

# Default Editor Operating Instructions

- 1 Default Editor
- 2 Customizing Printer Drivers
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#### 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 Default Editor software product.

Default Editor is software you can use to customize the default values in the PCL printer drivers. This guide describes the functions of Default Editor and explains how to use it.

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# About the dialog boxes

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

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# Default Editor

#### Overview

Default Editor allows you to customize default values in the PCL printer drivers. IT Managers can customize the default values in the printer drivers to suit their operating environment.

IT managers can not only customize default values, they can also restrict modification of certain driver settings to permitted users only.

When you customize the printer drivers to suit operating environment using with Default Editor, you can create packages of those customized drivers using PCL Driver Packaging Tool and distribute these packages to other users via CD-ROM or the network.

#### 

See "PCL Driver Packaging Tool Operating Instructions".

#### What you can do with Default Editor

- You can search through printer drivers installed on the computer where you are running Default Editor, and you can customize default values.
- You can prevent from modifying certain driver settings.
- You can save default values you have customized as a Driver Configuration File (.rcf).

#### **Customized Default Settings Installation Process**

- Install the printer driver into the computer whose default settings you want to customize.
- Make the default settings using Default Editor. A Driver Configuration file is then created.
- Install the new printer driver using the Driver Configuration file. A printer driver containing the default settings made using Default Editor is installed.

# File Components

Default Editor's file components:

Folder/File name	Descriptions
DefEdit.EXE	Default Editor's executable
LANGSDEF.INI	Language definition file
LANGS	Wording files for each language

## System Requirements

This section describes the product and software requirements of Default Editor.

#### **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)

#### Note

☐ Default Editor does not run under Windows 95. However, Driver Configuration files created in Windows 98/98SE and Windows Me are usable with Windows 95 drivers.

#### **HDD Space**

306 KB

#### 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**

PCL6, 5e, or 5c must be installed on the computer.

#### **Software**

PCL Driver Packaging Tool is required to create packages for distribution to users.

### 

For details about PCL Driver Packaging Tool, see "PCL Driver Packaging Tool Operating Instructions".

# 2. Customizing Printer Drivers

### **Preparation**

#### **Installing Printer Drivers**

Install the PCL printer driver on the computer whose default settings.

#### 

For details about installation procedures for printer drivers, refer to the printer's manuals.

#### Note

☐ Final Default Configuration files are not cross-compatible between Windows 95/98/Me, Windows 2000/XP and Windows NT 4.0. For example, to create a driver for Windows 98, install the printer driver (for Windows 98) whose default settings you want to customize on a computer running Windows 98, and then create a driver configuration file using Default Editor.

#### **Installing Default Editor**

Default Editor does not come with an installer. Copy the Default Editor folder to your computer's hard disk.

#### Note

- ☐ Administrator privileges are required to start Default Editor (in the case of Windows 2000/XP, and Windows NT 4.0).
- ☐ You can run only one Default Editor at a time.

# Changing the Default Settings

In the [Default Editor] folder you copied to your computer's hard disk, double click the [Default Editor] Icon.

The [Default Editor] dialog box appears.

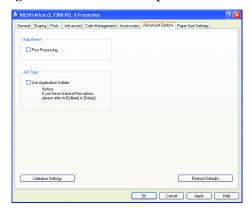


#### [Printer]

Displays names of printer drivers installed in the whose default settings you can change using Default Editor. Select the name of the printer whose driver settings you want to change.

- [Next...]
   Displays the Printer Properties dialog box of the selected printer driver.
- [Exit]
  Quits Default Editor.
- [About...]
  Displays the [About: Default Editor] dialog box.
- **2** Select the Printer, and then click [Next...].

The Properties dialog box of the selected printer driver appears.



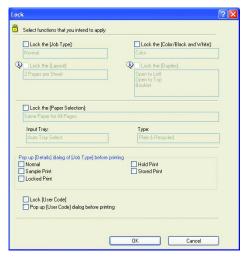
#### Note

- ☐ The default values in Default Editor are reflected from the printer driver selected in [Printer] which is already installed in the computer.
- ☐ There are differences in the setting dialog boxes of each driver you are customizing. For details, refer to the printer driver's online help you want to customize.
- □ Parameters on Windows-standard printer function tabs can be modified also but those modifications can not be reflected to Driver Configuration file. If the one of the standard function tabs appear, switch to the PCL printer driver-specific tab ([General], [Sharing], [Port], [Advanced], [Color Management], [Security]. Tabs configuration may differ between OSs), and make the default settings there.

#### 

For details about PCL printer driver-specific functions, see printer driver's online help.

□ A [Limitation Settings] button is added to the [Advanced Options] tab in the Printer Properties dialog box by Default Editor. When you click the [Limitation Settings], the [Lock] dialog box appears. In the [Lock] dialog box, you can lock individual settings to prevent users modifying default settings. If you lock the default settings in Limitation Settings, the corresponding items settings of the drivers installed in the computer are also locked. To unlock those items, first restart Default Editor after completing the default settings file, and then unlock them.



#### 

For details about the locking function, refer to p.11 "About Locking Function".

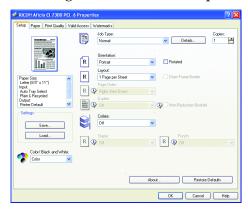
Switch to PCL printer driver tabs, and make the default settings to suit your environment.

#### 

For details about functions and settings of printer drivers, see the printer driver's online help.

4 When you are finished making settings, click [OK].

The Printer Properties dialog box of the selected printer driver appears.



#### Note

- ☐ The following items can be edited and saved as local printer settings, but can not be reflected to the Driver Configuration file.
  - [Watermarks] tab
  - [Driver Encryption Key] dialog box in the [Advanced Options] tab
  - [Authentication] dialog box in the [Valid Access] tab
  - [Custom Paper Size] dialog box
  - [Advanced] tab on the Printer Properties dialog box
- ☐ In the **[Watermarks]** tab, only following settings will be reflected as exceptions.
  - [Transparent Text] check box
  - [On First Page Only] check box
  - [As Outline Only] check box
- ☐ The following settings regarding the authentication options will be reflected as exceptions.
  - [User Authentication] check box in the [Advanced Options] tab
  - [With Encryption] check box in the [Advanced Options] tab
- ☐ When you set the default settings [Use Application Collate], it may be over-ridden by the recommended settings of the Hard Disk attachment.

#### 

Printer Properties dialog boxes differ by driver. For details, refer to the help section in the manuals of the printer drivers you want to customize.

Make the default settings in the same way as settings in the Printer Properties dialog box.

#### **₽** Reference

For details about the functions and settings of printer drivers, refer to the printer driver's online help.

#### **𝚱** Note

- ☐ A bitmap icon and "Paper Format Graphic" (the upper-left large bitmap in a dialog box) may not be changed when you select an item from the pull-down menu in a Printer Properties dialog box.
- 6 When you are finished making settings, click [OK].

A confirmation dialog box asking you whether or not to save the Driver Configuration file appears.



To save the Driver Configuration file, click [Save...]. The [Browse for Folder] dialog box appears.



- [Confirm...]
  Brings back the Printer Properties dialog box. Click [OK] to apply changes made to the default settings.
- [Cancel]
  Cancel all changes made to default settings and return to the beginning.
- **8** Select a folder in which to save the Driver Configuration file.

## 9 Click [OK].

The setting file is stored in the selected folder.



☐ The file name of the Driver Configuration file you created is "(the printer name).rcf". You cannot change the file name.

Changing of default settings is now complete. Reinstall the printer driver to apply the default settings you created.

## **About Locking Function**

You can lock various default settings to avoid unexpected user operations in a network environment by using this Locking Function.

The following features of PCL printer drivers can be locked through this locking function.

- [Job Type:]
- [Color/ Black and White:]
- [Duplex:]
- [Layout:]
- [Paper Selection:]
- [Input Tray:]
- [Type:]

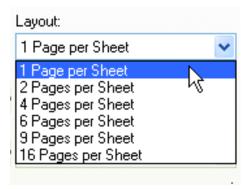
#### How to lock the features

To lock one or more features, please follow the methods below (In this example sequence, the **[Layout:]** switch will be locked to **[2 Pages per Sheet]**).

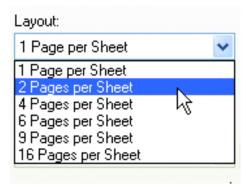
#### Limitation

- ☐ Do not click a bitmap icon to change the setting when you set the item to be locked using a lock function. You may not be able to change the setting. Select an item from the pull-down menu and change the setting.
- 1 In Default Editor, locate the parameter you want to lock in Printing Preference dialog box or Printer Property dialog box.

In this case, **[Layout:]** in **[Setup]** tab of Printing Preference dialog box will be operated as a sample.



2 Change the current setting to [2 Pages per Sheet] as parameter for locking.

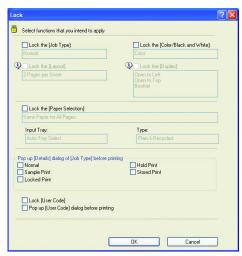


- **3** Complete other default settings.
- When you finish with the Printer Property dialog box in Default Editor, a dialog box which asks you whether save the default settings to Driver Configuration file or not. Click [Confirm...] in this sequence.



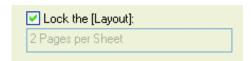
Printing Preference dialog box will be displayed again for confirmation.

**5** Select [Advanced Options] tab and then click [Limitation Settings].



[Lock] dialog box appears.

Confirm the parameter you have set is displayed correctly, and select the radio box above the edit box to lock the item.



- If you want to control Popup Function, check the check boxes in [Popup [Details] dialog of [Job Type] before printing] area.

For details about Popup Function, refer to p.14 "Popup Functions".

- When you have finished, click [OK] of the [Lock] dialog box.
- Click [OK] in Printer Properties dialog box and save the Driver Configuration file in the appropriate folder. For details on creating Driver Configuration files, refer to p.6 "Changing the Default Settings".
  - Note
  - ☐ The state of locked items may be changed by selecting higher priority items.

For details about confirmation of Locking Function, refer to p.17 "Installing the printer driver using new install disk image".

#### **Lock Exceptions**

There are some priorities between items for locking, to avoid inconsistency of printer behavior.

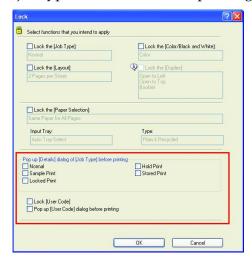
For example, [Type:], which shows paper types, has higher priority than [Duplex:], which shows duplex printing settings, since the duplex unit can be worked with only certain types of papers. So when you lock [Duplex:] to [Open to Left] and then limit the [Type:] to some paper that the duplex unit is not supporting (e.g. [Transparency]), the lock for [Duplex:] will be cancelled (it is simply disabled).

Then if you set the **[Type:]** limitation to some paper that the duplex unit supports (e.g. **[Plain]**) again, the lock for **[Duplex:]** will be enabled and set to the last state.

These kind of policies often apply with hardware accessories, like the trays, duplex unit, and hard disk unit. Attaching/detaching those hardware accessories sometimes causes inconsistency with the lock settings (i.e., lock to [Duplex:] to [Open to Left] can not be valid if duplex unit is detached), and may cause trouble to the end users. To avoid this situation, the policy for priorities will work and disable inconsistent lock settings.

#### **Popup Functions**

This is the feature to control various confirmation dialog box pop ups when users start printing. If you check some features and locked it, the dialog boxes will not pop up on selected job types when users start printing.



Here is the list for lockable items.

- Normal
- Sample Print
- Locked Print
- Document Server
- Paused Print
- Stored Print
- Stored Print (Shared)

#### Note

☐ Job type items displayed in [Pop up [Details] dialog of [Job Type] before printing] may differ by the printer driver installed in the computer.

#### 

For details on each printing job types, see print driver's online help.

#### **User Code controls**

When you check [Lock [User Code]] check box, the [User Code] edit box of [Valid Access] in Printer Properties dialog box will be locked, and users become unable to change the User Code. When you check the [Pop up [Details] dialog of [Job Type] before printing] check box, a dialog box which asks users to enter his/her User Code will be displayed every time a user starts printing.

#### **∅** Note

☐ If you set authentication options like Login name, etc., in the [Authentication] dialog box in the [Advanced Options] tab after installation of the PCL printer driver, the pop up function asking for the User Code will be disabled as an exception though you have set it in the [Lock] dialog box.

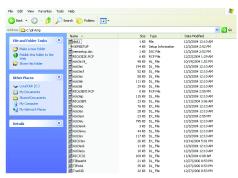
### **Driver Installation and Confirmation**

You can confirm the Driver Configuration file's settings by creating a new install disk image with customized Driver Configuration file, then installing it into a computer. Following is the procedure for creating a new install disk image.

#### Note

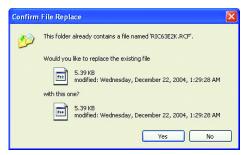
- ☐ If you perform the confirmation on the computer where you created the Driver Configuration file using Default Editor, delete the PCL printer driver that was installed to create the file from your operating system.
- 1 Copy the installation disk to the printer driver you used to create the Driver Configuration file.

The following instructions assume you are copying the disk to C:\drvtmp, for example.



2 Copy the Driver Configuration file you created in p.6 "Changing the Default Settings" to C:\drvtmp.

A confirmation dialog box asking you whether or not to replace the earlier file appears.



## Click [Yes].

The Driver Configuration file you created replaces the existing Driver Configuration file.

# Installing the printer driver using new install disk image

You can confirm the default settings you made in Default Editor by installing the printer driver from the new install disk image you have created in procedure above. Please use the "AddPrinterWizard" to install the new printer driver for this testing purpose. The procedure will be as follows;

- 1 Start "AddPrinterWizard".
- 2 Follow the instruction of the Wizard. You need to specify "Have Disk" option and enter the path to the new printer driver disk image (in this sample case, C:\drvtmp).
- **3** Complete installation of printer driver.
- After installation, please check the Printing Preference and Printer Properties dialog box to determine whether your settings are correctly reflected or not.

#### Note

☐ The details on installation process of printer driver would differ between OSs you are running. Please consult your OS manuals for details about installing printer driver.

#### **Confirming Locked Features**

If you set locks to some of the features using Locking Function described in p.11 "About Locking Function", the locked item will be displayed as follows (in case of [2 Pages per Sheet] only limitation).



Please confirm the limitations to the features are correctly working.

A balloon icon will be displayed near the locked item. By clicking this icon, an information dialog box which shows the locking information will be displayed. Here are some notes on installing a customized Default Configuration file with PCL printer drivers.

- Supported installations are provided by the "AddPrinterWizard", the installers created by "PCL Driver Packaging Tool", and Point & Print (see restrictions below).
- For Point & Print, you cannot make client-side settings for individual printer icons if you created two printer icons that have different default settings on the server side and then performed Point & Print for the two icons on the client side (Windows NT 4.0, Windows 9x).
  - Under Windows NT 4.0, settings data in Restore Default of the first printer icon in the client are changed to the same as those of the second printer icon.
  - Under Windows 9x, the initial UI and settings data in Restore Default of the first printer icon in the client are changed to the same as those of the second printer icon.
- The following installation methods are not supported for installation of Default Configuration file;
  - Remote Install, NDPS, Command line-based installation using Rundll.exe, "Add Printer Wizard" invoked from [New Driver] on the [Advanced] tab in the Printer Properties dialog box, and the [Replace] button on the [Drivers] tab in the [Print Server Properties] dialog box, etc.

# 3. Appendix

# Restrictions on Setting Driver Configuration files

- You can set the different default settings for each printer icon in Windows 9x, Windows 2000 and Windows NT 4.0. However, the following restrictions apply:
  - Under Windows NT 4.0, if you create two printer icons that have different default settings for each, the Restore Default settings or the first printer icon change to the same settings in the second one.
  - Under Windows NT4.0 or 2000, if you create a printer icon that has its default settings changed and then create another printer icon using unchanged default settings, the second printer icon overwrites the settings of the first one.
- In Windows NT 4.0, after installation of the PCL Printer driver, the creation date of the Driver Configuration file installed first will affect further installations of PCL Driver (e.g. re-install and/or 2<sup>nd</sup> or further Printer Icon creation).
- If the creation date of the originally installed Driver Configuration file is newer than the one you want to install, the default settings value will reflect the value of the originally installed Driver Configuration file. This limitation applies if you remove the PCL printer driver, then re-install with a different but older Driver Configuration file.
- To avoid this, you can do following things;
  - Change the creation dates of Driver Configuration file (e.g. re-create in Default Editor).
  - Consider the creation dates of Driver Configuration files you want to install, and install the older one first.
- Even though the printer drivers support multiple operating systems, Driver Configuration files are not cross-compatible between operating systems. Driver Configuration files must be created individually under the operating system you are using.
- In drivers which support multiple models, default setting files are not cross-compatible between models.
- Under Windows NT 4.0, Windows 2000, and Windows XP, if you first installed a printer driver as Printer 1 and then reinstalled the same printer driver as Printer 2, the settings of Printer 2 change to the same as those of Printer 1.
- In Metaframe environment, DeviceOptionUtility and Default Editor cannot coexist. If you specify accessories using Default Editor and then perform Autocreate using DeviceOptionUtility, Autocreate does not reflect the accessories.

- The default values in Default Editor are reflected from the printer driver selected in [Printer] drop down box which is already installed in the computer. After editing and saving Driver Configuration file in Default Editor, the default values will be changed as well as Driver Configuration file.
- You can not install an incorrect Driver Configuration file, like corrupted ones or dummy text files. Those files are ignored at installation time.
- On Windows 2000/XP and Windows NT 4.0, you can confirm whether the PCL printer driver's default setting is configured or not by displaying the **[About]** dialog box of the PCL printer driver (Please click **[About...]** button on **[Setup]** tab in Printer Properties dialog box.
- When you installed a customized Driver Configuration file in Windows 95, 98, and Me, restoring the default value by clicking the [Restore Defaults] button on [Custom Paper Size] dialog box or [Advanced] dialog box on the [Print Quality] tab does not restore the customized default values. Instead, the factory default values will be restored to those two dialog boxes.
- In some applications, an error may occur when you cancel print using a printer driver, during printing, in which [Pop up [Details] dialog of [Job Type] before printing] of a Lock function was set.

# **Error Messages**

Default Editor displays the following error messages:

Error Message	Descriptions
An instance of Default Editor is already running.	Default Editor is already running.
Configuration has been cancelled.	User has cancelled the changes made in Default Editor.
Default Editor system error occurred.	An error occurred in the outer module that Default Editor is using.
Error occurred. Potential cause: Printer icon name may have been changed at the Default Editor.	The printer icon name may have been changed in Default Editor.
Error occurred. Potential cause: Printer Property may already be opened.	The Printer Properties page may already be opened. Close the Printer Properties page to perform the operation.
Problem occurred with selected driver.	The selected printer driver may have a problem with its registry.

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