

PCL Driver Packaging Tool Operating Instructions

- 1 PCL Driver Packaging Tool
- 2 Creating Installation Packages
- 3 Setting Individual Settings Files
- 4 Appendix

Introduction

This manual contains detailed instructions and notes on the operation and use of this product. For your safety and benefit, read this manual carefully before using the product. Keep this manual in a handy place for quick reference.

Preface

Thank you for using the PCL Driver Packaging Tool software product.

PCL Driver Packaging Tool is software you can use to create packages for easy installation of printer drivers, applications, etc., on multiple computers.

This guide describes the functions of PCL Driver Packaging Tool and explains how to use it.

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Preparation

About the dialog boxes

This guide uses the Windows XP dialog boxes in its instructions. If you are using another Windows operating system, dialog boxes that appear on your screen might differ from those in this guide.

About the contents of the package you created

Before attempting to use your Installation Packages, fully verify the package contents in the environments where you will actually use the Installation Package contents.

TABLE OF CONTENTS

Preparation	i
About the dialog boxes	
About the contents of the package you created	i
1. PCL Driver Packaging Tool	
Overview	1
What you can do with PCL Driver Packaging Tool	
Installation Package Creation Process	
Software Composition	
System Requirements	
Operating System HDD Space	
Languages	
Drivers	
Software	
2. Creating Installation Packages	
Configuring your Operating Environment	
Installing PCL Driver Packaging Tool	
Log-on User Accounts	
Setting Network Printers	
Confirming Storage LocationsPreparing Installation Images	
Creating Installation Packages	
Provide All of the Users with the same driver configuration file	
Optional Settings	
Detailed Settings	
Setting Driver Configuration Files	
About Folders Specified in the Driver config. file folder Edit Box	
About Installation Packages	
About Installation Package StructureIndividual Modules	
Installing Printer Drivers Using Packages	
Installations Using Install Package	24
3. Setting Individual Settings Files	
Individual Settings Files	27
To Create Individual Settings Files	
Individual Setting Item Names	
Setting Items Format Specifications of Individual Settings Files	
Examples of Individual Settings Files	
Data Solution Priority	

4. Appendix

About Log Files	33
Example of a log file	
Points to Remember	34
About Log Summary Files	35
About .rcf Files during Installations	36
Error Messages	37
PCL Driver Packaging Tool error messages	
Error Messages during Installation Package Operations	38
INDEX	39

1. PCL Driver Packaging Tool

Overview

PCL Driver Packaging Tool is software that allows you to create packages for easy installation of printer drivers, applications, etc., on multiple computers.

To install a shared printer on the network into a computer, normally, you must provide the shared printer's name, its IP address, etc, and be familiar with its driver and port settings.

With PCL Driver Packaging Tool, client users can install printer drivers and applications automatically, simply by running Installation Packages, as these contain all the necessary required settings made by administrators in advance.

By creating Installation Packages, you can use the wizard to set printer names, printer ports, printer driver values, and install applications such as SmartDeviceMonitor for Client. Values that are specific to individual computers such as user codes, can also be automatically set without action by client users by registering these values in the Individual setting files (.csv).

Also, using Default Editor, you can create a .rcf file which has modified setting values for the printer driver, and then load the file into your package. This way administrators can install the optimum settings, resulting in improved utilization of the printer's functions, such as combined and both-side printing.

Using their log files to monitor the status of client installations, administrators can give clients necessary setup guidance.

PCL Driver Packaging Tool supports administrators in their operational duties and reduces the installation technician's workload.

What you can do with PCL Driver Packaging Tool

- Select optional PCL printer drivers.
- Customize printer names.
- Set a printer port to suit your environment.
- Set the log on process for network printers.
- Customize the specific default settings of printer drivers by using Default Editor.

For details about Default Editor, see "Default Editor Operating Instructions".

 Create Installation Packages with which users can easily install environmentcustomized printer drivers.

H

Installation Package Creation Process

Create Installation Packages using the following steps:

- Start PCL Driver Packaging Tool.
- Select a printer driver.
- Set a printer.
- Set a port.
- Set the language for display during the installation, the log output folder for the installation, and the folder for the Installation Package.
- Perform detailed settings (optional).
- Perform settings in the Driver Configuration file (optional).
- PCL Driver Packaging Tool creates the Installation Package.

Software Composition

Folders	Modules	Descriptions	
root	Packaging Tool.exe	main packaging tool module	
	LANGSDEF.INI	definition file for PCL Driver Packaging	
RPDI		modules to be copied to Installation Packages	
SETUPFILES		modules to be copied to Installation Packages	
Instman		folder for modules to be copied to Installation Packages	
WORDINGS		files containing display wording (Dutch, English, French, German, Italian, and Spanish).	

Note

 $\hfill\Box$ Packaging Tool.exe does not run if it is copied to another folder without the original directory structure.

System Requirements

This section describes the product and software requirements of PCL Driver Packaging Tool.

Operating System

- Windows 95 (OSR2 or later)
- Windows 98/98SE
- Windows Me
- Windows 2000 Professional
- Windows 2000 Server
- Windows XP Professional
- Windows XP Home Edition
- Windows Server 2003
- Windows NT 4.0 Server (Service Pack 6a or later)
- Windows NT 4.0 Workstation (Service Pack 6a or later)

HDD Space

3.35 MB

Languages

You can select the display language from the following:

- Dutch
- English
- French
- German
- Italian
- Spanish

Note

☐ If the language of your operating system is other than one of the above, the language is set to English.

Drivers

PCL Printer Driver 6, 5e, or 5c must be installed on the computer.

1

Software

 $SmartDevice Monitor\ for\ Client\ must\ be\ installed\ on\ the\ computer.$

Z

2. Creating Installation Packages

Configuring your Operating Environment

Installing PCL Driver Packaging Tool

The software does not come with an installer. Copy the PCL Driver Packaging Tool folder to your computer's HDD.

Ø Note

- ☐ Default Editor is required to customize the default settings. For details about Default Editor, see "Default Editor Operating Instructions".
- ☐ Microsoft Internet Explorer version 4.0 or later must be installed on your computer.

Log-on User Accounts

To install printer drivers in Windows 2000/XP, Windows Server 2003, and Windows NT 4.0, the user must log on with administrator privileges (as a member of the administrator group).

Setting Network Printers

Prepare a printer connected to a TCP/IP network so that client PCs can communicate via TCP/IP.

Confirming Storage Locations

Decide where to store the Installation Packages. Storage location is determined by how you plan to distribute saved Installation Packages to clients. You can distribute packages using either a CD-ROM or shared folders.

When use PCL Driver Packaging Tool to create an Installation Package, necessary files are generated in the specified folder. To store the files to CD, make sure you prepare enough CDs for your needs. To store the files in a shared folder on the server, first create a shared folder and confirm each client computer has access to it.

Preparing Installation Images

Download the printer drivers and applications for installation from the Internet or the supplied CD-ROM.

Creating Installation Packages

This section step-by-step instructions for creating Installation Packages.

1 Double-click the Packaging Tool icon in the Packaging Tool folder that you copied to the computer.



PCL Driver Packaging Tool starts, and the [Select printer driver] dialog box appears.

2 Enter the path of the printer driver disk image in [Printer driver(*.inf):].

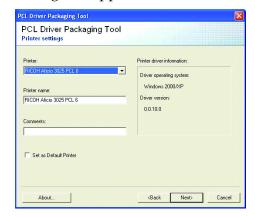


- Ø Note
- ☐ You can also specify a path by clicking [Browse...].

If you have a plan to provide the same default settings using Driver Configuration file, refer to p.14 "Provide All of the Users with the same driver configuration file".

Click [Next>].

The [Printer settings] dialog box appears.



Set the following:

- Printer Model (select from drop-down list)
- Printer name (enter directly)
- Comments (enter directly)
- Default printer (checked) or not (unchecked)

Under Printer Driver Information you can see the following:

- Driver-supported operating systems
- Driver version

4 Click [Printer] to select the printer model.

Since the model names are already set in the selected printer drivers, you cannot enter a model name.

5 Enter a printer name.

The default is the model name selected up to 31 [Printer] above. You can enter up to 31 alphanumeric characters.

You can use Individual setting item names. For details, see p.29 "Individual Setting Item Names".

6 Enter descriptions of the printer in the [Comments:].

You can enter up to 255 characters. You do not have to enter anything in Comments.

You can use Individual setting item names. For details, see p.29 "Individual Setting Item Names".

To install the package as the default printer, select the [Set as Default Printer] check box.

Note

- ☐ In multi-user environments, only the user who installed the package can set it as the default printer.
- ☐ You can set only one printer as the regular printer. Subsequently set printers replace the existing printer.

8 Click [Next>].

The [Port settings] dialog box appears.



Set the following:

- Port type (select from drop-down list)
- Port address (enter directly, TCP/IP port and TCP/IP port SmartDevice-Monitor for Client only)
- UNC (enter directly, Shared Printer port only)
- Path to SmartDeviceMonitor for Client setup.exe (enter directly or browse)

Click [Port:]. Select from the following three the port though which to connect to the printer.

- TCP/IP port (SmartDeviceMonitor for Client)
- Shared Printer port
- TCP/IP port

The default is TCP/IP port (SmartDeviceMonitor for Client). You cannot directly enter the Port type.

Note

- ☐ If your operating system is Windows 95, Windows 98, or Windows Me, you cannot select "TCP/IP Port".
- ☐ If you want to use "TCP/IP port" on Windows NT 4.0, enable the Microsoft TCP/IP Printing Service to enable LPR port.

❖ If you select TCP/IP port (Smart Device Monitor for Client) or TCP/IP port

You can specify the printer port using one of the three methods below. Choose a method, and then enter the required values.

• [IP address:]

Enter the IP address of the Network Printer divided with each three figure.

Note

☐ If you enter a space in the [IP address:] edit box, it will be assumed as "0".

• [Host name:]

Enter the host name of the Network Printer.

Note

☐ The Host name must:

- be no longer than 63 characters
- contain only ASCII characters
- not include spaces or symbols other than (-), (_), and (.)
- not be an actual host name or FDQN (including domain)

• [Individual setting:]

Enter the IP address or host name of the Network Printer using Individual setting item names.

Note

☐ You can use Individual setting item names to specify an Individual setting. If you specify the Hostname or IP Address using Individual setting item names, you can change the printers to connect for each individual user.

For details about Individual setting items, see p.29 "Individual Setting Item Names".

❖ If you select the Shared Printer port

Enter the Shared Printer address on the Windows network into the Shared Printer UNC text box using UNC (Universal Naming Convention). Enter up to 259 alphanumeric characters in the box. The default setting is blank.

𝚱 Note

☐ The UNC must:

- be in the format: "\\(host name)\(printer name)"
- not include (/), (/), (:), (,), (;), (*), (?), (<), (>), or (|) in the host name or printer name
- be no longer than 259 characters
- contain only ASCII characters
- have an actual IP address or host name as the host name

☐ The Host name must:

- not include spaces or symbols other than (-), (_), and (.)
- be an actual host name or FDQN (including domain)

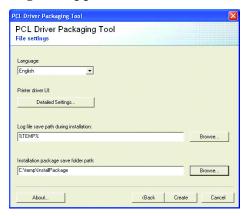
❖ When you select TCP/IP port (SmartDeviceMonitor for Client)

Enter the path for the SmartDeviceMonitor for the Client setup.exe file in [Path to "setup.exe of SmartDeviceMonitor for Client":].

Enter up to 259 alphanumeric characters. The default setting is blank. You can also specify the file's path by clicking [Browse...].

- ☐ You can not go further unless you have entered the correct path to the setup.exe of SmartDeviceMonitor for Client.
- When you complete the settings, click [Next>].

The [File settings] dialog box appears.



Set the following:

- language for display during the installation
- output folder for the log
- folder to save the Installation Package in

Click [Language], and then select the language for display from the following:

- Dutch
- English
- French
- German
- Italian
- Spanish

In [Log file save path during installation:], specify the folder where you want to save the log file.

The status of the client installation will be logged in the log file.

- Note
- ☐ Enter up to 259 alphanumeric characters.
- ☐ You can also specify a path by clicking [Browse...].
- ☐ You can also specify the folder's path using its network path, but for this you must have network.
- ☐ The default is %temp%, which shows the temporary directory of a computer. Temporary directory setting paths differ according to operating system.

For details about log files, refer to p.33 "About Log Files".

In [Installation package save folder path:], enter the path of the folder where you want to save.

Note

- ☐ Prepare a new empty folder in advance, and specify this folder as the location for saving the Installation package. Locate the folder in a shallow hierarchy such as just under the route directory of the disk drive.
- ☐ Enter up to 259 alphanumeric characters.
- ☐ You can also specify the path by clicking [Browse...].
- ☐ You can also specify the folder's path using its network path, but for this you must have network.
- To make settings using the Individual setting file, click [Detailed Settings...] and then make the required settings in the [Detailed Settings] dialog box. If you do not need to perform this step, proceed to step [].

For details about Detailed Settings, see p.15 "Optional Settings".

When you have made all the settings, Click [Create].

An Installation Package is created in the path specified in step [3].

When processing is completed and an Installation Package is created, the dialog box bellow appears.



100 Install a printer driver using the Installation Package you have created.

For details about how to install printer drivers using Installation packages, see p.23 "Installing Printer Drivers Using Packages".

Provide All of the Users with the same driver configuration file

If you plan to provide a printer driver package customized with Default Editor for all users, (the same default settings to all users) the following procedure would be useful.

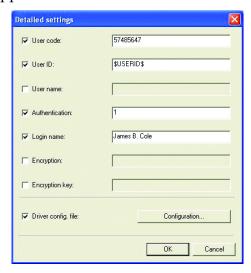
- 1 Copy the driver configuration file to the folder you prepared on p.7 "Preparing Installation Images". A file of the same name file exists in the folder where you will copy the file. Overwrite this existing file.
- In the [Select printer driver] dialog box, specify the folder to which you have copied the driver configuration file in [Printer driver(*.inf):] edit box.
- Create a new package.

Optional Settings

This section provides information about items you can set as needed.

Detailed Settings

In the [File settings] dialog box, when you click [Detailed Settings...], the [Detailed Settings] dialog box appears.



Set the following in the **[Detailed Settings]** dialog box:

- [User code:]
- [User ID:]
- [User name:]
- [Authentication:]
- [Login name:]
- [Encryption:]
- [Encryption key:]
- [Driver config. file:]

Each item has a check box and an edit box. To set an item, select its check box, and then enter the setting in its edit box.

All check boxes are unselected by default.

Some items may be unavailable for the printer driver you selected.

You can use the Individual setting item name for each item. The Individual setting item name has a function allowing you to apply the appropriate values during installation by registering the different setting values of each computer to an Individual setting CSV file.

₽ Reference

- For details about Individual setting item names, see p.29 "Individual Setting Item Names".
- For details about a driver configuration files, see p.17 "Setting Driver Configuration Files".

Perform settings in the following procedures:

To set the [User code:], [User ID:], and/or [User name:], check the check box of each, and then enter the setting values in the corresponding edit boxes.

Each item has limitations of character numbers. Please refer to the table below.

Item	Max. Numbers of Characters	
User code:	8	
User ID:	8	
User name:	16	

You can use Individual setting item names. For details, see p.29 "Individual Setting Item Names".

If the printer is configured to use authentication, select [Authentication], and then enter "1" in its edit box. If you do not want to use authentications, proceed to step [3].

Authentications are not performed if you enter "0". Only "1" and "0" are valid entries.

You can use Individual setting item names. For details, see p.29 "Individual Setting Item Names".

When you use authentication, select the [Login name:], and then enter a login name which is set at the printer.

Enter up to 128 alphanumeric characters.

You can use Individual setting item names. For details, see p.29 "Individual Setting Item Names".

If your printer is configured to use encryption, select [Encryption:], and then enter "1" in its edit box. If you do not want to use encryption, proceed to step 6.

Encryption is not performed if you enter "0". Only "1" and "0" are valid entries.

You can use Individual setting item names. For details, see p.29 "Individual Setting Item Names".

When you use encryption, select [Encryption key:], and then enter an encryption key which is set at the printer.

Enter up to 128 alphanumeric characters.

You can use Individual setting item names. For details, see p.29 "Individual Setting Item Names".

To set a driver configuration file, select [Driver config. file:], and then click [Configuration...]. If you do not want to set a driver configuration file, proceed to step 7.

For details about driver configuration files, see p.17 "Setting Driver Configuration Files".

7 When you have completed all the settings, click [OK].

The [File settings] dialog box returns.

Setting Driver Configuration Files

This section explains how to load the default settings set in rcf files into Installation Packages by specifying driver configuration files (.rcf files).

The driver configuration file determines the printer driver's default settings.

Use Default Editor to create a driver configuration file customized to suit your environment.

Ø Note

☐ Do not change the file name of Driver Configuration file. It will not work if the file name is changed.

For details about Default Editor, see "Default Editor Operating Instructions".

Loading the Driver Configuration File (.rcf) into an Installation Package

- 1 Check [Driver config. file:] check box.
- 2 Click [Configuration...] in the [Detailed Settings] dialog box.

The [PCL driver config. file] dialog box appears.



- Select [Use the same file for all computers.] or [Use separate files for each computer.]].
- **1** Make the required settings.

If you choose [Use separate files for each computer.]

- Enter the path to a driver configuration file in [Driver config. file (*.rcf):].
 - **∅** Note
 - ☐ The default setting is blank.
 - ☐ Enter up to 259 alphanumeric characters.
 - ☐ You can also specify the file's path by clicking [Browse...].
 - ☐ You can also specify the file's path using its network path, but for this you must have network.

If you choose [Use separate files for each computer.]

- Enter the path to the folder where the driver configuration file is stored in Driver config.file folder.
 - Note
 - \square The default setting is blank.
 - ☐ Enter up to 259 alphanumeric characters in the box.
 - ☐ You can also specify the file's path by clicking [Browse...].
 - ☐ You can also specify the file's path using its network path, but for this you must have network.

For details about folders that contain multiple configuration files, see p.19 "About Folders Specified in the Driver config. file folder Edit Box".

2 Enter the Individual setting item name in [Individual setting:].

The Individual setting item name has a function allowing you to apply the appropriate values during installation by registering the different setting values of each computer to an individual setting CSV file (UserTable.csv).

You can use Individual setting item names. For details, see p.29 "Individual Setting Item Names".

Click [OK].

Changes made to settings are applied, and the **[Detailed Settings]** dialog box returns.

About Folders Specified in the Driver config. file folder Edit Box

PCL Driver Packaging Tool has a function that allows you to create an Installation Package whose default settings are optimized for each user (or group) by loading the multiple printer configuration files (.rcf files). To load multiple .rcf files into the installation package as above, first prepare a specific folder hierarchy into which PCL Driver Packaging Tool can load the .rcf files. This section provides instructions for this operation.

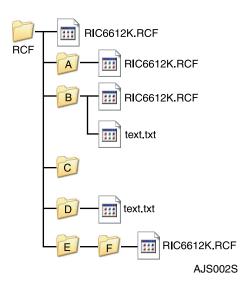
There are certain restrictions on usage and loading of multiple .rcf files.

- All .rcf file names are the same. The format is "printer name.rcf". (RIC6612K.RCF, for example)
- PCL Driver Packaging Tool does not recognize folder hierarchies deeper than second level.
- Any file except for .rcf files and subfolders are invalid (not loaded into Installation Packages)

Prepare a folder by following the procedure below so PCL Driver Packaging Tool can load .rcf files:

- Create a parent folder to specify in [Driver config. file folder:].
- Create subfolders to store each .rcf file with in the parent folder. File names should be easy to identify.

• Copy the .rcf files to each subfolder.

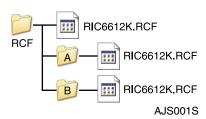


If you specify Folder RCF in **[Driver config. file folder:]**, text.txt (a text file) in Folder B, Folder C (empty) and Folder D (containing a text file only) are not copied to the Installation Package. The .rcf file in subfolder F of E is also not copied as well.

In the case of the example diagram, the following .rcf files are copied:

- RIC6612K.RCF under Folder RCF
- Folder A and RIC6612K.RCF under Folder A
- Folder B and RIC6612K.RCF under Folder B (text.txt is not copied)

The following picture shows how the folders and Driver Configuration files are copied to the installation package.



In actual installations, enter the Individual setting name in the Driver config. file folder: You can set the name in the format "(a folder name)\(a .rcf name)" in UserTable.csv , allowing you to use each user's unique .rcf files simply by changing folder names.

For details, see p.27 "Setting Individual Settings Files".

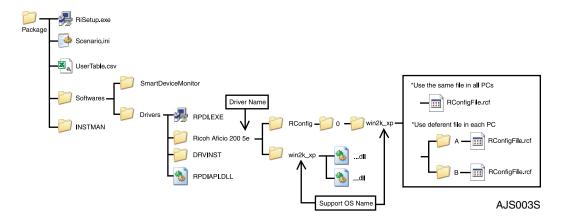
About Installation Packages

When you have made all the settings and clicked **[Create]** in the **[File settings]** dialog box, PCL Driver Packaging Tool creates an Installation Package. When all processes for creating an Installation Package are complete, the following dialog box appears:



About Installation Package Structure

The structure of Installation Packages created by PCL Driver Packaging Tool is shown below. If you do not use UserTable.csv, Smart Device Monitor for Client, Rconfig (containing all subsequent folders), those folders are not generated.



Individual Modules

Module	Functions	
RiSetup.exe	Installs printer drivers.	
Scenario.ini	States installation scenarios.	
	 Note □ Do not modify this file immediately after creating an Installation Package. 	
UserTable.csv	Makes individual settings according to user.	
	Reference For details about UserTable.csv, see p.27 "Setting Individual Settings Files"	
INSTMAN	Performs installations.	
Softwares	Stores software which will be installed.	

Installing Printer Drivers Using Packages

- Installations require administrator privileges (Windows 2000/XP, Windows Server 2003, and Windows NT 4.0).
- Confirm all other applications are closed before beginning installations.
- If you overwrite printer drivers, printer driver settings already made in the computer are not overwritten. After overwriting the printer drivers, make the printer driver settings again. Even in the case of new installations, remember that existing printer drivers are updated if a printer driver of the same series is installed. The default setting information in the Driver Configuration file is overwritten in certain cases, according to Default Editor restrictions.

For details about Default Editor and restrictions on Driver Configuration file, see "Default Editor Operating Instructions".

• If the printer name you specify already exists, you will be prompted to enter a new name or overwrite the existing file during installations.

Installations Using Install Package

You can install the printer driver created by Package Tool by using following steps.

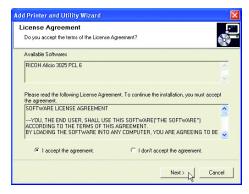
1 Locate Install Package disk or disk image.

Install Packages can be stored on CD-R, network share or local hard disk drive.

- Limitation
- ☐ Installation Package's disk image should be stored in a hierarchy close to root directory of the media.
- 2 Double-click RiSetup.exe.



Read the contents of the License Agreement. If you accept the agreement, select [laccept the agreement.], and then click [Next >].



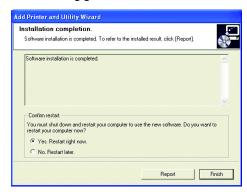
Installation starts, and the installation dialog box appears.

When the installation is completed, the [Installation completion.] dialog box appears.



☐ The [Hardware Installation] dialog box may appear in a certain case. If it does, select [Continue Anyway].

4 If options related to restart appear, select [Yes. Restart right now.].

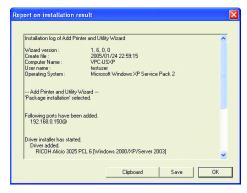


Click [Finish].

The installer closes. Windows restarts if you chose [Yes. Restart right now.].

Note

☐ If you can not select **[Finish]**, a problem may have occurred with the installation. If this happen, click **[Report]** to identify the problem and then complete the installation.



- To save the report, click [Save] and specify a location.
- To copy the report to the clipboard, click [Clipboard].

3. Setting Individual Settings Files

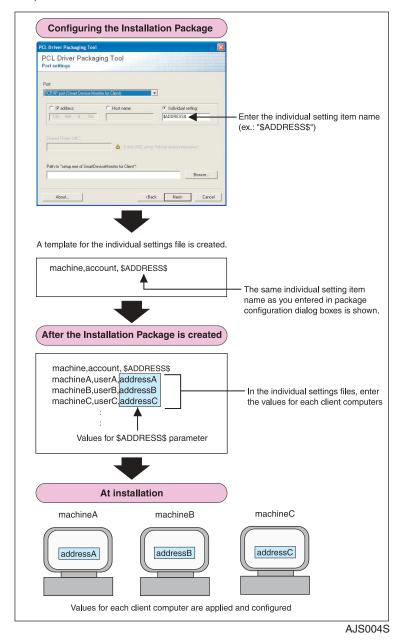
Individual Settings Files

Individual settings files are CSV files where different settings (such as user codes and IP addresses) unique to each user and computer are stored.

When you use Installation Packages, you can specify macros (character strings enclosed with "\$") for certain items. Macros are optional setting items instead of definite setting values. If Individual setting item names are used in an Installation Package, an individual setting file (UserTable.csv) is generated when the Installation Package is created. Administrators can register specific setting values of each computer to this individual setting file. This individual settings file is incorporated in the Installation Package. During installation, setting values of the computer performing the installation are automatically obtained from the individual settings file.

If the installer finds the individual setting item names during the installation, the installer first refers to the individual setting file, then verifies the name of the computer and the log-in user name , and then specifies the setting values corresponding to the individual setting item names to obtain.

To modify the settings of printer drivers to be installed for an individual user, you must make the settings in the designated form in the individual setting file (UserTable.csv).



To Create Individual Settings Files

Registration of individual settings is performed after you have created Installation Packages.

If you are using even one individual setting item name when you set the operations, the format of individual setting files (UserTable.csv) is saved in the path of the empty folder specified when you created the Installation Package. This file stores individual setting item names only in the first line. Using this format, in the second and later lines, you can register settings values that correspond to the setting item names for each computer.

#Important

☐ You cannot use optional names for individual settings files and specify another file.

Individual Setting Item Names

When you are setting Installation Package operations, you may enter optional individual settings item names in the items where you are allowed to use the Individual settings item names. The format of individual settings item names is "\$macroname\$". In "macroname" you can enter character strings that meet the following conditions:

- · contain at least one character
- do not include "\$"
- do not include spaces
- do not include double-byte characters
- do not include more than 31 single-byte characters

∰Important

☐ You cannot enter the same individual setting item name for different items.

Setting Items

Items you can set in individual settings files are shown below:

Function	Item name	Example of individual settings items	Setting location
Entering printer	Printer name	\$PRINTERNAME\$	The [Printer settings] dialog box Reference
name	Comments	\$COMMENTS\$	
			p.8 "Creating Instal- lation Packages"
Setting printer ports	IP address or Host name	\$ADDRESS\$	[Port settings] dialog box (only when using TCP/IP and "Individu- al" is selected)
			PReference p.8 "Creating Installation Packages"
Detailed setting for printers	User code	\$USERCODE\$	The [Detailed Settings] di-
	User ID	\$USERID\$	alog box p.15 "Detailed Settings"
	User name	\$USERNAME\$	p.16 Betanea settings
	Authentication	\$AUTHENTICATION\$	
	Login name	\$LOGINNAME\$	
	Encryption	\$ENCRYPTION\$	
	Encryption key	\$ENCRYPTIONKEY\$	
Default setting files	Individual default setting file	\$DEFAULTFILES\$	[PCL driver config. file] dialog box (only when "Use separate files" is selected) p.17 "Setting Driver Configuration Files"

Format Specifications of Individual Settings Files

Individual settings files must be created in the following format:

- S-JIS character set CSV files
- optional comment lines begin with "#"
- individual setting item names stated in the first line
- order of items "machine" and "account" fixed in first line
- items including a comma (,) or double quotation mark (") enclosed in double quotations

Examples of Individual Settings Files

Individual setting item names are stored in the first line of an Individual settings file. Enter computer-specific settings in the second line and after.

Be sure to enter the computer (machine) name first and the login user (account) name in the first. If setting values by computer, both the computer (machine) name and the login user (account) name must be registered.

machine,account,\$PRINTERNAME\$,\$COMMENT\$,\$ADDRESS\$,\$USERCODE\$,\$USERID\$,\$USER NAME\$,\$AUTHENTICATION\$,\$LOGIN,NAME\$,\$ENCRYPTION\$,\$ENCRYPTIONKEY\$,\$DEFAULTFILE\$ @default@,,RICOH Aficio 2235C PCL 5c,High-speed Printer,133.139.123.12,10,1,defaultuser,0,,0,\Default\RIC661CF.rcf bowmore,john,RICOH Aficio,Color Printer,133.139.123.34,20,102,john,1,john,1,Accounting,VOHN\RIC661CF.rcf macallan,david,RICOH Aficio (PCL),,133.139.123.45,30,113,david,0,0,\DAVID\RIC661CF.rcf

AJS005S

The second line of this example states that if the user "john" of the computer "bowmore" performs an installation, "20" will be set in "\$USERCODE\$", the individual setting item name in the Package.

Since UserTable.csv files are ordinary.CSV (comma separated value) files, they can be edited using spreadsheet software. The following table is an example of editing a UserTable.csv using spreadsheet software.

bowmore john RICOH Aficio Color Printer 192,168,0,20 20 102 john 1 john 1 Accounting Nightney	ult/RIC661CF.rcf
	RIC661CF.rcf
macallan david RICOH Aficio (PCL) 192.168.0,27 30 113 david 0 0 david	d\RIC661CF.rcf

AJS006S

If you save the edited table as UserTable.csv again from the spreadsheet software, you can use it in Installation Packages.

Data Solution Priority

During installations, items in which individual setting item names are entered are verified in the following order and specified as the corresponding setting values in individual settings files:

In ② and ③ below, either a login user name or computer name must be set (one must be blank).

Even though key ①, ②, and ③ do not correspond to your settings, specify the setting values with the operating system type as shown in ④, if the settings of the corresponding operating system are not shown in ④, the default values specified in ⑤ will be applied.

You can use keys (4) and (5) as computer (machine) names in individual settings files.

- ① The computer (machine) name and login user name (account) match.
- ② The computer (machine) name matches, and the login user (account) name is blank.

3 The computer (machine) name blank, and the login user (account) name matches.

machine,account,\$PRINTERNAME\$
machine1,user1, Sales Division 1Specify machine and account
machine1,, General Affairs DivisionSpecify machine only
,user1, Sales Division 2.....account

AJS006S

- If you login to machine 1 as user 1, the setting in the first line is adopted. The printer name is "Sales Division 1".
- If you login to machine 1 as user 2, the setting in the second line is adopted. The printer name is "General Affairs Division".
- If you login to machine 2 as user 1, the setting in the third line is adopted. The printer name is "Sales Division 2".
- The operating system and corresponding keys for each operating system match.

Operating Systems	Corresponding keys
Windows 95/98/Me	@Win95@
Windows 2000/XP, Windows Server 2003	@Win2k@
Windows NT 4.0	@Winnt4@

⑤ Default

Operating Systems	Corresponding keys
All operating systems	@default@

Mote

☐ "Login name" used here is for computer account, not for the printer's "login name"

4. Appendix

About Log Files

When users perform installation using an install package, log files are generated per user. The administrators can confirm the installation status of each user. There are two log file types. One contains detailed information on installation, and the other contains only the result of the installation. Those two log files are saved in the same directory.

You can specify locations to save log files if necessary during creation of Installation Packages.

p.8 "Creating Installation Packages"

Example of a log file

Installation log of Add Printer and Utility Wizard Wizard version:1, 6, 0, 0 Create file:2004/12/25 18:39:27 Computer Name:testpc User name:testuser Operating System: Microsoft Windows XP Service Pack 2 --- Add Printer and Utility Wizard ---'Package installation' selected. Following ports have been added. 192.168.0.150@ Driver installer has started. Driver added. RICOH Aficio 3025 PCL 6 [Windows 2000/XP/Server 2003] Printer added. Package Tool Testing case Installation completed successfully. To complete installation, restart system.

AJS008S

If an installation uses the same location to save log files and the same file name (the same computer), logs are added to existing log files for every operation. In this way, the log file records the previous installations.

Points to Remember

You cannot specify file names for log files. File names are in the format shown below. Log file names: ri_(name of computer).log.

The rules for specifying log files differ depending on whether the locations to save are in local folders or shared, as shown below:

Locations to save	Specify with:	How to:	Examples
Local folders (folders in operating PC)	1. Absolute paths	Specify in the form of absolute paths.	"C:\Temp\Log"
	2. Special keys	Use special keys	"%TEMP%\Log"
Shared folders in the network	3. UNC codes	Specify with UNC codes.	"\\Server\Log"
	4. Relative paths	Specify in the form of relative paths. Rela- tive paths from route folders of Installation Packages	"Log" ".\Log" "\Log"

Default environment variables (TEMP) according to operating system are as follows (assuming OS is installed in C: drive):

Windows 95/98/Me	C:\WINDOWS\TEMP
Windows 2000/XP, Windows Server 2003	C:\Documents and Settings\(user name)\Local Settings\Temp
Windows NT 4.0	C:\TEMP

To save log files in shared folders, users who perform installations must have write permission. If users do not have write permission, the files are saved in TEMP folders of Windows.

The contents of log files saved in shared folders are the same as those of log files saved by clicking **[Report]** in the **[Installation completion.]** dialog box.

About Log Summary Files

In log summary files, each installation has a line indicating only the results of installations. When clients perform installations, log summary files as well as log files are created.

You cannot specify file names of log summary files in PCL Driver Packaging Tool. The file names are as follows.

Log summary file name: ri_summ.csv

A log summary file is generated for each folder. If installations are performed by multiple computers and the same folder is specified for the installations, the results of the installations are added to one log summary file.

This allows administrators who have specified shared folders as locations in which to save log files to check the installation status of multiple computers at a glance, by checking the log summaries created in the folder.

Example log summary file

Date and time, Computer name, Login user name, Result, Log file name 2004/12/22 1:39 orange john OK C:\DOCUME~I\testuser\LOCALS~I\Temp\ri_orange.log 2004/12/25 18:39 apple david OK C:\DOCUME~I\testuser\LOCALS~I\Temp\ri_apple.log

AJS009S

In the second line in this example, you can see that on 22 December, 2004, at 1:39, the user "john" performed an installation on the computer "orange" and the result was "OK". It also states that the details of the log are logged in the log file "ri_orange.log".

4

About .rcf Files during Installations

There may be some PCL .rcf files in the folder of drivers, other than those selected in PCL Driver Packaging Tool.

This section shows which .rcf file settings are applied, when you perform installations of drivers using Installation Packages created in PCL Driver Packaging Tool.

If .rcf files are selected in PCL Driver Packaging Tool, these are given priority.

If .rcf files are not selected in PCL Driver Packaging Tool and there are .rcf files in the folder of the driver, the outcome is as follows:

- Windows 2000/XP: .rcf files are not reflected during installations.
- Windows 95/98/Me, Windows NT 4.0: .rcf file settings are applied to .rcf files in the folder of the driver during installations.
- If .rcf files are not selected in PCL Driver Packaging Tool and there are no .rcf files in the folder of the driver, none of the .rcf file settings are applied.

Error Messages

PCL Driver Packaging Tool error messages

Error Messages	Descriptions
Individual setting name already exists.	There are two or more individual settings with the same name exist.
	Reference p.29 "Individual Setting Item Names"
Contains some invalid characters.	The entered string contains invalid characters. Enter the string again using only valid characters.
Individual setting: Enter using the format \$string\$.	The entered string is not in the format of \$strings\$. Enter the string again using the correct format.
Shared Printer UNC: Entered UNC format is incorrect.	The entered string is not in the UNC format. Enter the string in the format \\hostname\\printername.
	The entered string is not in the format of hostname or IP address. Check the entered string.
Installation package save path: Folder should be empty.	Folders to load Installation Packages must be empty. Check the folder to load.
IP-address: Incorrect value.	You specified "0.0.0.0" or "255.255.255.255" as an IP address. Specify the correct values.
Macro format is incorrect.	The format of an Individual setting item name is incorrect.
	p.29 "Individual Setting Item Names"
No item has been entered.	An item, such as Name, has not been entered. Check and enter properly.
Path "setup.exe of SmartDeviceMonitor for Client": Select "setup.exe of SmartDeviceMonitor for Client" supported by this tool.	You specified a file other than the application setup.exe of SmartDeviceMonitor for Client. Select setup.exe.
Select a correct file name.	You specified an invalid file type. Check and modify the file.
Printer driver(.inf): Selected driver is not supported by this tool.	The selected driver is not supported by PCL Driver Packaging Tool. Check the driver.
Printer driver config file folder: Selected folder contains file(s) that are not supported by the driver.	The selected folder contains an invalid default setting file (.rcf file). Check the folder and the .rcf file.
Printer driver config. file: Selected rcf file is not supported by the driver.	The selected default setting file (.rcf file) is not in the correct format. Check the .rcf file.
Specified folder/file path is invalid.	You specified folders and files in a route of the drive. Specify a subfolder other than routes.

Error Messages	Descriptions
Entered strings are too long.	Too many characters have been entered. Check the number of characters.
	Preference For details of the character number restrictions of each items, refer to p.15 "Optional Settings".

Error Messages during Installation Package Operations

Error Messages	Descriptions
Specified scenario file during start is not found. (file name)	You did not create an Installation Package in PCL Driver Packaging Tool, or the Installation Package is incorrect. Create a new Installation Package.
Failed to load the file. (file name)	Loading of a required file failed. Check that the file identified in the message is present in the Installation Package. If the file is not present, create a new Installation Package.
Required key in initialization file is not found. (file name)	The scenario file (Scenario.ini) is corrupted. Create a new Installation Package.
Required sections of the initialization file could not be found. (file name)	The scenario file (Scenario.ini) is corrupted. Create a new Installation Package.
Current login user does not have administrator rights. Installation may fail. Do you want to continue?	Appears if the user specified in the scenario file (Scenario.ini) does not have administrator privileges (not a member of the administrator group), or if no user is stated in the scenario files and the login user does not have administrator privileges (not a member of the administrator group). Ask administrators whether user names, passwords, and domains stated in scenario file are correct.
System will restart. Remaining processes will continue after restart and login. In a Windows NT4.0 environment, please log in using Administrator privileges after restart is completed.	Appears if restart is required during installations. If you log in as the same user after restarting Windows, installation will continue.

INDEX

Α About Folders Specified in the Driver Individual Modules, 22 config. file folder Edit Box, 19 Individual Setting Item Names, 29 About Installation Packages, 21 Individual Settings Files, 27 About Installation Package Structure, 21 Create, 29 About Log Files, 33 Examples, 31 About Log Summary Files, 35 Format Specifications, 30 About .rcf Files during Installations, 36 Installation Images, 7 Installation Package Creation Process, 2 C Installation Packages, 7, 21 Installation Package Structure, 21 Configuring your Operating Installations Using Install Package, 24 Environment, 7 Installing PCL Driver Packaging Tool, 7 Confirming Storage Locations, 7 Installing Printer Drivers Using Packages, 23 Creating Installation Packages, 7,8 Install Package Install, 24 D Data Solution Priority, 31 Detailed Settings, 15 Languages, 4 Driver config. file folder Edit Box, 19 Loading the Driver Configuration File Driver Configuration File, 18 (.rcf) into an Installation Package, 18 Drivers, 4 log file Example, 33 Ε Log Files, 33 Log-on User Accounts, 7 Error Messages, 37 log summary file during Installation Package Operations, 38 Example, 35 PCL Driver Packaging Tool, 37 Log Summary Files, 35 Error Messages during Installation Package Operations, 38 Ν Example log summary file, 35 Example of a log file, 33 Network Printers, 7 Examples of Individual Settings Files, 31 O Operating System, 4 Format Specifications of Individual Optional Settings, 15 Settings Files, 30 Overview, 1 Н HDD Space, 4 Packages Install, 23 PCL Driver Packaging Tool, 1 Install, 7 PCL Driver Packaging Tool error messages, 37 Points to Remember, 34 Preparing Installation Images, 7

Provide All of the Users with the same

driver configuration file, 14

```
R
```

```
.rcf, 18
.rcf Files, 36
```

S

```
Setting Driver Configuration Files, 17
Setting Individual Settings Files, 27
Setting Items, 30
Setting Network Printers, 7
Settings
    Detail, 15
    Optional, 15
Software, 5
Software Composition, 3
Storage Locations, 7
System Requirements, 4
    Drivers, 4
    HDD Space, 4
    Languages, 4
    Operating System, 4
    Software, 5
```

T

To Create Individual Settings Files, 29

U

User Accounts, 7

W

What you can do with PCL Driver Packaging Tool, 1

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