\rightarrow$  press [Cancel].



#### NOTE

You cannot select and cancel multiple jobs.

### **4** Press [Yes].

5	Status		_og	1	
Job No.		b Name > o cancel?	User	Status	t
Print Next		Yes	D	No	
Сору	Send	Fax	Print	Receive	Device
💰 0001 Text	t1	Print	ting		Done 🔺

If you do not want to cancel, press [No].

### Ø NOTE

'NG' is displayed in the print job log screen for cancelled print jobs.

### 5 Press [Done].

The screen returns to the Basic Features screen.

### **Cancelling All Operations (Reset Printer)**

You can delete (reset) print data in memory and any jobs being processed.

#### IMPORTANT

- If the machine is being used in a network, please note that resetting the printer function may affect data being received from other users.
- If you reset the printer function, data is deleted for print jobs that have already been received, or
  received while the printer function is being reset. However, in some cases, the data is not deleted from
  the machine's memory, and the print job may not print correctly. Canon recommends that you reset the
  printer function to delete the data and print the job again.

### **1** Display the desired screen with the following procedure.

Press  $\textcircled{O} \rightarrow$  [Printer Settings]  $\rightarrow$  [Utility]  $\rightarrow$  [Reset Printer].

### **2** Press [Yes].

Printer Settings	
🛞 Reset Printer	
Is it OK to initialize the printer?	
Yes No	
Done	اد
System M	lonitor

If you do not want to reset the printer, press [No].

### **3** Press [Done].

The screen returns to the Basic Features screen.

You can temporarily stop jobs currently being processed or waiting to be processed.

### Handling Jobs from the Print Basic Features Screen

To stop jobs temporarily from the Print Basic Features screen, follow the steps below.

### **1** Press $[\rightarrow] \rightarrow [Print Job].$

#### 🧷 NOTE

- You can display the Print Basic Features screen as the initial screen when you turn ON the main power or Auto Clear initiates with "Initial Function and Function Order Settings" in Common Settings (from the Additional Functions screen). (See Chapter 4, "Customizing Settings," in the Reference Guide.)
- Depending on the system configuration, the Print Basic Features screen or the function key is displayed in the front page of the touch panel display as the initial screen.

### **2** Press either [My Job Status] or [Status].

If necessary, see the screen shot in step 2 of "Checking Jobs from the Print Basic Features Screen," on p. 2-3.

### **3** Select the job to be stopped $\rightarrow$ press [Details].



### 4 Press [Pause].

	Set Time	> 2005 10/17 15:25
	Dept. ID	D
	Job Type	Printer
	Document Name	> J0B#002
	User	D USER
	Received Size	D 123 Byte
	Rasterized Pages	▷ 3
	Sheets	D 1/ 1
(	Pause Form Feed	Auto Continue Done

The print job will stop temporarily.

#### NOTE

While printing is paused, [Pause] changes to [Resume]. If you press [Resume], the print job will continue.

### 5 Press [Done].

The screen returns to the Basic Features screen.

#### Handling Jobs from the System Monitor Screen

To stop jobs temporarily from the System Monitor screen, follow the steps below.

### **1** Press [System Monitor] → [Print].

### 2 Press [Status].

If necessary, see the screen shot in step 2 of "Checking Jobs from the System Monitor Screen," on p. 2-7.

**3** Select the job to be stopped  $\rightarrow$  press [Details].



### **4** Press [Pause].



The print job will stop temporarily.

#### Ø NOTE

While printing is paused, [Pause] changes to [Resume]. If you press [Resume], the print job will continue.

### 5 Press [Done].

The screen returns to the Basic Features screen.

### Form Feeding Print Data

If a job is cancelled from the computer or received data does not fill one full page, the data remains in the machine's memory. In this case, the print job may not finish properly; the data can no longer be received and a following job cannot be processed. If this happens, force the data to be form fed.

### 🕛 IMPORTANT

You can use 'Form Feed' to print data remaining in memory. If you do not want to print data, follow the procedure "Cancelling All Operations (Reset Printer)," on p. 2-14.

### Handling a Job from the Print Basic Features Screen

To force a job to be form fed from the Print Basic Features screen, follow the steps below.

### **1** Press $[\rightarrow] \rightarrow [Print Job].$

#### 🧷 NOTE

- You can display the Print Basic Features screen as the initial screen when you turn ON the main power or Auto Clear initiates with "Initial Function and Function Order Settings" in Common Settings (from the Additional Functions screen). (See Chapter 4, "Customizing Settings," in the Reference Guide.)
- Depending on the system configuration, the Print Basic Features screen or the function key is displayed in the front page of the touch panel display as the initial screen.

### **2** Press either [My Job Status] or [Status].

If necessary, see the screen shot in step 2 of "Checking Jobs from the Print Basic Features Screen," on p. 2-3.

### **3** Select the job to be form fed $\rightarrow$ press [Details].

If necessary, see the screen shot in step 3 of "Handling Jobs from the Print Basic Features Screen," on p. 2-15.

### **4** Press [Form Feed].

Set Time	2005 10/17 15:25
Dept. ID	D
<ul> <li>Job Type</li> </ul>	Printer
Document Name	▷ J0B#001
User	> USER
Received Size	123 Byte
Rasterized Pages	▷ 🗌 3
Sheets	Þ 🖳 1/1
Pause	Auto Continue Dane

### 5 Press [Done].

The screen returns to the Basic Features screen.

### Handling a Job from the System Monitor Screen

To force a job to be form fed from the System Monitor screen, follow the steps below.

**1** Press [System Monitor] → [Print].

### 2 Press [Status].

If necessary, see the screen shot in step 2 of "Checking Jobs from the System Monitor Screen," on p. 2-7.

### **3** Select the job to be form fed $\rightarrow$ press [Details].

If necessary, see the screen shot in step 3 of "Handling Jobs from the System Monitor Screen," on p. 2-16.

### **4** Press [Form Feed].

Status	: Printing	
	Set Time	> 2005 10/17 17:59
	Dept. ID	Þ
	Job Type	Printer
	Document Name	D Text1
	User	D USER
	Received Size	123 Byte
	Rasterized Pages	▷ : 3
	Sheets	D 1/ 1
	Pause Form Feed	Auto Continue

### **5** Press [Done].

The screen returns to the Basic Features screen.

### **Skipping an Error During Printing**

If an error occurs during printing, you may be able to continue printing depending on the error by pressing [Auto Continue]. However, an error is only temporarily cleared. Data may also not be printed correctly. For information on types of errors that can be temporarily cleared with Auto Continue, see "When a Message Is Displayed," on p. 5-3.

### Handling a Job from the Print Basic Features Screen

To bypass an error and continue printing from the Print Basic Features screen, follow the steps below.

### Press $[\rightarrow] \rightarrow [Print Job].$

#### 🧷 NOTE

- You can display the Print Basic Features screen as the initial screen when you turn ON the main power or Auto Clear initiates with "Initial Function and Function Order Settings" in Common Settings (from the Additional Functions screen). (See Chapter 4, "Customizing Settings," in the Reference Guide.)
- Depending on the system configuration, the Print Basic Features screen or the function key is displayed in the front page of the touch panel display as the initial screen.

### **2** Press either [My Job Status] or [Status].

If necessary, see the screen shot in step 2 of "Checking Jobs from the Print Basic Features Screen," on p. 2-3.

**3** Select the job with an error to be skipped  $\rightarrow$  press [Details].



### **4** Press [Auto Continue].

Set Time	> 2006 01/27 17:29
Dept. ID	Þ
<ul> <li>Job Type</li> </ul>	Printer
Document Name	Document1.pdf
<ul> <li>User</li> </ul>	> USER
Received Size	179 M Byte
Rasterized Pages	Þ 📃 172
Sheets	▷ 및 0 / 0
Pause Form Fee	Auto Continue
	Done

### 5 Press [Done].

The screen returns to the Basic Features screen.

### Handling a Job from the System Monitor Screen

To bypass an error and continue printing from the System Monitor screen, follow the steps below.

### **1** Press [System Monitor] $\rightarrow$ [Print].

### **2** Press [Status].

If necessary, see the screen shot in step 2 of "Checking Jobs from the System Monitor Screen," on p. 2-7.

**3** Select the job with an error to be skipped  $\rightarrow$  press [Details].



### **4** Press [Auto Continue].

•	Set Time		2006 01/27 17:29
•	Dept. ID		
•	Job Type		🕓 Printer
•	Document Name	D	Document1.pdf
•	User		USER
	Received Size	D	179 M Byte
	Rasterized Pages		172
	Sheets		0/0
F	ause	_	Auto Continue Done

5

### Press [Done].

The screen returns to the Basic Features screen.

### **Printing Secured Documents**

You can print out documents (print data) that have been assigned a password and sent to this machine from a computer. Documents with a password are called "secured documents." Secured documents sent to this machine are displayed with a locked document icon ( ) in the iob list in the touch panel display, and are gueued for printing.

To print these documents, you need to enter the correct password. This prevents unauthorised people who do not know the password from printing or accessing the documents.

### 

- Only a logged-in user can print secured documents (including encrypted secured documents) if a login service is being used.
- Setting for assigning a password at the computer is made with the printer driver.
- If the main power is turned OFF or [Reset Printer] is performed (See p. 3-38), any secured documents in the machine are erased.
- Secured documents are erased after they are printed.
- You cannot change the print settings of secured documents (set through the printer driver).
- Secured documents will automatically be erased even if not printed. The Job Securing Time setting enables you to specify how long a job will be stored before it is erased. (See p. 3-14.)
- The number of secured documents that can be stored at one time (including encrypted secured documents) is 50. If the number of jobs exceeds the maximum storable number, those jobs will be ignored.
- A large secured print job with many pages may be cancelled by the machine. A cancelled secured print job does not appear on the Print Job status screen. The machine can store up to 6,000 pages per secured print job; however, if the machine is being used for other jobs or operations, such as the storing of documents in inboxes, the actual number of pages per secured print job that the machine can process is fewer than 6,000.

### Handling Jobs from the Print Basic Features Screen

To print secured documents from the Print Basic Features screen, follow the steps below.

### Press [→] → [Print Job].

#### 🧷 NOTE

- You can display the Print Basic Features screen as the initial screen when you turn ON the main power or Auto Clear initiates with "Initial Function and Function Order Settings" in Common Settings (from the Additional Functions screen). (See Chapter 4, "Customizing Settings," in the Reference Guide.)
- Depending on the system configuration, the Print Basic Features screen or the function key is displayed in the front page of the touch panel display as the initial screen.

### 2 р

### Press either [My Job Status] or [Status].

If necessary, see the screen shot in step 2 of "Checking Jobs from the Print Basic Features Screen," on p. 2-3.

# 3 Select the secured document that you want to print $\rightarrow$ press [Secured Print].

To display only secured documents (including encrypted secured documents) in the [Status] list, select [Secured Print] at 'Select Type'.



.

**4** Enter the password using  $\bigcirc$  - 9 (numeric keys)  $\rightarrow$  press [OK].

Scan	Veb Access 💁 Print Job		$\rightarrow$
My Job Status	sured Print		
	tter the password using the n	umeric keys.	
	Cancel	ок	

Printing starts.

To cancel printing the secured document, press [Cancel] on the Secured Print screen.



- You cannot simultaneously select secured documents and encrypted secured documents from the job list to clear their passwords.
- Enter the same password that you originally assigned to the document at the computer. This will enable printing. If there is a current or reserved job, it will be queued for printing.
- If multiple or all secured documents have the same password, you can select them and clear their passwords simultaneously.

### Handling Jobs from the System Monitor Screen

To print secured documents from the System Monitor screen, follow the steps below.



If "Allow Secured Print from Print Status Screen" in System Settings (from the Additional Functions screen) is set to 'OFF', you cannot print a secured print job from the System Monitor screen. (The default setting is 'OFF'.)

### **1** Press [System Monitor] → [Print].

### **2** Press [Status].

If necessary, see the screen shot in step 2 of "Checking Jobs from the System Monitor Screen," on p. 2-7.

# **3** Select the secured document that you want to print $\rightarrow$ press [Secured Print].



**4** Enter the password using 0 - 9 (numeric keys)  $\rightarrow$  press [OK].

	û—Secured Print ≌t, Enter the password using th	e numeric keys.	→ 1/1 マ
Print Next	Cancel	ОК	
Copy		int Receive	Device
			Done 🚽

#### Printing starts.

To cancel printing the secured document, press [Cancel] on the Secured Print screen.



- You cannot simultaneously select secured documents and encrypted secured documents from the job list to clear their passwords.
- Enter the same password that you originally assigned to the document at the computer. This will enable printing. If there is a current or reserved job, it will be queued for printing.

### 5 Press [Done].

The display returns to the Basic Features screen.

### **Printing Encrypted Secured Documents**

You can print out documents (print data) that have been encrypted and sent to this machine from a computer.

Print data that are encrypted using this machine are called "encrypted secured documents." Since the data is encrypted, security is enhanced at the queued stage. Encrypted secured documents sent to this machine are displayed with a locked document icon with a dotted pattern ( ) in the job list in the touch panel display, and are queued for printing. To print these documents, you need to enter the correct password. This prevents unauthorised people who do not know the password or are not logged in from printing or accessing the documents.

Document data is encrypted before being sent to this machine. This allows you to print within a more highly secured environment compared to a secured document.

For detailed information on encrypted secured documents and instructions on printing, please refer to the *User's Guide* included in the Encrypted Secure Print Software.

### IMPORTANT

- To use the Encrypted Secured Print function, the Encrypted Secure Print Software is required.
- If "Allow Secured Print from Print Status Screen" in System Settings (from the Additional Functions screen) is set to 'OFF', you cannot print an encrypted secured print job from the System Monitor screen. (The default setting is 'OFF'.)
- You can receive print jobs only for encrypted secured documents with this machine if "Only Allow Encrypted Secured Documents" in System Settings (from the Additional Functions screen) is set to 'ON'. A job will be cancelled and an error message displayed if a print job other than an encrypted secured print job is received. (The default setting is 'OFF'.)
- Only a logged-in user can print encrypted secured documents (including secured documents) if a login service is being used.
- If the main power is turned OFF or [Reset Printer] is performed (See p. 3-38), any encrypted secured documents in the machine are erased.
- Encrypted secured documents are erased after they are printed.
- You cannot change the print settings of encrypted secured documents (set through the printer driver).
- Encrypted secured documents will automatically be erased even if not printed. The Job Securing Time setting enables you to specify how long a job will be stored before it is erased. (See p. 3-14.)
- The number of encrypted secured documents that can be stored at one time (including secured documents) is 50. If the number of jobs exceeds the maximum storable number, those jobs will be ignored.
- A large encrypted secured print job with many pages may be cancelled by the machine. A cancelled encrypted secured print job does not appear on the Print Job status screen. The machine can store up to 6,000 pages per encrypted secured print job (including secured documents). However, if the machine is being used for other jobs or operations, such as the storing of documents in inboxes, the actual number of pages per encrypted secured print job that the machine can process is fewer than 6,000.

# 3 CHAPTER

# **Printer Settings Menu**

This chapter describes how to use the Printer Settings menu and its submenus.

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Paper Feed
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# An Overview of Printer Settings

The following table lists all settings of the Printer Settings menu.

#### Settings Menu

Item	Settings	Applicable Page
Copies	1 to 9999; 1*	р. 3-6
2-Sided Printing	On, Off*	р. 3-6
Paper Feed		
Default Paper Size*1	Letter, Legal, A4*, A3, A5, 11x17, Executive, Statement, Envelope Monarch, Envelope COM10, Envelope DL, Envelope ISO-B5, Envelope ISO-C5	p. 3-7
Default Paper Type <sup>*1</sup>	Plain Paper*, Transparency, Heavy Paper, Recycled Paper, Color Paper, Tracing Paper, Labels, Bond Paper, Envelope	p. 3-7
Paper Size Override	On, Off*	р. 3-8
Print Quality		
Image Refinement	On*, Off	р. 3-8
Density*2	1 to 9; 5*	р. 3-8
Toner Save	On, Off*	р. 3-9
Line Refinement	On, Off*	р. 3-9
Layout		
Binding Location	Long Edge <sup>*</sup> , Short Edge	p. 3-10
Margin	-50 to +50 mm; 0.0* mm	p. 3-11
Offset X	-50 to +50 mm; 0.0* mm	p. 3-13
Offset Y	-50 to +50 mm; 0.0* mm	p. 3-13
Auto Continue	On, Off*	p. 3-14
Job Securing Time	1 hour <sup>*</sup> , 2 hours, 3 hours, 6 hours, 12 hours, 24 hours	
Timeout	Timeout (5 to 300 seconds), Off; 15* seconds	p. 3-15
Print After Completing RIP	On, Off*	p. 3-15

Item	Settings	Applicable Page
	Off <sup>*</sup> , Collate, Rotate+Collate, Rotate+Group, Offset+Collate, Offset+Group, Staple+Collate, Staple+Group	
Finishing	Staple position (Staple+Collate): Corner (Upper-L), Double (Top), Corner (Upper-R), Double (Right), Corner (Lower-R), Double (Bottom), Corner (Lower-L), Double (Left)	p. 3-16
	Staple Position (Staple+Group): Grp Upp L-Corner, Grp Double(Top), Grp Upp R-Corner, Grp Double(R), Grp Lwr R-Corner, Grp Double(Btm), Grp Lwr L-Corner, Grp Double(L)	
Punch	Off*, Top, Bottom, Left, Right	p. 3-20
Booklet	On, Off*	p. 3-21
Saddle Stitch*3	On, Off <sup>*</sup>	p. 3-22
Transparency Interleaving*4	Off*, Blank, Printed	p. 3-23
Copy Set Numbering <sup>*5</sup>		
Copy Set Numbering	On, Off*	p. 3-24
Print Position	5 Locations <sup>*</sup> , Top Left, Bottom Left, Top Right, Bottom Right, Full Surface	p. 3-25
Starting Number	1 to 9999; 1*	p. 3-25
Number Size	Small (12 point), Medium (24 point), Large (36 point)*	p. 3-25
Density	1 to 5; 3*	p. 3-25
Number Position Vertical	-8 to +8 mm; 0* mm	p. 3-26
Number Position Horizontal	-8 to +8 mm; 0* mm	p. 3-26
Personality <sup>*1*6</sup>	PS, PCL*, Imaging	p. 3-26
Initialize		p. 3-27

An asterisk (\*) indicates the default setting.

<sup>11</sup> The menu information will not be delivered even if the Device Information Delivery Settings mode is used. For instructions on Device Information Delivery Settings mode, please refer to "Specifying Device Information Delivery Settings," in the *Reference Guide*.

\*2 Indicates a menu that appears only when Toner Save is set to 'Off'.

\*3 Indicates a menu that appears only when Booklet is set to 'On'

\*4 Indicates a menu that appears only when Copy Set Numbering is set to 'Off'.

\*5 Indicates a menu that appears only when Transparency Interleaving is set to 'Blank' or 'Printed'.

\*6 Settings are not applicable when printing in the UFR II Printer.

#### ■ UFR II Settings

Item	Settings	Applicable Page
Halftones		

Item	Settings	Applicable Page
Text	Resolution*, Gradation, Tone	
Graphics	Resolution, Gradation, Tone*	p. 3-28
Image	Resolution, Gradation, Tone*	
Paper Save	On <sup>*</sup> , Off	p. 3-28

An asterisk (\*) indicates the default setting.

#### PCL/PS Settings

Item	Settings	Applicable Page
PCL'7		
Orientation	Portrait*, Landscape	p. 3-29
Font Number*1	0 to 120; 0*	p. 3-29
Point Size*1	4.00 to 999.75 point; 12.00* point	p. 3-29
Pitch*1	0.44 to 99.99 cpi; 10.00° cpi	p. 3-30
Form Lines	5 to 128 lines; 64* lines	p. 3-30
Symbol Set	DESKTOP, ISO4, ISO6, ISO11, ISO15, ISO17, ISO21, ISO60, ISO69, ISOL1, ISOL2, ISOL5, ISOL6, LEGAL, MATH8, MCTEXT, MSPUBL, PC775, PC8*, PC850, PC852, PC8DN, PC8TK, PC1004, PIFONT, PSMATH, PSTEXT, ROMAN8, VNINTL, VNMATH, VNUS, WIN30, WINBALT, WINL1, WINL2, WINL5	p. 3-30
Custom Paper	On, Off*	p. 3-30
Unit of Measure*8	Millimeters*, Inches	p. 3-30
X dimension*8	148 to 432 mm; 432* mm	p. 3-31
Y dimension*8	99 to 297 mm; 297* mm	p. 3-31
Append CR to LF	Yes, No*	p. 3-32
Enlarge A4 Print Width	On, Off*	р. 3-33
PS*9		
Job Timeout	0 to 3600 seconds; 0* seconds	p. 3-34
Wait Timeout	0 to 3600 seconds; 300* seconds	p. 3-34
Print PS Errors	On, Off*	p. 3-34

An asterisk (\*) indicates the default setting.

 $^{\ast 7}$  Indicates a menu that appears only for the PCL or PS Printer.

\*8 Indicates menus that appear only when Custom Paper is set to 'On'.

\*9 Indicates a menu that appears only for the PS Printer.

<sup>\*1</sup> The menu information will not be delivered even if the Device Information Delivery Settings mode is used. For instructions on Device Information Delivery Settings mode, please refer to "Specifying Device Information Delivery Settings," in the Reference Guide.

#### Imaging Settings

Item	Settings	Applicable Page
Image Orientation	Auto*, Vertical, Horizontal	p. 3-35
Zoom	Off*, Auto	p. 3-35
Print Position	Auto*, Center, Top Left	p. 3-36
Show Warnings	On*, Off	p. 3-36
Enlarge Print Area	Off*, On	p. 3-36

An asterisk (\*) indicates the default setting.

#### Utility Menu

Item	Settings	Applicable Page
Initialize PCL Hard Disk*7	_	p. 3-37
Initialize PS Hard Disk*9	_	p. 3-37
Reset Printer	_	p. 3-38

\*7 Indicates a menu that appears only for the PCL or PS Printer.

\*9 Indicates a menu that appears only for the PS Printer.

## Settings Menu

#### Copies

1 to 9999; 1\*

This setting enables you to specify the number of copies printed. The default setting is '1', but you can specify up to 9999 copies.

#### 2-Sided Printing

#### On, Off\*

This parameter selects one-sided or two-sided printing. When 2-Sided Printing is specified, the document is printed on both sides of the paper.

#### NOTE

- Two-sided printing can use either the paper drawer or the stack bypass in sizes of A3, JIS-B4, A4, A4R, JIS-B5, JIS-B5R, A5R, 11" x 17", LGL, LTR, LTRR, STMTR, and EXEC.
- Two-sided printing can use paper within the following range: - 64 g/m<sup>2</sup> to 90 g/m<sup>2</sup>
- When printing on letterhead paper, or paper with a logo (such as a cover sheet), please note the following:
  - If the paper is fed from a paper drawer, the printing surface should be face down.
  - If the paper is fed from the stack bypass or the optional paper deck, the printing surface should be face up.

#### Paper Feed

#### Default Paper Size

Letter, Legal, A4\*, A3, A5, 11" x 17", Executive, Statement, Envelope Monarch, Envelope COM10, Envelope DL, Envelope ISO-B5, and Envelope ISO-C5

This parameter defines the default paper size used when the paper size cannot be set within the application software, when no paper source is specified.

### IMPORTANT

If you are printing from an OS that does not have a printer driver for the machine (MS-DOS, UNIX, etc.), make sure that the paper loaded in the paper drawer matches the paper size specified in this setting. If the paper size specified in this setting is not available, an error message is displayed when the machine tries to print the job and the machine stops. In addition, if a paper source has not been selected through the application, the machine automatically selects the default print settings for the paper size and type. (See Chapter 4, "Customizing Settings," in the Reference Guide.)

#### Default Paper Type

Plain Paper\*, Transparency, Heavy Paper, Recycled Paper, Color Paper, Tracing Paper, Labels, Bond Paper, and Envelope

This parameter sets the default paper type to be used for print jobs. This machine has internally defined optimal print modes for each specified paper type.

### IMPORTANT

If you are printing from an OS that does not have a printer driver for the machine (MS-DOS, UNIX, etc.), make sure that the paper loaded in the paper drawer matches the paper type specified in this setting. If the paper type specified in this setting is not available, an error message is displayed when the machine tries to print the job, and the machine stops. In addition, if a paper source has not been selected through the application, the machine automatically selects the default print settings for the paper type and size. (See Chapter 4, "Customizing Settings," in the Reference Guide.)

#### NOTE

- Use the following figures as a guideline to decide whether paper should be specified as Plain Paper or Heavy Paper.
  - Plain Paper: 64 g/m<sup>2</sup> to 90 g/m<sup>2</sup>
  - Heavy Paper: 91 g/m<sup>2</sup> to 128 g/m<sup>2</sup>
- Canon transparency film is recommended for printing on transparencies.
- Canon label paper is recommended for printing on labels.
- Heavy Paper, Transparency, Tracing Paper, Labels, Bond Paper, and Envelope cannot be printed using two-sided printing.

#### Paper Size Override

#### On, Off\*

If paper of the size that is set in the printer driver has not been loaded in the paper drawer, the paper that is printed is changed to the following sizes.

Printer Driver Setting	Paper
A4	Letter
Letter	A4
A3	11" x 17"
11" x 17"	A3

If [On] is selected, the paper size is changed.

If [Off] is selected, the paper supply message is displayed and the paper size is not changed.

#### NOTE

The paper size does not change if there is no paper in the paper source of the size that is set in the printer driver, even if Paper Size Override is set to 'On'.

#### Print Quality

#### Image Refinement

On\*, Off

This setting smoothes the jagged outlines of characters and graphics.

If [On] is selected, smoothing is performed before printing.

If [Off] is selected, jobs are printed without being smoothed.

#### NOTE

The results of image refinement may be different depending on the types of characters and graphics you want to print.

#### Density

#### 1 to 9; 5\*

This setting adjusts the print density.

Pressing [Dark] makes the print image darker, pressing [Light] makes the image lighter. This setting has 9 levels you can adjust, with level '5' (middle level) being the default setting.

#### 🥟 NOTE

This menu is only displayed if the Toner Save option is set to 'Off'.

#### Toner Save

#### On, Off\*

This setting determines whether Toner Save is enabled. Toner Save uses less toner to print documents and may result in longer toner life.

### Ø NOTE

If [On] is selected for Toner Save, very light or finely detailed images may not be printed clearly.

#### Line Refinement

#### On, Off\*

This setting allows clearer printing of fine lines and small characters, or when you want to print characters and lines thicker.

#### Ø NOTE

- This setting remains in effect even when the printer job is sent to a box.
- Selecting [On] for this setting may result in abrupt changes in gradation with halftone images.

#### Binding Location

#### Long Edge\*, Short Edge

This parameter determines whether the binding position is along the long edge or the short edge of the paper. When binding for two-sided printing, the image orientation is automatically adjusted for correct layout.

When the binding position is on the long edge of the paper:



When the binding position is on the short edge of the paper:



#### Ø NOTE

- You cannot create a binding margin with this setting alone. Use this setting in combination with the Margin setting to create a binding margin.
- For two-sided printing, the orientation of the image on the back side of the page may be changed by this setting.

#### -50.0 to +50.0 mm (in increments of 0.5 mm); 0.0\* mm

This setting sets the page margin in millimeters. The settings can be set in increments of 0.5 mm (0.01 inches) between -50.0 mm (-1.90 inches) and +50.0 mm (+1.90 inches).

Use [  $\blacktriangle$  ] to increase the width of the inside margin.

Use [ igcup ] to increase the width of the outside margin.



You can specify the edge along which the margin will be created in the Binding Location setting (previous setting). To create a margin along one of the edges of the paper, use this setting in combination with the Binding Location setting.

### IMPORTANT

If this setting moves the image outside the printable area, part of the image may be cut off.

#### NOTE

- If this setting is used in combination with the Offset X/Offset Y setting, the values of the two settings are added together.
- Pressing [▲] increases the setting value by 0.5 mm (0.01 inches) each time the key is pressed. Pressing [▼] decreases the value by 0.5 mm (0.01 inches) each time. Holding down either [▲] or [▼] continuously speeds up the value alteration.



#### Offset X/Offset Y

#### -50.0 to +50.0 mm (in increments of 0.5 mm); 0.0\* mm

This setting sets the offset position in millimeters. The settings can be set in increments of 0.5 mm (0.01 inches) between -50.0 mm (-2.00 inches) and +50.0 mm (+2.00 inches).

The print position is adjusted in the vertical or horizontal direction to the value specified in the setting value.

You can increase or decrease the setting in increments of 0.5 mm (0.01 inches) to adjust the print position, as described below.

**Offset X:** Increasing the setting value moves the image in the rightward X direction on the paper. Decreasing the setting value moves the image in the leftward X direction on the paper.

**Offset Y:** Increasing the setting value moves the image in the downward Y direction on the paper. Decreasing the setting value moves the image in the upward Y direction on the paper.



#### 🕛 IMPORTANT

Please note that if the print position is adjusted to place print data outside the printable area, the portion outside the printable area is not printed.

#### Ø NOTE

- If this setting is used in combination with the Margin setting, the values of the two settings are added together.
- Pressing [▲] increases the setting value by 0.5 mm (0.01 inches) each time the key is pressed. Pressing [▼] decreases the value by 0.5 mm (0.01 inches) each time. Holding down either [▲] or [▼] continuously speeds up the value alteration.

#### On, Off\*

This setting enables you to automatically clear an error and continue printing when an error occurs (Error skip).

If [On] is selected, error skips are performed automatically.

If [Off] is selected, you must perform error skips from the touch panel display.

#### NOTE

- For instructions on performing an error skip from the touch panel display, see "Skipping an Error During Printing," on p. 2-20.
- Error skip only temporarily clears an error, so the data may not print correctly.
- For information on types of errors that can be temporarily cleared with Auto Continue, see "When a Message Is Displayed," on p. 5-3.
- This setting is valid even if multiple errors have occurred.

#### Job Securing Time

#### 1 hour\*, 2 hours, 3 hours, 6 hours, 12 hours, and 24 hours

When a secured print job is sent to the machine, it is stored on the machine's hard disk, and a password must be entered before the job can be printed. This setting specifies how long the job will be stored before it is automatically cancelled.

#### NOTE

- Even if the time period specified with this setting has not elapsed, the print job data is deleted if the main power to the machine is switched OFF.
- The password is set from the printer driver.
### Timeout

Timeout (5 to 300 seconds), Off; 15\* seconds

This setting enables you to force jobs to finish if no data is received during the set period of time.

If Timeout is 'On', jobs can finish automatically. For example, if print data still remains in the machine because a form feed command cannot be processed, the paper can be fed automatically.

If Timeout is 'Off', jobs will not end automatically.

### 🕛 IMPORTANT

- If this function is set so that a job will timeout, the machine may end a print job before all the data has been received if it takes a long time for the PC to send the data. If this occurs, adjust the length of the Timeout setting.
- If [Off] is selected, you will not be able to make copies until print jobs that use the Staple and Punch settings have been completed.
- If you send data from a printer driver that is not compatible with the machine, and the end of job
  command is not received within the time set in this setting, the machine cancels the job, which
  may cause the data to be printed incorrectly.

### 🧷 NOTE

When a job is being processed, the Processing/Data indicator on the control panel blinks green.

### Print After Completing RIP

### On, Off\*

This setting sets whether to use the Print After Completing RIP function.

RIP (Raster Image Processor) is used for advanced graphical representation.

If Print After Completing RIP is enabled, the first page is printed after all the pages in the job have been processed.

Although it may take longer to print the first page, the remaining pages in the job will be printed more quickly. This is useful when several people are using the machine or when using another function, such as the Copy function, because the printing time for a print job is reduced.

### IMPORTANT

Please note that the memory of the machine can store up to 8,000 pages. When you send a secured document to be stored in the memory to be printed at a later time, and the memory is full (already reached its maximum capacity), your document will not be stored. The memory may be full because the machine is being used for other functions (such as storing a document in an inbox or storing a form) or other jobs, which use memory space.

Off\*, Collate, Rotate+Collate, Rotate+Group, Offset+Collate, Offset+Group, Staple+Collate, and Staple+Group

Staple Position (Staple+Group): Corner (Upper-L), Double (Top), Corner (Upper-R), Double (Right), Corner (Lower-R), Double (Bottom), Corner (Lower-L), and Double (Left)

Staple Position (Staple+Group): Grp Upp L-Corner, Grp Double(Top), Grp Upp R-Corner, Grp Double(R), Grp Lwr R-Corner, Grp Double(Btm), Grp Lwr L-Corner, and Grp Double(L)

Some of the above options require specific optional equipment and may not be available unless appropriate optional equipment is installed:

✓: Available

X: Unavailable

	No Options	Inner 2way Tray-D1, Copy Tray -J1	Finisher-S1	Finisher-AE1, Saddle Finisher-AE2
Collate	1	1	1	1
Rotate+Collate	1	1	×	×
Rotate+Group	1	1	×	X
Offset+Collate	×	X	1	1
Offset+Group	×	×	1	1
Staple+Collate	×	×	1	1
Staple+Group	×	×	1	1

You can choose from several features when collating printed matter.

### Off

This setting prints all copies of the same page before printing the next page.

### Collate

This setting prints all pages of each copy before printing the next copy.

### Rotate+Collate

This setting prints all pages of each copy (collating), and rotates every other complete copy 90 degrees to indicate where each copy starts.

### Rotate+Group

This setting prints all copies of the same page before printing the next page. It rotates every other complete set of pages to indicate where each new set starts.

### Offset+Collate

This setting prints all pages of each copy (collating), and offsets every other complete copy to indicate where each copy starts.

### Offset+Group

This setting prints all copies of the same page before printing the next page. It offsets every other complete set of pages to indicate where each new set starts.

### Staple+Collate

This setting prints all pages of each copy (collating) and prepares them for stapling according to the option selected for Staple+Collate.

### Staple+Group

This setting prints all copies of the same page before printing the next page, and prepares them for stapling according to the option selected for Staple+Group.

Examples of each Finisher option when printing three copies of a three page document:



### IMPORTANT

Please note that the memory of the machine can store up to 8,000 pages. When you send a secured document to be stored in the memory to be printed at a later time, and the memory is full (already reached its maximum capacity), your document will not be stored. The memory may be full because the machine is being used for other functions (such as storing a document in an inbox or storing a form) or other jobs, which use memory space.



- [Rotate+Collate] and [Rotate+Group] are available for selection if the paper size is A4, A4R, JIS-B5, JIS-B5R, LTR, or LTRR.
- If [Rotate+Collate] or [Rotate+Group] is selected, part of the print image may be cut off when the image is rotated. You need to load the same size paper as the original in the paper drawers in both landscape and portrait positions. If you do not, all the sheets will be printed in the orientation that the loaded paper is in.
- [Offset+Group] and [Offset+Collate] are available for selection in combination with the following optional units and paper sizes.
  - If the Finisher-S1 is attached: A3, JIS-B4, A4, A4R, JIS-B5, 11" x 17", LGL, LTR, or LTRR.
  - If the Finisher-AE1 or Saddle Finisher-AE2 is attached: A3, JIS-B4, A4, A4R, JIS-B5, 11" x 17", LGL, LTR, LTRR, or EXEC.
- When you select [Staple+Collate] or [Staple+Group], you can select the stapling position.



• When you are stapling paper in landscape orientation, the image orientation and the staple position may not match.

 [Staple+Collate] or [Staple+Group] is available for selection if the paper size is A3, JIS-B4, A4, A4R, JIS-B5, 11" x 17", LGL, LTR, LTRR, or EXEC. Available staple locations depend on paper size and image orientation, as shown.

Finisher-AE1/Saddle Finisher-AE2					•	: Availa : Unava			
Staple Position Paper Size	Corner (Upper-	Double (Top)	Corner (Upper- Right)	Double (Right)		Double (Bottom)			Capacity (Sheets)
11" × 17"	1	1	1	X	1	1	1	X	30
LGL	1	1	1	X	1	1	1	X	30
LTR	1	X	1	1	1	X	1	1	50
LTRR	1	X	✓*	X	1	X	∕*	X	50
EXEC	1	X	1	1	1	x	1	1	50
A3	1	1	1	X	1	1	1	X	30
JIS-B4	1	1	1	X	1	1	1	X	30
A4	1	X	1	1	1	X	1	1	50
A4R	1	X	✓*	x	1	x	∕*	x	30
JIS-B5	1	X	1	1	1	×	1	1	50

\* Will be stapled parallel to the edge of the paper.

• The maximum number of sheets that can be stapled is 30 for A4R, A3, JIS-B4, LGL, and 11" x 17", 50 for A4, JIS-B5, LTR, LTRR, and EXEC. If the number of sheets is greater than the limit, they will not be stapled.

Finisher-S1			•	: Availa : Unava	
Staple Position Paper Size		Corner (Upper- Right)	Corner (Lower- Right)		Capacity (Sheets)
11" × 17"	X	1	X	1	30
LGL	X	1	X	1	30
LTR	1	X	1	X	50
LTRR	X	1	X	~	50
EXEC	1	x	1	X	50
A3	X	1	X	1	30
JIS-B4	X	1	X	1	30
A4	1	X	1	×	50
A4R	x	1	x	1	50
JIS-B5	1	X	1	X	50

- The maximum number of sheets that can be stapled is 30 for A3, JIS-B4, LGL, and 11" x 17", 50 for A4, A4R, JIS-B5, LTR, LTRR, and EXEC. If the number of sheets is greater than the limit, they will not be stapled.
- Make sure to select compatible settings when using Staple and Punch simultaneously. If conflicting settings are selected, such as the staple setting for the right side of the paper and the punch setting for the left, the printer will use neither Staple nor Punch.

### Off\*, Top, Bottom, Left, and Right

This setting enables you to specify the desired paper position for two holes to be punched for binding.

- This menu is only displayed for selection in combination with the following optional units.
  - If the Finisher-S1 is attached to the Puncher Unit-Q1.
  - If the Finisher-AE1 or Saddle Finisher-AE2 is attached to the Puncher Unit-L1.
- Acceptable paper sizes for this option are A3, JIS-B4, A4, A4R, JIS-B5, JIS-B5R, 11" x 17", LGL, LTR, LTRR, and EXEC.
- Make sure to select compatible settings when using Staple and Punch simultaneously. If conflicting settings are selected, such as the staple setting for the right side of the paper and the punch setting for the left, the printer will use neither Staple nor Punch.
- Holes cannot be punched in Transparency, Envelope, Tracing paper, and Labels.

### On, Off\*

This setting enables you to prepare the printout for binding as a booklet. Booklet printing is a process whereby two pages of data are printed on the front and back of one page and it is folded in half to create a book.

If [On] is selected, the pages are bound on the left side.



### ] IMPORTANT

Please note that the memory of the machine can store up to 8,000 pages. When you send a secured document to be stored in the memory to be printed at a later time, and the memory is full (already reached its maximum capacity), your document will not be stored. The memory may be full because the machine is being used for other functions (such as storing a document in an inbox or storing a form) or other jobs, which use memory space.

### NOTE

- This menu is only displayed if the Saddle Finisher-AE2 is attached.
- This function is available for selection if the image paper size is A4, A5, JIS-B5, Letter, or Statement. The data for these page sizes is printed on the following paper. (See the Help function on the printer driver.)

Page Size	Paper
A4	A3
A5	A4R
JIS-B5	JIS-B4
Letter	11" x 17"
Statement	Letter-R

• If the pages are not all the same size, this function will not work.

• The [Margin] or [Offset X/Offset Y] settings is invalid if this function is set to 'On'.

### On, Off

This setting enables you to bind a finished print job by stapling and folding the pages of a booklet in the centre.



### 🕛 IMPORTANT

Please note that the memory of the machine can store up to 8,000 pages. When you send a secured document to be stored in the memory to be printed at a later time, and the memory is full (already reached its maximum capacity), your document will not be stored. The memory may be full because the machine is being used for other functions (such as storing a document in an inbox or storing a form) or other jobs, which use memory space.

- This menu is only displayed if the Saddle Finisher-AE2 is attached.
- This menu is only displayed if Booklet is set to 'On'.
- If the print job contains only one sheet of paper, the paper will be folded but not stapled.
- The maximum number of sheets that can be saddle stitched is 15. If the number of sheets is greater than this, they will not be saddle stitched.
- The number of copies of a saddle stitched booklet that can be made at one time is limited as shown below:

Number of sheets in	Max. number of copies	
each booklet	that can be printed	
1-15	15	

### Off\*, Blank, and Printed

If you are printing on transparencies, you can use this setting to output a sheet of paper after each transparency. The paper can be blank, or it can be a paper copy of the transparency.

If [Off] is selected, no sheets are interleaved with the transparencies.

If [Blank] is selected, a blank sheet of paper is inserted between each transparency.

If [Printed] is selected, a printed paper from the print job is inserted between each transparency.

When [Blank] or [Printed] is selected, you can set Transparency Interleaving to print multiple copies in the number specified in [Copies] settings.

- This menu is only displayed if Copy Set Numbering is set to 'Off'.
- When printing multiple copies, the Offset+Group for the Finisher option cannot be used.
- If [Printed] is selected, the paper printouts are included in the Prints count. However, if [Blank] is selected, they are not included in the Prints count.

### Copy Set Numbering

### Copy Set Numbering

### On, Off\*

This setting enables you to print documents with a five digit serial number in the background on each copy.

Copy numbers are printed in the following methods:

00001	00001		
000	01		
00001	00001-	—Copy Number—	+00001

When printing three copies of a six page document:



### ) IMPORTANT

If this setting is used in combination with [Forced Secure Watermark Mode (print)] in System Settings (from the Additional Functions screen), this setting is invalid. For details on the Forced Secure Watermark Mode function, see Chapter 6, "System Manager Settings," in the Reference Guide.

- While the machine is operating in this setting, you cannot use Offset+Group modes for the Finisher option. Instead, Group is automatically used.
- If the copy number has fewer than five digits, the machine prints it as follows:
  - Example: If the copy number is 10  $10 \rightarrow 00010$
- Copy numbers are not printed on blank pages (pages with no data).
- If this setting is used in combination with [Margin] or [Offset X/Offset Y], part of the copy number may be cut off.
- This menu is only displayed if the Transparency Interleaving option is set to 'Blank' or 'Printed'.
- If the number of printed copies exceeds '99999', it returns to '00001'.

### Print Position

5 Locations\*, Top Left, Bottom Left, Top Right, Bottom Right, and Full Surface

This setting enables you to specify the position of the copy numbers to be printed. You can select to print numbers in all five positions, in each corner, or over the entire page. The default is set to '5 Locations'.



### NOTE

This menu is only displayed if the Copy Set Numbering option is set to 'On'.

### Starting Number

1 to 9999; 1\*

This setting enables you to specify the copy number to start numbering. The default is '1' (printed as 00001), but you can specify up to '9999' (printed as 09999).

### NOTE

This menu is only displayed if the Copy Set Numbering option is set to 'On'.

### Number Size

Small (12 point), Medium (24 point), and Large (36 point)\*

This setting enables you to select the size of copy number from [Small], [Medium], and [Large] ('12.0 pt.', '24.0 pt.', and '36.0 pt.'). The default is set to 'Large (36 point)'.

### Ø NOTE

This menu is only displayed if the Copy Set Numbering option is set to 'On'.

### Density

### 1 to 5; 3\*

This setting enables you to adjust the number density and has 5 levels you can adjust, with level '3' (middle level) being the default setting. Selecting '1' makes the number lighter, and selecting '5' makes it darker.

### Ø NOTE

This menu is only displayed if the Copy Set Numbering option is set to 'On'.

-8 to +8 mm (in increments of 1 mm); 0\* mm

The position of the copy numbers specified with [Print Position] can be finely adjusted by offsetting them in the horizontal or vertical directions. The adjustment can be made in increments of 1 mm (1/16 inches) between -8 mm (-5/16 inches) and +8 mm (+5/16 inches).

You can increase or decrease the setting value to adjust the print position of the copy numbers, as described below.

**Number Position Vertical:** Increasing the setting value moves the print position in the downward direction of the paper. Decreasing the setting value moves the print position in the upward direction of the paper.

**Number Position Horizontal:** Increasing the setting value moves the print position to the right. Decreasing the setting value moves the print position to the left.



### 🕛 IMPORTANT

Please note that if the print position is adjusted to place the digits of the copy numbers outside the printable area, the portion outside the printable area is not printed.

### Ø NOTE

- This setting is only effective for the print position of copy numbers. When adjusting print position (other than the copy numbers), perform the setting with [Offset X/Offset Y]. (See p. 3-13.)
- This menu is only displayed if the Copy Set Numbering option is set to 'On'.

### Personality

### PS, PCL\*, and Imaging

This setting enables the machine to process data received from the host computer in the specified data format. You can change the setting manually to match the type of data you are sending from the host computer.

The menu settings can be reset to the factory defaults by initialising the printer settings.

If you select Initialize, the confirmation message <Is it OK to initialize the settings?> is displayed. If you select [Yes], the settings are initialised. If you select [No], the settings are not initialised.

### MPORTANT

Do not turn OFF the machine while the settings are being initialised, as doing so may damage the machine's memory.

# UFB II Settings

### Halftones

Text: Resolution\*, Gradation, and Tone Graphics: Resolution, Gradation, and Tone\* Image: Resolution, Gradation, and Tone\*

This setting specifies how to express halftones in black and white data.

Print data is expressed in dots. Fine gradations, edges, and shades are expressed by using dither patterns, which are groups of dots. This is called halftone processing.

For example, using a pattern that sharpens character and line edges, or a pattern that smoothens image and graph gradation, enables you to obtain the most suitable texture.

If 'Resolution' is selected, you can print text with distinct outlines, which is best to print text and thin lines.

If 'Gradation' is selected, you can print with both smooth gradation and outlines, which is best to print graphs and graphics that use gradation.

If 'Tone' is selected, you can print with sharp gradation and well-balanced texture, contrasting light and shade, which is best for printing images.

### Paper Save

### On\*, Off

This setting specifies whether to output a blank page when software does not send print data between End Page codes.

If 'On' is selected, a blank page is not output, thus saving paper.

If 'Off' is selected, a blank page is output.

# Printer Settings Menu

# PCL/PS Settings

### Ø NOTE

- PCL setting menu is only displayed for the PCL or PS Printer.
- PS setting menu is only displayed for the PS Printer.

PCL

### Orientation

### Portrait\*, Landscape

This setting enables you to set the paper orientation.

If [Portrait] is selected, the print image is printed in portrait orientation regardless of the orientation of the paper in the paper drawers.

ABCDE

If [Landscape] is selected, the print image is printed in landscape orientation regardless of the orientation of the paper in the paper drawers.

ABCDE
Landaaana

Landscape

### Font Number

0 to 120; 0\*

You can set the default font typeface for this printer function using the corresponding font numbers. Valid font numbers are from 0 to 120.

### Point Size

4.00 to 999.75 point (in increments of 0.25 points); 12.00\* point

If the number selected in Font Number is that of a proportionally spaced scalable font, this option appears in the PCL menu. It enables you to specify a point size for the default font. The point size can be adjusted in increments of 0.25 pts.

0.44 to 99.99 cpi (in increments of 0.01 cpi); 10.00\* cpi

If the number selected in Font Number is that of a fixed pitch scalable font, Pitch appears in the PCL menu. It enables you to specify the pitch for the default font. The pitch can be adjusted in increments of 0.01 cpi (characters per inch).

### Form Lines

5 to 128 lines; 64\* lines

This setting enables you to specify the number of lines to be printed on a page. You can specify from 5 to 128 lines.

### Symbol Set

DESKTOP, ISO4, ISO6, ISO11, ISO15, ISO17, ISO21, ISO60, ISO69, ISOL1, ISOL2, ISOL5, ISOL6, LEGAL, MATH8, MCTEXT, MSPUBL, PC775, PC8°, PC850, PC852, PC8DN, PC8TK, PC1004, PIFONT, PSMATH, PSTEXT, ROMAN8, VNINTL, VNMATH, VNUS, WIN30, WINBALT, WINL1, WINL2, and WINL5

This setting enables you to select the symbol set most suited to the needs of the host computer.

### Custom Paper

### On, Off\*

This setting enables you to specify a custom paper size. If [On] is selected, you can enter a custom size.

### 🖉 NOTE

You can only select the custom paper size entered with settings from the printer driver.

### Unit of Measure

Millimeters\*, Inches

This setting enables you to specify the unit of measurement you would like to use to specify your custom paper size.

### NOTE

This menu is only displayed if the Custom Paper option is set to 'On'.

### X dimension

### 148 to 432 millimeters; 432\* millimeters

This setting enables you to specify the X dimension of the custom paper. The X dimension can be adjusted between 148 mm (5.83 inches) and 432 mm (17.00 inches) in increments of 1.0 mm (0.01 inches).

This function can be very useful when part of the printed image is cut off. Increasing this dimension may allow some of the missing text to be correctly printed. Make sure you do not increase the X dimension beyond the actual size of the paper you are using for printing.

### NOTE

This menu is only displayed if the Custom Paper option is set to 'On'.

### Y dimension

99 to 297 millimeters; 297\* millimeters

This setting enables you to specify the Y dimension of the custom paper. The Y dimension can be adjusted between 99 mm (3.90 inches) and 297 mm (11.69 inches) in increments of 1.0 mm (0.01 inches).

This function can be very useful when part of the printed image is cut off. Increasing this dimension may allow some of the missing text to be correctly printed. Make sure you do not increase the Y dimension beyond the actual size of the paper you are using for printing.

NOTE

This menu is only displayed if the Custom Paper option is set to 'On'.

### Append CR to LF

### Yes, No\*

This setting enables you to specify whether to append a carriage return (CR) when line feed code (LF) is received.

If [Yes] is selected, the print head moves to the beginning of the next line when line feed code is received.

If [No] is selected, the print head moves down to the next line when line feed code is received, and the margin does not change (such as to the beginning of the next line).



### Enlarge A4 Print Width

### On, Off\*

This setting determines whether to expand the printable area of A4 size paper to that of Letter size in width.

If [On] is selected, all the area on a page 4.23 mm (1/6 inches) from the top and bottom edges and 1.28 mm (1/20 inches) from the left and right edges is available for printing on A4 paper. Only the width increases.

If [Off] is selected, all the area on a page 4.23 mm (1/6 inches) from the top, bottom, left, and right edges is available for printing on A4 paper.



Settings	'On'	'Off'	
A: Length	288.54 mm (11 1/3 inches)		
B: Width	203.22 mm (8 inches)	201.54 mm (7 7/8 inches)	
C: Left and right edges	3.39 mm (11/80 inches)	4.23 mm (1/6 inches)	
D: Top and bottom edges	4.23 mm (1/6 inches)		



### • This setting is applicable for A4 paper only.

• This setting is applicable for portrait orientation only.

### Job Timeout

0 to 3600 seconds; 0\* seconds

This setting enables you to specify the amount of time before a job times out. If a job has not finished within the set time limit, the job automatically cancels.

### Wait Timeout

0 to 3600 seconds; 300\* seconds

This setting enables you to specify the amount of time the machine will wait for data sent from the host computer before it times out. If data is not received within the set time limit, the job automatically cancels.

### Print PS Errors

### On, Off\*

This setting determines whether an error page is printed when an error is encountered.

# Imaging Settings

Settings on this menu specify how to print TIFF (Tagged Image File Format) and JPEG (Joint Photographic Experts Group) images that are sent directly to the machine using the Remote UI or command prompt.

### NOTE

The paper size used is determined by the paper size specified when the data is sent to the machine. If no paper size is specified, the paper size specified in the Settings Menu is used.

### Image Orientation

Auto\*, Vertical, and Horizontal

This setting specifies whether to print an image vertically or horizontally.

If [Auto] is selected, orientation is automatically adjusted by comparing length and width of the image. If the width is greater, the image is printed horizontally. If the length is greater, the image is printed vertically.

If [Vertical] is selected, the image is printed vertically regardless of its dimensions.

If [Horizontal] is selected, the image is printed horizontally regardless of its dimensions.

### Zoom

Off\*, Auto

This setting enlarges or reduces the size of an image to match the printable area of the paper size specified.

If [Auto] is selected, the size of the image is automatically enlarged or reduced to match the printable area of the specified paper size. If the size of the image is larger than the printable area, it is automatically reduced. If the size of the image is smaller than the printable area, it is automatically enlarged.

- If there is blank space in the top, bottom, left, and right edges when using this setting, use the [Print Position] setting in combination with this setting to adjust the print position.
- This setting uses the same ratio for both the length and width to enlarge or reduce the size of the image.
- Even if [Off] is selected, the image size is automatically reduced if it is larger than the printable area of the specified paper size.



Auto\*, Center, and Top Left

This setting specifies the print position for the image.

If [Auto] is selected, the image is printed in the specified position of the paper if the print position for the image is specified. If the print position is not specified, the image is printed in the centre of the paper.

If [Center] is selected, the image is printed in the centre of the paper regardless of whether the print position of the image is specified.

If [Top Left] is selected, the image is printed in the top left of the paper regardless of whether the print position of the image is specified.

### NOTE

As the TIFF file format does not contain print position information, TIFF images are printed in the centre of the paper even if [Auto] is selected.

### Show Warnings

### On<sup>\*</sup>, Off

This setting specifies the action to be taken if an error associated with printing an image occurs on the machine.

If [On] is selected, the print job is cancelled, and an error message is displayed.

If [Off] is selected, the print job is cancelled, and an error message is not displayed.

### NOTE

Depending on the error, an error message may be displayed even if [Off] is selected.

### Enlarge Print Area

### Off\*, On

This setting specifies whether to enlarge the printable area on the paper.

If [Off] is selected, the printable area is 5 mm (1/5 inches) from the top, bottom, left and right edges of the specified paper size.

If [On] is selected, the printable area is 2.5 mm (1/10 inches) from the top, bottom, left and right edges of the specified paper size.

# Utility Menu

### 🧷 NOTE

- PCL hard disk initialisation is only displayed for the PCL or PS Printer.
- PS hard disk initialisation is only displayed for the PS Printer.

### Initialize PCL Hard Disk

If trouble occurs when fonts or macros are downloaded from a personal computer to this machine using the download utility, initialise the PCL hard disk partition.

For details, see "If Trouble Occurs When Downloading Fonts or Macros from a Personal Computer," on p. 5-10.

### 🕛 IMPORTANT

- This function can only be selected if the System Management Mode is set.
- Never initialise the PCL hard disk when the machine is operating normally. Before initialising, be sure to read "If Trouble Occurs When Downloading Fonts or Macros from a Personal Computer," on p. 5-10.

### Initialize PS Hard Disk

If trouble occurs when fonts or macros are downloaded from a personal computer to the machine using the download utility, initialise the PS hard disk partition.

For details, see "If Trouble Occurs When Downloading Fonts or Macros from a Personal Computer," on p. 5-10.



- This function can only be selected if the System Management Mode is set.
- Never initialise the PS hard disk when the machine is operating normally. Before initialising, be sure to read "If Trouble Occurs When Downloading Fonts or Macros from a Personal Computer," on p. 5-10.

If you want to clear all print jobs in progress as well as data that has been received in memory, you must reset the printer function. Resetting the printer deletes print jobs in the machine's memory and the print data that has been received by all interfaces.

### Ø NOTE

- If the machine is being used in a network, please note that resetting the printer function may affect data being received from other users.
- If you reset the printer function, data may be deleted for print jobs that have already been
  received, or received while the printer function is being reset. However, in some cases, the data
  is not deleted from the machine's memory, and the print job may not print correctly. Canon
  recommends that you reset the printer function to delete the data and print the job again.
- If you have downloaded fonts to the machine from a Macintosh computer, you need to restart the machine or reset the printer function from this menu, in order to enable the downloaded fonts when spool printing.



# **Report Settings Menu**

This chapter describes how to use the Report Settings menu to check the configuration of the print function or print a font list. This menu is only applicable for the PCL or PS Printer.

An Overview of Report Settings	4-2
PCL Menu	
Configuration Page	.4-3
Font List	.4-3
PS Menu	4-4
Configuration Page	.4-4
Font List	.4-4

# An Overview of Report Settings

The following table lists all settings of the Report Settings menu.

### NOTE

This menu is only displayed for the PCL or PS Printer.

### Printer Menu

Item	Settings	Applicable Page
PCL		
Configuration Page	—	p. 4-3
Font List	—	p. 4-3
PS		
Configuration Page	_	p. 4-4
Font List	_	p. 4-4





### **Configuration Page**

Details of RAM capacity, settings in the printer's menus, etc., are printed.

If you select Configuration Page, the confirmation message <Print the Configuration page?> is displayed. If you select [Yes], the configuration page is printed, and if you select [No], it is not printed.

### Font List

ID numbers, names, and samples of fonts held by the printer are printed.

If you select Font List, the confirmation message <Print the Font list?> is displayed.

If you select [Yes], the font list is printed, and if you select [No], it is not printed.

# PS Menu

### **Configuration Page**

Details of RAM capacity, settings in the printer's menus, etc., are printed.

If you select Configuration Page, the confirmation message <Print the Configuration page?> is displayed. If you select [Yes], the configuration page is printed, and if you select [No], it is not printed.

### Font List

Names and samples of fonts held by the printer are printed.

If you select Font List, the confirmation message <Print the Font list?> is displayed. If you select [Yes], the font list is printed, and if you select [No], it is not printed.

# 5 CHAPTER

# Troubleshooting

This chapter explains how to solve printing problems and the remedial steps to take if printing fails.

Responding to Error Messages	
When a Message Is Displayed	5-3
Printing Problems	5-7 5-8
If Trouble Occurs When Downloading Fonts or Macros from a Personal Computer	5-10

# **Responding to Error Messages**

When the Error indicator is orange, printing is not possible. If this happens during printing, the print operation stops. Read the displayed error message to determine the appropriate actions necessary to correct the problem.

This section describes how to handle error messages that appear on the touch panel display. The two types of error messages are:

- Service Call Messages
- Error Messages



Other messages that may appear indicate the current condition of the machine.

### **Resetting the Machine After a Service Call Message**

If a Service Call message occurs (Exxx-xxxx, where x represents a number), use the following procedure to clear the message.

### 

If necessary, see the screen shots in step 1 of "Accessing the Printer Settings Menu," on p. 1-11.

### **2** Press [Printer Settings].

When a Service Call error occurs, the normal Printer Settings screen does not appear and only the Reset Printer screen appears.

### **3** Press [Reset Printer].

### ] IMPORTANT

If the Service Call error message still appears after you have performed this procedure, make a note of the number of the message and contact your local authorised Canon dealer with the number of the message and the conditions when the error occurred.

# When a Message Is Displayed

If the printer is unable to print for some reason, the Error indicator lights up and a message indicating the cause of the problem is displayed on the touch panel display. When these messages are displayed, take the appropriate action to solve the problem.

### 🧷 NOTE

- If a message indicating another problem occurs at the same time as the first error message, a warning message will not be displayed.
- If the message is shown with the "Error Skip" mark, you can bypass the error and continue printing by
  pressing [Error skip]. However, if you do this, print data may be lost or the data may not be printed
  correctly. If you want to cancel the procedure, cancel the print job to remove the cause of the problem,
  and print the data again.
- For instructions on performing an error skip from the touch panel display, see "Skipping an Error During Printing," on p. 2-20.
- For instructions on cancelling a print job from the touch panel display, see "Cancelling Print Jobs," on p. 2-10.

E730-1001 PDL Initialize Error	Service Call

- Cause An error occurred during the initialisation of the printer function.
- Remedy Perform a printer reset to try to initialise the function again. (See "Reset Printer," on p. 3-38.) If this error persists, contact your local authorised Canon dealer.

### E730-100A PDL Service Call

CauseAn internal error has occurred.RemedyPerform a printer reset to try to initialise the function again. (See "Reset Printer," on p. 3-38.)If this error persists, contact your local authorised Canon dealer.

E730-100B PDL Font Error

Cause A master font error has occurred.

Remedy Perform a printer reset to try to initialise the function again. (See "Reset Printer," on p. 3-38.) If this error persists, contact your local authorised Canon dealer.

### PDL Font Memory Full

Cause The machine's memory space allocated for fonts is full and printing cannot proceed.

Remedy Change the font setting in the printer driver and try printing again. Alternatively reduce the complexity of the print job by reducing the number of fonts that need to be downloaded to the machine.

Service Call

Service Call

Error Skip

PDL HD Erro	pr	Error Skip		
Cause	The printer has reported a hard disk error.			
Remedy	Perform a reset and try printing again. (See "Reset Printer," on p. 3-38.) If the problem persists, contact your local authorised Canon dealer.			
PDL Image N	Memory Full	Error Skip		
Cause	The machine's memory space allocated for images is full and printing cannot p	proceed.		
Remedy	Change the image setting in the printer driver and try printing again. Alternative complexity of the print job by reducing the number of images that need to be d the machine.			
PDL IMG Init	ial. Err			
Cause	An error occurred during the initialisation of the function.			
Remedy	Cancel the job and then perform a printer reset to initialise the function again. Printer," on p. 3-38.) If this error persists, contact your local authorised Canon			
PDL IMG Inv	alid Data	Error Skip		
Cause	There is data in the TIFF or JPEG images that cannot be processed by the ma	achine.		
Remedy	Cancel the job and try printing the data again.			
PDL IMG Pro	ocess. Error			
Cause	An error occurred while processing data.			
Remedy	Cancel the job and then perform a printer reset to initialise the function again. Printer," on p. 3-38.) If this error persists, contact your local authorised Canon			
PDL IMG Wo	ork Memory Full	Error Skip		
Cause	There is not enough memory necessary to process TIFF or JPEG images.			
Remedy	Cancel the job and try printing the data again.			
PDL Macro N	Memory Full	Error Skip		
Cause	The machine's memory space allocated for macros is full and printing cannot	proceed.		
Remedy	Change the macro setting in the printer driver and try printing again. Alternativ complexity of the print job by reducing the number of macros that need to be o the machine.			
PDL Memory	/ Full	Error Skip		
Cause	The machine's memory is full and printing cannot proceed.			
Remedy	Change the mode setting in the printer driver and try printing again, or reduce to of the print job by reducing the number of fonts, macros, images, or patterns the downloaded to the machine.			

Cause	The machine's memory space allocated for patterns is full and printing cannot proceed.		
Remedy	Change the pattern setting in the printer driver and try printing again. Alternatively reduce the complexity of the print job by reducing the number of patterns that need to be downloaded to the machine.		
PDL UFR II D	DL Mem. Full Error Skip		
Cause	There is not enough memory to register the character set.		
Remedy	Set the Graphics Mode in the UFR II printer driver to 'Raster Mode' and print the data again. (See the Help function on the UFR II printer driver.)		
NOTE	Continue is selected, this error is skipped automatically. (See "Auto Continue," on p. 3-14.)		
PDL UFR II L	ayout Error Skip		
Cause	The page layout cannot be processed due to lack of memory.		
Remedy	Set the Graphics Mode in the UFR II printer driver to 'Raster Mode' and print the data again. (See the Help function on the UFR II printer driver.)		
NOTE	Continue is selected, this error is skipped automatically. (See "Auto Continue," on p. 3-14.)		
PDL UFR II \	/ersion Err Error Skip		
Cause	The machine received data from an incompatible UFR II version.		
Remedy 1	Install a UFR II printer driver for use with iR 3045/iR 3035/iR 3025 and print the data again.		
Remedy 2	Perform [Error Skip] and continue printing. However, the data will not be printed correctly.		
PDL UFR II V	Vork Mem Full Error Skip		
Cause	The work memory for the UFR II mode is full.		
Remedy	Set the Graphics Mode in the UFR II printer driver to 'Raster Mode' and print the data again. (See the Help function on the UFR II printer driver.)		
NOTE	Continue is selected, this error is skipped automatically. (See "Auto Continue," on p. 3-14.)		
PDL Warning	]		
Cause	An internal error has occurred for the printer function.		
Remedy	Perform a printer reset to try to initialise the function again. If this error persists, contact your local authorised Canon dealer.		

PDL Pattern Memory Full

Error Skip

Syntax Error	· Error Skip
Cause	Data that cannot be processed by the machine was sent while printing in UFR II mode.
Remedy	Perform [Error Skip] and continue printing. However, the data will not be printed correctly.

# The number of secured jobs stored in the machine has exceeded the maximum capacity of 50 jobs, or the total number of pages that are stored or are in jobs has exceeded the limit (8,000 pages).

Remedy Delete other secured jobs, or wait until those jobs have finished printing, then print again.

# Printing Problems

If you have trouble printing, we recommend resolving the problems with the following remedies.

### NOTE

Cause 1

Please contact your local authorised Canon dealer if a problem persists, or if you encounter problems not listed below.

There is data remaining in the printer's memory. (The Processing/Data indicator is blinking or

### **Printer Trouble**

The printer does not work.

lit.)

Remedy Print out the data. (See Chapter 5, "Checking Job and Device Status," in the Reference Guide.)

- Cause 2 There is a problem with the printer or the software.
- Remedy Look at the message on the display and act accordingly. (See "When a Message Is Displayed," on p. 5-3.)

Printing stops before the job is complete.

- Cause There is data remaining in the printer's memory. (The Processing/Data indicator is blinking or lit.)
- Remedy Print out the data. (See Chapter 5, "Checking Job and Device Status," in the *Reference* Guide.)

You cannot print a job or store a job.

- Cause The total number of pages in all jobs (maximum capacity is 8,000 pages) or size of the data in the hard disk has exceeded the limit which can be processed.
- Remedy 1 Delete other processes, documents, or forms stored in the box, cancel other jobs being processed, or wait until those jobs are finished, then print again.
- Remedy 2 Divide the job, then print again.

You cannot store a secured print iob.

Cause

## **Printing Problems**

Meaningless	characters	are	being	printed.

Cause 1	You have printed from Windows without installing the printer driver for Windows that was included with the machine.
Remedy	Install the printer driver for Windows that was included with the machine and print the data again. (See Chapter 2, "Getting Started," in the <i>PCL Driver Guide</i> , the <i>PS Driver Guide</i> , or the <i>UFR II Driver Guide</i> .)
Cause 2	MS-DOS application software printer settings are incompatible.
Remedy	Reset the MS-DOS application software printer settings on a printer that is compatible with the machine. (See the application software manual.)
A font that is	different from the one specified is printed.
Cause	The 'Send According to Font Substitution Table' setting has been set on the printer driver for Windows.
Remedy	Set the 'Send According to Font Substitution Table' setting to the correct setting and print the data again. (See the Help function on the printer driver.)
You cannot p	print the last page.
Cause	The command that identifies the end of the data has not been sent from the PC. (The Processing/Data indicator is blinking or lit.)
Remedy	Clear the print data. (If you print from application software that does not have a print function and the last page of data is not a full page, the data will remain in the machine's memory.) (See Chapter 5, "Checking Job and Device Status," in the <i>Reference Guide</i> .)
A print job th	at you have specified as two-sided printing is printed on one side of the paper.
Cause 1	The paper size you have specified is not supported by two-sided printing.
Remedy	Change the print job settings and print the data again.
Cause 2	The settings for the front and back sides of the paper are different.

Remedy Change the print job settings and print the data again.
The data does not fit on the page properly.

Cause 1 The paper is not in the correct position. Make sure the machine is set correctly and try printing again. (See Chapter 7, "Routine Remedv Maintenance," in the Reference Guide.) Cause 2 The data is outside the printable area. Remedy 1 Insert margins around the data and print the data again. (See the Help function on the printer driver or the application software manual.) Change the 'Scaling' settings on the printer driver and print the data again. (See Chapter 3. Remedv 2 "Basic Print Options" in the PCL Driver Guide, the PS Driver Guide, or the UFR II Driver Guide.) The printing location has slipped. Cause 1 Margin, Offset X, or Offset Y in the printer settings menu have been changed. Remedy Set Margin, Offset X, and Offset Y to '0.0' and print the data again. (See "Margin," on p. 3-11, and "Offset X/Offset Y," on p. 3-13.) Cause 2 The application software's top margin and paper location settings are not correct. Remedy Set the correct settings for the top margin and the paper location and print the data again. (See the application software manual.) Data that should be printed on the same page is printed on two separate pages. Cause The application software's "Line spacing" and "Number of lines on a page" settings are not correct. Remedy Change the settings so that the data fits on one page and print the data again. (See the application software manual.)

# **Print Quality Problems**

The printout is too light or too dark.

Cause 1	The toner density settings are not correct.
Remedy	Adjust the toner density and print the data again. (See "Density," on p. 3-8.)
Cause 2	Toner Save is set to 'On'.
Remedy	Set Toner Save to 'Off' in the printer driver and print the data again. (See the Help function on the printer driver.)

NOTE

You can also perform the same procedure from the touch panel display. (See "Toner Save," on p. 3-9.)

# If Trouble Occurs When Downloading Fonts or Macros from a Personal Computer

If trouble occurs when fonts or Macros are downloaded from a personal computer to this machine and the problem cannot be resolved by reinstalling, follow the steps explained in this section to initialise the hard disk partition.

## 🕛 IMPORTANT

- Only the system administrator for the machine can initialise the hard disk. Contact the system administrator to execute this procedure.
- The font or Macros information downloaded to the hard disk is deleted by initialising the hard disk.
- Do not turn OFF the power when the hard disk is initialising. This may damage the machine.

#### NOTE

- The hard disk cannot be initialised in the following conditions:
  - When print data is being received or printed. (It is recommended that you remove the cable connecting the machine to the hub, so it does not receive print data.)
- When fonts are being installed or uninstalled.
- The steps explained below are for initialising the PCL Hard Disk partition.
- To initialise the PS Hard Disk partition, follow the same steps, except that for step 5, select [Initialize PS Hard Disk].

## Set System Management Mode.

#### 🥟 NOTE

Before setting System Management Mode, a system manager ID and system password must be set. For details on settings, see Chapter 6, "System Manager Settings," in the Reference Guide.

# 2 Press ⊚.

If necessary, see the screen shots in step 1 of "Accessing the Printer Settings Menu," on p. 1-11.

# **3** Press [Printer Settings].

If necessary, see the screen shots in step 2 of "Accessing the Printer Settings Menu," on p. 1-11.

# 4 Press [Utility].



# **5** Press [Initialize PCL Hard Disk].

) Util	ity
•	Initialize PCL Hard Disk
-	Initialize PS Hard Disk
•	Reset Printer
	Done

A confirmation message appears.

#### Ø NOTE

If you cannot press [Initialize PCL Hard Disk], the hard disk cannot be initialised. Check whether System Management Mode is set or if the machine is processing a job, and start with Step 1 again.

# 6 Press [Yes].

Printer Settings	
🛞 Initialize PCL Hard Disk	
All information, fonts will be erased. Is this GK?	
Yes No	
	ine 🔟
🔟 System Management Mode	ystem Monitor )

If you do not wish to initialise the hard disk, press [No].

The following screen is displayed and the hard disk is initialised. During initialisation, the Processing/Data indicator blinks green.

Common Settings	Copy Settings
<ul> <li>Timer Settings</li> </ul>	Communications Settings
Adjustment/Cleaning	🎯 Mail Box Settings
TReport Settings	C Printer Settings
,	Address Book Settings
System Settings	
	Done

When the initialisation of the hard disk is completed, the Processing/Data indicator goes out.

The duration of the hard disk initialisation process depends on the number of fonts and macros on the hard disk.

#### 🕛 IMPORTANT

- Do not turn OFF the power until the Processing/Data indicator goes out. Doing so may damage the machine.
- If the following screen is displayed after pressing [Yes], the hard disk has not been initialised. Check whether print data is received and retry.

Printe           R         Util	r Settings ity	
	Initialize PCL Hard Disk	•
•	Initialize PS Hard Disk	,
•	Reset Printer	,
	<b>V</b> 1	
		Done
D System	Management Mode	System Monitor



# Appendix

This chapter shows print samples for different fonts, describes font information, including sources and font lists, and lists a summary of the specifications for the machine.

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# Some Basic Facts about Fonts

This section summarises some of the basic facts you should know about fonts.

# What Is a Font?

A font is a collection of letters and symbols used when printing a document. In general, a group of letters and symbols sharing a common design is referred to as a font. A font consists of the letters A to Z in both upper and lowercase, digits, and symbols.

The design that distinguishes one font from another is referred to as a "typeface." Each font has a typeface name, such as Courier, CG Times, Letter Gothic, etc.

# **Attributes of Fonts**

All fonts share some common characteristics, which are called "attributes." The typeface is one such attribute. The letters and symbols that are actually printed are determined by the values of a collection of these attributes.

Typeface	The design of the letters (e.g., Courier, CG Times, Helvetica, or Gothic).
Stroke Weight	The thickness of the lines with which the letters are drawn (e.g., bold, medium, or light).
Style	Whether the letters are drawn straight or at an angle (e.g., upright or italic).
Point Size	Height of the letters (e.g., 10 point or 5 point).
Pitch (cpi)	Number of characters that are printed in one inch (e.g., 10 cpi, 12 cpi, or Scale).
Character Width (Fixed/PS)	Indicates whether the character width is set to "Fixed" or "Proportional."
Orientation	Orientation of the characters on a page ("Portrait" or "Landscape").
Symbol Set	The rule that defines the correspondence between the character codes coming from the host computer, and the letter forms that appear on the page (e.g., Roman-8).

# Typeface

Typeface refers to the design of the characters and symbols. The following figure shows an example of some typefaces.

Courier	ABCDEFGHIJKLMNOPQRSTUVWXYZ
CG Times	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Helvetica	ABCDEFGHIJKLMNOPQRSTUVWXYZ

## Stroke Weight

Stroke weight refers to the thickness of the print. There are light, medium, and bold stroke weights. The printer function has medium and bold fonts available. The figure below shows an example of medium and bold printing.

# MEDIUM MEDIUM MEDIUM BOLD BOLD BOLD BOLD BOLD

# Style

Style refers to the shape of the characters. The printer function can print in two styles: upright and italic.

With some fonts, like CourierPS and Letter Gothic, the terms "Oblique" and "Slanted" are used in the same manner as italics.

# UPRIGHT UPRIGHT UPRIGHT

ITALIC ITALIC ITALIC

# Point Size

Point size refers to the height of the character. Character size is measured in points. One inch is divided into 72 points and 1 point is 1/72 of an inch (about 0.35 mm). The printer function has bitmapped fonts and scalable fonts available. The bitmapped fonts are fixed in size, but the scalable fonts are not fixed in size. Scalable fonts are freely scalable to any size you wish in 0.1 point increments. The following figure shows an example of various point sizes.

CGTimes 7pt CGTimes 8pt CGTimes 9pt CGTimes 10pt CGTimes 11pt CGTimes 12pt CGTimes 14pt CGTimes 14pt CGTimes 18pt CGTimes 24pt

NOTE

See "Fonts and Scalable Fonts," on p. 6-6, for more information on bitmapped fonts and scalable fonts.

# Pitch (cpi)

Pitch refers to the number of characters that are printed in one inch. The unit is cpi (characters per inch). As the number of characters per inch increases, the space between characters decreases; as the cpi decreases, the space between characters increases.



# Character Width (Fixed and PS)

Each character has a different width from all the other characters in a font at a given point size. For example, "W" is a wider letter than "I." There are two ways to print letters of different widths: you can print all letters with the same spacing, regardless of their actual width; or you can change the spacing between letters to accommodate these different widths. Printing all letters with the same spacing," while changing the spacing to accommodate different letter widths is called "Fixed spacing."

Because the Fixed spacing method prints all letters with the same spacing, the number of characters which will fit into a given length is a fixed quantity which can be specified.

If the characters are printed with Proportional spacing, then the number of characters that will fit into an inch varies depending on the letters printed.



#### Orientation

Orientation refers to the direction of printing. The printer function can print using two different paper orientations: portrait and landscape. With portrait orientation, text is printed across the width of the paper (short edge), and with landscape orientation, text is printed across the length of the paper (long edge).



# Symbol Set

When you print the letter "A," the host computer sends a code corresponding to "A" (hexadecimal 41 is an example of this) to the machine. This code is referred to as the character code. The machine stores an internal representation of each character, and selects from among these character patterns the pattern corresponding to the received code. In this case, the machine searches for the pattern for "A," and prints it.

#### The process by which letters are printed



The machine uses a fixed rule to decide which letter or symbol corresponds to the character code sent from the host computer. For example, the letter "A" is printed for the hexadecimal code "41." The rule which determines the correspondence between character codes and printed letters is called the "symbol set."

# Fonts and Scalable Fonts

There are two types of fonts available, and these fonts are distinguished by the type of data from which they are formed.

- Bitmapped fonts
- Scalable fonts

# **Bitmapped Fonts**

Each character of bitmapped fonts are composed of a grid of small dots and stored in the machine's memory in dot matrix format.

Bitmapped fonts are fixed in size and specified by characteristics called "attributes," such as typeface, stroke weight, style and so on. Various types of bitmapped fonts are produced by the combination of these attributes.



## Scalable Fonts

With scalable fonts, characters are freely enlarged or compressed from the one point to any size you wish in 0.1 point increments.





# Standard Scalable Fonts (PCL)

With scalable fonts, characters are freely enlarged or compressed from one point to any size you wish in 0.1 point increments. (The maximum range of scaling depends on the size of the memory installed in the machine and the size of the paper used.)

The following scalable typefaces are included with the machine.

Albertus Extra Bold Albertus Medium Antique Olive Antique Olive Bold Antique Olive Italic Arial Arial Bold Arial Bold Italic Arial Italic CG Omega CG Omega Bold CG Omega Bold Italic CG Omega Italic CG Times CG Times Bold CG Times Bold Italic CG Times Italic Clarendon Condensed Coronet Courier Courier Bold Courier Bold Italic Courier Italic CourierPS CourierPS Bold CourierPS Oblique CourierPS Bold Oblique Garamond Antiqua Garamond Halbfett Garamond Kursiv Garamond Kursiv Halbfett Helvetica Helvetica Bold

Helvetica Bold Oblique Helvetica Narrow Helvetica Narrow Bold Helvetica Narrow Bold Oblique Helvetica Narrow Oblique Helvetica Oblique ITC Avant Garde Gothic Book **ITC Avant Garde** Gothic Book Oblique **ITC Avant Garde** Gothic Demi ITC Avant Garde Gothic Demi Oblique ITC Bookman Demi ITC Bookman Demi Italic ITC Bookman Light ITC Bookman Light Italic ITC Zapf Chancery Medium Italic ITC Zapf Dingbats Letter Gothic Letter Gothic Bold Letter Gothic Italic Marigold New Century Schoolbook Bold New Century Schoolbook Bold Italic

New Century Schoolbook Italic New Century Schoolbook Roman Palatino Bold Palatino Bold Italic Palatino Italic Palatino Roman Symbol **SymbolPS** Times Bold Times Bold Italic Times Italic Times New Times New Bold Times New Bold Italic Times New Italic Times Roman Univers Medium Univers Bold Univers Bold Condensed Univers Bold Condensed Italic Univers Bold Italic Univers Medium Italic Univers Medium Condensed Univers Medium Condensed Italic Wingdings

#### OCR Sets Fonts (PCL)

OCR A OCR B

# Bar Code Fonts (PCL)

BC 3 of 9 Thin BC 3 of 9 Light BC 3 of 9 BC 3 of 9 Semi BC 3 of 9 Heavy Code 128 Code 128 Bold Code 128 Condensed Code 128 Condensed Bold Code 128 Expanded Code 128 Expanded Bold Codabar Codabar Condensed Codabar Expanded Interleaved 2 of 5 Light Interleaved 2 of 5 Interleaved 2 of 5 Semi Interleaved 2 of 5 Bold Interleaved 2 of 5 Narrow Light Interleaved 2 of 5 Narrow Interleaved 2 of 5 Narrow Semi Interleaved 2 of 5 Narrow Bold MSI/Plessey PostNet UPC/EAN UPC/EAN Bold UPC/EAN Condensed Bold UPC/EAN Expanded UPC/EAN Expanded Bold

# Symbol Sets (For Scalable Typefaces Only)

The following symbol sets are included with the machine.

3 of 9 Barcode ASCII (ISO6) CODABAR Code 128 Barcode DeskTop Dingbats (14L) Interleaved 2 of 5 ISO 8859-1 Latin1 ISO 8859-10 Latin 6 ISO 8859-2 Latin 2 ISO 8859-9 Latin 5 ISO French (ISO69) ISO German (ISO21) ISO Italian (ISO15) ISO Latin 9 \* ISO Norwegian (ISO60) ISO Spanish (ISO17) ISO Swedish:names (ISO11)

- ISO United Kingdom (ISO4) Legal Math-8 MC Text \* Microsoft Publishing MSI/Plessey OCR-A OCR-B PC-1004 (OS/2) PC-775 PC-8 PC-8 D/N PC-8 Greek CP437 PC-850 PC-852 PC-858 \* PC-860 Portugal PC-865 Norway PC-Turkish
- Pi Font PostNet PS Math \* PS Text Roman-8 Roman 9 \* Symbol UPC/EAN Barcode Ventura International Ventura Math Ventura US Windows 3.0 Latin 1 \* Windows Baltic \* Windows 3.1 Latin 1 \* Windows 3.1 Latin 2 \* Windows 3.1 Latin 5 \* Wingdings

\* Supports the euro symbol.

## PS Fonts (Not available for the UFR II/PCL model)

AlbertusMT AlbertusMT Italic AlbertusMT Light AntiqueOlive Roman AntiqueOliveCE Roman AntiqueOlive Italic AntiqueOliveCE Italic AntiqueOlive Bold AntiqueOliveCE Bold AntiqueOlive Compact AntiqueOliveCE Compact Apple Chancery Apple ChanceryCE ArialMT ArialCE Arial ItalicMT ArialCE Italic Arial BoldMT ArialCF Bold Arial BoldItalicMT ArialCE BoldItalic AvantGarde Book AvantGardeCE Book AvantGarde **BookOblique AvantGardeCE** BookOblique AvantGarde Demi AvantGardeCE Demi AvantGarde DemiOblique **AvantGardeCE** DemiOblique Bodoni **BodoniCE** Bodoni Italic BodoniCF Italic Bodoni Bold

BodoniCE Bold Bodoni BoldItalic BodoniCF BoldItalic Bodoni Poster **BodoniCE** Poster Bodoni PosterCompressed BodoniCF PosterCompressed Bookman Light BookmanCE Light Bookman LightItalic BookmanCE LightItalic Bookman Demi BookmanCE Demi **Bookman Demiltalic** BookmanCE Demiltalic Candid Chicago Chicago CE Clarendon ClarendonCE Clarendon Light ClarendonCE Light Clarendon Bold ClarendonCE Bold CooperBlack CooperBlack Italic Copperplate ThirtyTwoBC Copperplate ThirtyThreeBC Coronet Regular CoronetCE Regular Courier CourierCE Courier Oblique CourierCE Oblique Courier Bold CourierCE Bold

**Courier BoldOblique** CourierCE BoldOblique Eurostile **EurostileCE** Eurostile Bold EurostileCE Bold Eurostile ExtendedTwo EurostileCE ExtendedTwo Eurostile BoldExtendedTwo **EurostileCE** BoldExtendedTwo Geneva GenevaCE GillSans GillSansCE Roman **GillSans Italic GillSansCE** Italic GillSans Bold GillSansCE Bold GillSans BoldItalic GillSansCE BoldItalic **GillSans Condensed** GillSansCE Condensed GillSans BoldCondensed GillSansCE BoldCondensed GillSans Light GillSansCE Light GillSans LightItalic GillSansCE LightItalic GillSans ExtraBold GillSansCE ExtraBold Goudy Goudy Italic Goudy Bold Goudy BoldItalic Goudy ExtraBold

Helvetica HelveticaCE Helvetica Oblique HelveticaCE Oblique Helvetica Bold HelveticaCE Bold Helvetica BoldOblique HelveticaCE BoldOblique Helvetica Condensed HelveticaCE Cond Helvetica Condensed Oblique HelveticaCE CondObl Helvetica Condensed Bold HelveticaCE CondBold Helvetica Condensed BoldObl HelveticaCF CondBoldObl Helvetica Narrow HelveticaCE Narrow Helvetica Narrow Bold HelveticaCF NarrowBold Helvetica Narrow BoldOblique HelveticaCE NarrowBoldOblique Helvetica Narrow Oblique HelveticaCE NarrowOblique HoeflerText Regular HoeflerTextCE Regular HoeflerText Italic HoeflerTextCE Italic HoeflerText Black

HoeflerTextCF Black HoeflerText BlackItalic HoeflerTextCE BlackItalic HoeflerText Ornaments JoannaMT JoannaMTCF JoannaMT Italic JoannaMTCE Italic JoannaMT Bold JoannaMTCE Bold JoannaMT BoldItalic JoannaMTCE BoldItalic LetterGothic LetterGothicCE LetterGothic Slanted LetterGothicCE Slanted LetterGothic Bold LetterGothicCE Bold LetterGothic BoldSlanted LetterGothicCE BoldSlanted LubalinGraph Book LubalinGraphCE Book LubalinGraph BookOblique LubalinGraphCE **BookOblique** LubalinGraph Demi LubalinGraphCE Demi LubalinGraph DemiOblique LubalinGraphCE DemiOblique Marigold Monaco MonacoCE

MonaLisa Recut NewCenturySchlbk Roman NewCenturySchlbkCE Roman NewCenturySchlbk Italic NewCenturySchlbkCE Italic NewCenturySchlbk Bold NewCenturySchlbkCE Bold NewCenturySchlbk BoldItalic NewCenturySchlbkCE BoldItalic NewYork NewYorkCE Optima OptimaCE Roman Optima Italic OptimaCE Italic Optima Bold OptimaCE Bold Optima BoldItalic OptimaCE BoldItalic Oxford Palatino Roman PalatinoCE Roman Palatino Italic PalatinoCE Italic Palatino Bold PalatinoCE Bold Palatino BoldItalic PalatinoCE BoldItalic StempelGaramond Roman StempelGaramondCE Roman

StempelGaramond Italic StempelGaramondCE Italic StempelGaramond Bold StempelGaramondCE Bold StempelGaramond BoldItalic StempelGaramondCE BoldItalic Symbol Taffy Times Roman TimesCE Roman **Times Italic** TimesCE Italic Times Bold TimesCE Bold Times BoldItalic TimesCE BoldItalic **TimesNewRomanPSMT TimesNewRomanCE** TimesNewBomanPS ItalicMT

**TimesNewBomanCF** Italic TImesNewRomanPS BoldMT TimesNewRomanCE Bold TimesNewBomanPS **BoldItalicMT TimesNewRomanCE** BoldItalic Univers UniversCE Medium Univers Oblique UniversCE Oblique Univers Bold UniversCE Bold Univers BoldOblique UniversCE **BoldOblique** Univers Light UniversCE Light Univers LightÖblique Univers CĔ LightOblique Univers Condensed UniversCE Condensed Univers CondensedOblique UniversCE CondensedOblique Univers CondensedBold UniversCE CondensedBold Univers Condensed BoldOblique UniversCE Condensed BoldOblique Univers Extended UniversCE Extended Univers ExtendedObl UniversCE ExtendedObl Univers BoldExt UniversCE BoldExt Univers BoldExtObl UniversCE BoldExtObl Wingdings Regular ZapfChancery MediumItalic ZapfChanceryCE MediumItalic ZapfDingbats

# **Checking the Font Lists for Available Fonts**

Font lists are a comprehensive listing of all fonts currently available. The listing contains both the names of resident fonts, and the names of the fonts stored on any external hard disk that may be present.

# Ø NOTE

These fonts are only available for the PCL or PS Printer.

PCL FONT LISTS

PS FONT LIS	PAGE.001	515	ONT LIS	F		
		6 Sample	5 Pitch/Point Typeface	4 okew.	(3) (	
FONT LISTS PAGE.001			scalable			arier
	PS Fonts	ABCDE	4099 scalable	0	0	0 Times
Sample 6	Font Name	ABCDE	4101 scalable	0	0	1 Times Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ	AlbertusMT	ABCDE	4101 scalable	3	0	
ABCDEFGHIIKLMNOPORSTUVWXYZ	AlbertusMT-Italic	ABCDE	4101	0	1	1
ABCDEFGHIIKLMNOPORSTUVWXYZ	AlbertusMT-Light	ABCDE	scalable 4101	3	1	Times Bold Italic
ABCDEFGHIJKLMNOPORSTUVWXYZ	AntiqueOlive-Bold	ABCDE	scalable	0	0	Omega 1
ABCDEFGHIJKLMNOPORSTUVWXYZ	AntiqueOlive-Compact	ABCDE	scalable			Omega Bold
ABCDEFGHIJKLMNOPORSTUVWXYZ	AntiqueOlive-Italic		scalable	3		Omega Italic
ABCDEFGHUKLMNOPORSTUVWXYZ	AntiqueOlive-Roman	ABCDE	4113 scalable	0	1	1 Omega Bold Italic
ABCDEFGHIJKLMNOPORSTUVWXYZ		ABCDE	4113 scalable	3	1	
	AntiqueOliveCE-Bold	ABCDI	4116	0	1	1
ABCDEFCHIJKLMNOPQRSTUVWXYZ	AntiqueOliveCE-Compact	ABCDEF	scalable 4140	3	4	arendon Condensed
ABCDEFGHIJKLMNOPQRSTUVWXYZ	AntiqueOliveCE-Italic	ABCDE	scalable		0	ivers Medium
ABCDEFGHIJKLMNOPQRSTUVWXYZ	AntiqueOliveCE-Roman		scalable			ivers Bold
ABCDEFGHIJKLMNOPQRSTUVWXYZ	Apple-Chancery	ABCDE	4148 scalable	3		1 ivers Medium Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ	Apple-ChanceryCE	ABCDE	4148 scalable	0	1	1 ivers Bold Italic
ABCDEFGHIJKLMNOPQRSTUVWXYZ	Arial-BoldItalicMT	ABCDE	4148	3		1
ABCDEFGHIJKLMNOPQRSTUVWXYZ	Arial-BoldMT	ABCDEFG	scalable 4148	0		ivers Medium Condense
ABCDEFGHIJKLMNOPQRSTUVWXYZ	Arial-ItalicMT	ABCDEFG	scalable	1		ivers Bold Condensed
ABCDEFGHIJKLMNOPQRSTUVWXYZ	ArialCE		scalable			ivers Medium Condense
ABCDEFGHIJKLMNOPQRSTUVWXYZ	ArialCE-Bold	ABCDEFG	4148 scalable	0		1 ivers Bold Condensed
ABCDEFGHLIKLMNOPORSTUVWXYZ	ArialCE-BoldItalic	ABCDEFE	4148 scalable	3	5	1 Lique Olive
ABCDEFGHIJKLMNOPQRSTUVWXYZ	ArialCE-Italic	ABCDE	4168 scalable	0	٥	
ABCDEFGHIJKLMNOPQRSTUVWXYZ	ArialMT	ABCDE	4168	3	0	1
ABCDEFGHJKLMNOPQRSTUVWXYZ	ArialMT AvantGarde-Book	ABCDE	scalable 4168	0	1	ique Olive Italic
		ABCDE	scalable	0	0	ramond Antiqua
ABCDEFGHIJKLMNOPQRSTUVWXYZ	AvantGarde-BookOblique		scalable			ramond Halbfett
ABCDEFGHIJKLMNOPQRSTUVWXYZ	AvantGarde-Demi	ABCDE	4197 scalable	3	0	amond Kursiv
ABCDEFGHIJKLMNOPQRSTUVWXYZ	AvantGarde-DemiOblique	ABCDE	4197 acalable	0		1 ramond Kursiv Halbfet
ABCDEFGHIJKLMNOPQRSTUVWXYZ	AvantGardeCE-Book	ABCDE	4197	з		
ABCDEFGHIJKLMNOPQRSTUVWXYZ	AvantGardeCE-BookOblique					
ABCDEFGHIJKLMNOPQRSTUVWXYZ	AvantGardeCE-Demi					

The Font List includes the following information:

1	Font/Symbol Set*	The typeface name and the symbol set.
2	Spacing	This indicates whether a font is a fixed-size, non-proportional font (0) or a proportional font (1).
3	Style	Upright (straight) characters or italic (slanted) characters.
(4)	Stroke Weight	The stroke weight of the characters in the font.
5	Pitch/Point Size	The pitch and point size. For a scalable font, Scale is displayed. The vertical distance in points from the top of capital letters to the tail of the letter "y."
6	Print Sample	A print sample of the font.

\* If the font supports more than one symbol set, a command parameter (indicated with xY or xM) will not be shown.

# **Typeface Samples**

### Standard Scalable Fonts (PCL)

Courier

CG Times CG Times Bold CG Times Italic CG Times Bold Italic CG Omega CG Omega Bold CG Omega Italic CG Omega Bold Italic Coronet Clarendon Condensed Univers Medium Univers Bold Univers Medium Italic Univers Bold Italic Univers Medium Condensed Univers Bold Condensed Univers Medium Condensed Italic Univers Bold Condensed Italic Antique Olive Antique Olive Bold Antique Olive Italic Garamond Antiqua Garamond Halbfett Garamond Kursiv Garamond Kursiv Halbfett

ABCDEFGHIJKLMNOPQRSTUVWXYZ ABCDEFGHIJKLMNOPQRSTUVWXYZ ABCDEFGHIJKLMNOPQRSTUVWXYZ ABCDEFGHIJKLMNOPQRSTUVWXYZ ABCDEFGHIJKLMNOPORSTUVWXYZ ABCDEFGHIJKLMNOPORSTUVWXYZ ABCDEFGHIJKLMNOPORSTUVWXYZ *ABCDEFGHIJKLMNOPQRSTUVWXYZ* ABCDEFGHIJKLMNOPQRSTUVWXYZ ABCDEHGAUJKLMNOPQRSTUVWXYZ ABCDEFGHIJKLMNOPQRSTUVWXYZ ABCDEFGHIJKLMNOPQRSTUVWXYZ ABCDEFGHIJKLMNOPQRSTUVWXYZ ABCDEFGHIJKLMNOPQRSTUVWXYZ ABCDEFGHIJKLMNOPORSTUVWXYZ ABCDEFGHIJKLMNOPORSTUVWXYZ ABCDEFGHIJKLMNOPORSTUVWXYZ ABCDEFGHIJKLMNOPORSTUVWXYZ ABCDEFGHIJKLMNOPORSTUVWXYZ ABCDEFGHIJKLMNOPQRSTUVWXYZ ABCDEFGHIJKLMNOPORSTUVWXYZ ABCDEFGHIJKLMNOPQRSTUVWXYZ ABCDEFGHIJKLMNOPQRSTUVWXYZ ABCDEFGHIJKLMNOPQRSTUVWXYZ *ABCDEFGHIJKLMNOPQRSTUVWXYZ* ABCDEFGHIJKLMNOPQRSTUVWXYZ

Marigold Albertus Medium Albertus Extra Bold Arial Arial Bold Arial Italic Arial Bold Italic Times New Times New Bold Times New Italic Times New Bold Italic Helvetica Helvetica Bold Helvetica Oblique Helvetica Bold Oblique Helvetica Narrow Helvetica Narrow Bold Helvetica Narrow Oblique Helvetica Narrow Bold Oblique Palatino Roman Palatino Bold Palatino Italic Palatino Bold Italic ITC Avant Garde Gothic Book ITC Avant Garde Gothic Demi ITC Avant Garde Gothic Book Oblique

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Checking the Font Lists for Available Fonts

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# Bar Code Scalable Fonts (PCL)

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# OCR Code Scalable Fonts (PCL)

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OCR B	abcdefghijkLMNOPQRST <b>UVWXYZ</b>

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## **Bitmapped Fonts (PCL)**

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# PS Fonts

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# **Symbol Sets**

ASCII



### DeskTop



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#### Ventura Math

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# Ventura US



# Windows 3.0 Latin 1

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### 3 of 9 Barcode



### Code 128



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### MSI / Plessey



# PostNet



# UPC / EAN barcode



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# **Configuration Page Sample**

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PCL Configuration Page

The Configuration Page includes the following information:

1	Hardware Configuration	This section displays the hardware configuration of the machine, including any options that have been installed.
2	Common Settings	This section displays the common printer settings of the machine, as determined by the Settings menu. (See "Settings Menu," on p. 3-6.)
3	Paper Feed	This section displays the paper feed settings for the printer function of the machine, as determined by the Paper Feed section of the Settings menu. (See "Paper Feed," on p. 3-7.)
4	Print Quality	This section displays the print quality settings for the printer function of the machine, as determined by the Print Quality section of the Settings menu. (See "Print Quality," on p. 3-8.)
5	Layout	This section displays the layout settings for the printer function of the machine, as determined by the Layout section of the Settings menu. (See "Layout," on p. 3-10.)
6	PCL Settings	This section displays the PCL settings for the printer function of the machine, as determined by the PCL section of the Settings menu. (See "PCL," on p. 3-29.)
7	PS Settings	This section displays the PS settings for the printer function of the machine, as determined by the PS section of the Settings menu. (See "PS," on p. 3-34.)

#### 

These samples are only available for the PCL or PS Printer.

# Specifications

Specifications are subject to change without notice for product improvement or future release.

# **Software Specifications**

Command Language	PCL5e <sup>*1</sup> , F	CL6*1, PostScript 3 emulation*2, and UFR II
Resident Fonts	PCL*1:	80 Scalable fonts, 30 Barcode fonts, 2 OCR fonts, and 10 Bitmap fonts
	PS*2:	136 Scalable fonts
	PCL5e <sup>*1</sup> , F	PCL6*1:
		Reduced to 4.23 mm (1/6 inch) from the top, bottom, left, and right edges of the paper.
	PostScript	3 emulation*2:
Printable Area		Reduced to 2.5 mm from the top, bottom, left, and right edges of the paper.
	UFR II:	
		Reduced to 5.0 mm from the top, bottom, left, and right edges of the paper.

\*1 Only available for the PCL or PS Printer.

\*2 Only available for the PS Printer.



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