Introduction 1

Printing 2

Troubleshooting 3

Appendix 4

ENG

Software Guide
FAXPHONE L120

Things You Can Do

- Fax

- Copy

- Print

Please read this guide before operating this equipment. After you finish reading this guide, store it in a safe place for future reference.
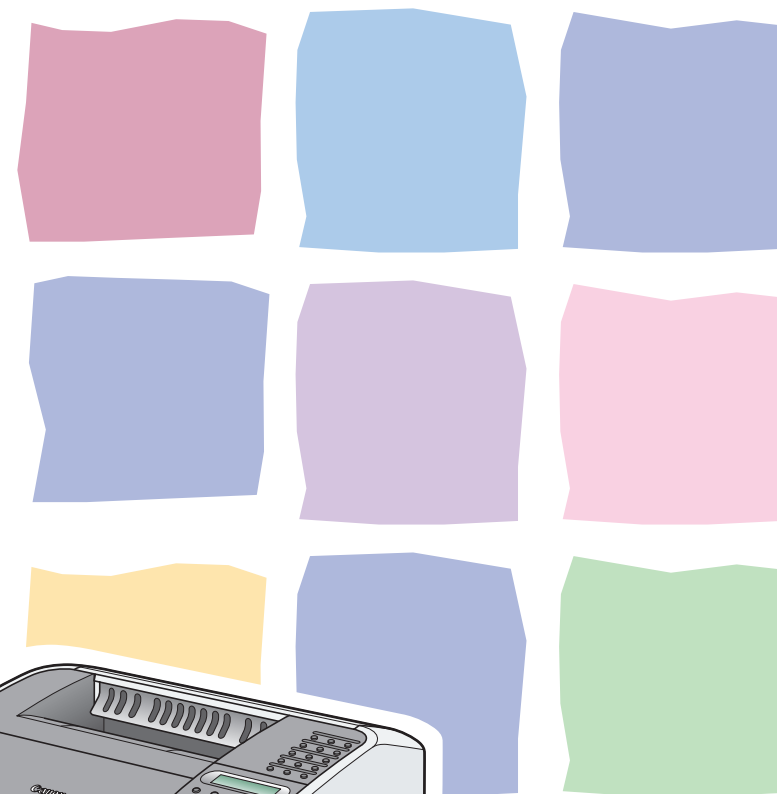
How to Use This Guide

Manuals for the Machine

- Machine Set-Up
- Software Installation

Starter Guide

- Basic Features
- Machine Settings
- Specifications

Basic Guide

- Advanced Fax Features
- Status Monitor
- Reports and Lists

Advanced Guide `[CD-ROM]`

- Driver Set-Up
- Printing

Software Guide
(This Document) `[CD-ROM]`

`[CD-ROM]` **Indicates the manual is supplied in PDF format in the accompanying CD-ROM.**

- To view the manuals in PDF format, Adobe Reader/Acrobat Reader/Acrobat is required. If Adobe Reader/ Acrobat Reader/Acrobat is not installed on your system, please download it from the Adobe Systems Incorporated website (http://www.adobe.com).
- Considerable effort has been made to make sure that the manuals for the machine are free of inaccuracies and omissions. However, as we are constantly improving our products if you need an exact specification, please contact Canon.
- The machine illustration on the cover may differ slightly from your machine.

Legal Notices

Trademarks

Canon and FAXPHONE are registered trademarks, and UHQ is a trademark of Canon Inc.

Microsoft and Windows are registered trademarks of Microsoft Corporation.

All other product and brand names are registered trademarks, trademarks or service marks of their respective owners.

Copyright

Copyright © 2005 by Canon Inc. All rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual, or otherwise, without the prior written permission of Canon, Inc.

Disclaimer

The information in this document is subject to change without notice.

CANON INC. MAKES NO WARRANTY OF ANY KIND WITH REGARD TO THIS MATERIAL, EITHER EXPRESS OR IMPLIED, EXCEPT AS PROVIDED HEREIN, INCLUDING WITHOUT LIMITATION, THEREOF, WARRANTIES AS TO MARKETABILITY, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OF USE OR AGAINST INFRINGEMENT OF ANY PATENT. CANON INC. SHALL NOT BE LIABLE FOR ANY DIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY NATURE, OR LOSSES OR EXPENSES RESULTING FROM THE USE OF THIS MATERIAL.

Introduction 1

Printing 2

Troubleshooting 3

Appendix 4

Table of Contents

Table of Contents

Index

Introduction
1

Printing
2

Troubleshooting
3

Appendix
4

Table of Contents

Index

Introduction
1

Printing
2

Troubleshooting
3

Appendix
4

Table of Contents

Index

How to Use This Guide

■ **Using the Top Page**

Returns to the last page opened.

Displays the previous or next page.

Returns to the top page.

Back   Previous   Next   TOP

Introduction 1

Printing 2

Troubleshooting 3

Appendix 4

Canon

ENG

Software Guide
FAXPHONE L120

Things You Can Do
- Fax
- Copy
- Print

Table of Contents

Index

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

How to Use This Guide

Displays the "How to Use This Guide" page.

Quick links to the list of things you can do, topics for each chapter, table of contents, and the index.

Introduction 1
Printing 2
Troubleshooting 3
Appendix 4

■ **Using the Chapter Topic List**
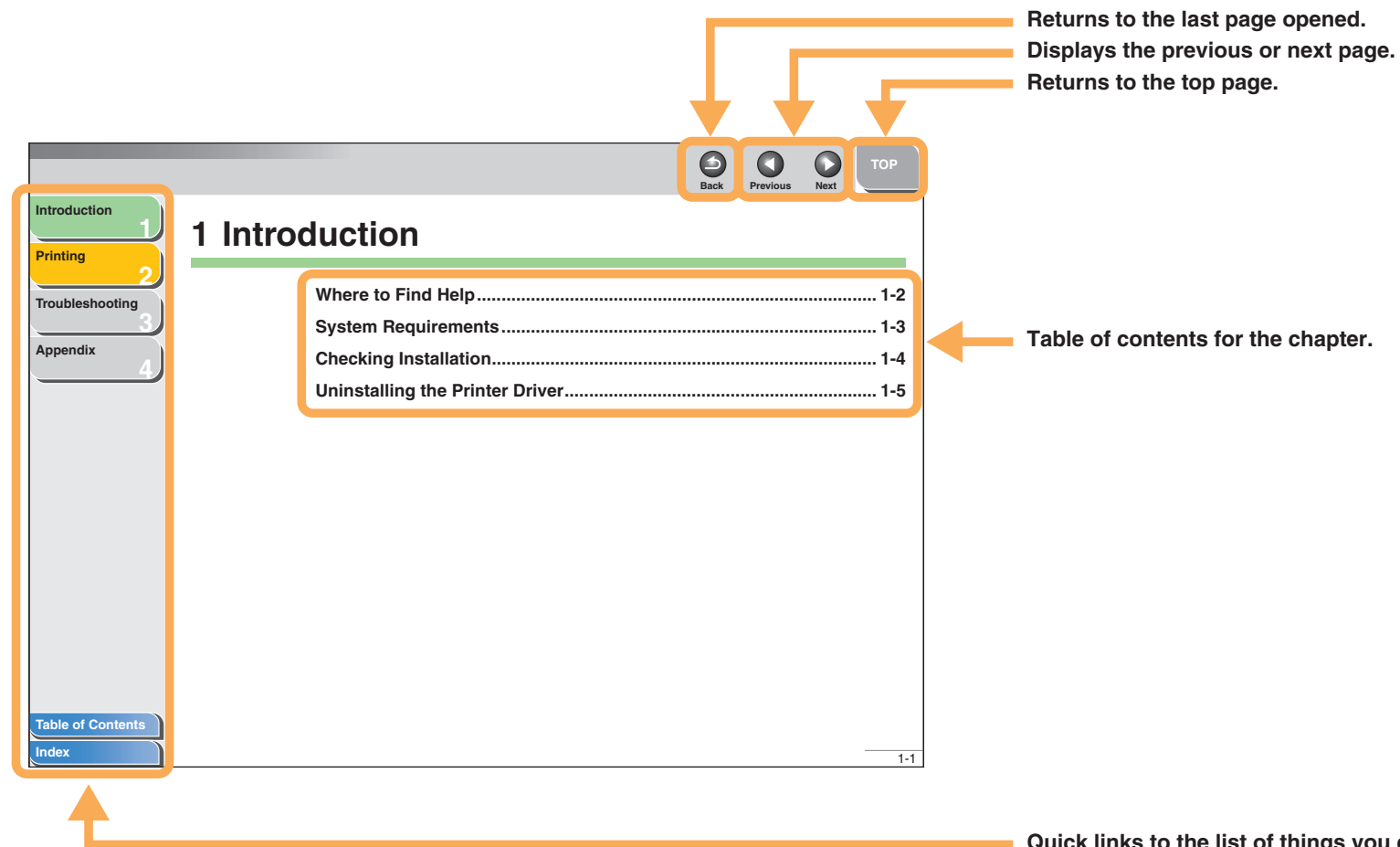
Returns to the last page opened.
Displays the previous or next page.
Returns to the top page.

Back Previous Next TOP

Introduction 1
Printing 2
Troubleshooting 3
Appendix 4

1 Introduction

Where to Find Help 1-2
System Requirements 1-3
Checking Installation 1-4
Uninstalling the Printer Driver 1-5

Table of contents for the chapter.

Table of Contents
Index

1-1

Quick links to the list of things you can do, topics for each chapter, table of contents, and the index.

Table of Contents

Index

The following symbols are used throughout the manuals for the machine and indicate the warnings, cautions and notes you should keep in mind when using the machine.

⚠ **WARNING**

Indicates a warning that may lead to death or serious injury if not observed.

⚠ **CAUTION**

Explains how to avoid actions that could injure you or damage your machine.

✎ **NOTE**

Explains operating restrictions and how to avoid minor difficulties.

In addition, this guide uses a distinctive notation to identify buttons and information in the LCD:

– Menu items you select and the buttons you press on the screen appear in square brackets: [Preferences].

Introduction
1

Printing
2

Troubleshooting
3

Appendix
4

1 Introduction

Table of Contents

Index

Where to Find Help

When you encounter a problem during installation of the driver software or while operating your machine, consult the following:

In This Manual

See Chapter 3, "Troubleshooting."

In the Basic Guide

See Chapter 3, "Troubleshooting."

README. TXT File

The hints, limitations, and restrictions you need to be aware of when installing and using the drivers are included in the README.TXT file provided with the drivers.

Online Help

You can locate additional help in the Online Help file provided with the driver software. In the [Properties] dialog box, you can click [Help] to display information about every feature and option in the drivers.

Context Sensitive Help

This Help displays the explanation of each item in the current dialog box. Use one of the following procedures to activate a context sensitive help.

– Click [?] (Help) in the title bar of the dialog box → click the desired item.

– Right-click the desired item → select [What's this?].

– Select the desired item → press [F1].

■ Canon Support Center

If the above Help does not provide the information you need, please contact the Canon Support Center at 1-800-828-4040 between the hours of 8:00 A.M. to 8:00 P.M. EST Monday through Friday and 10:00 A.M. to 8:00 P.M. on Saturday.

■ Self Help

For 24 hour interactive troubleshooting, e-mail technical support, the latest driver downloads and answers to frequently asked questions please visit the Canon Support site at www.canontechsupport.com.

System Requirements

Microsoft Windows 98/98SE
CPU: Intel 80486DX/66 MHz or faster
Memory: 24 MB or more
Available Hard Disk Space: 355 MB or more

Microsoft Windows Me
CPU: Intel Pentium/150 MHz or faster
Memory: 32 MB or more
Available Hard Disk Space: 295 MB or more

Microsoft Windows 2000 Professional
CPU: Intel Pentium/133 MHz or faster
Memory: 64 MB or more
Available Hard Disk Space: 655 MB or more

Microsoft Windows XP (32-bit version)
CPU: Intel Pentium/Celeron series 300 MHz or faster
Memory: 128 MB or more
Available Hard Disk Space: 1.5 GB or more

Checking Installation

Check if the driver is installed successfully and the machine is selected as the default printer.

📝 **NOTE**

If your machine is selected in the printer box when you open the [Print] dialog box in an application, which means your machine is set as the default printer.

1. Open the [Printers and Faxes] (Windows 98/ Me/2000: [Printers]) folder.

Click [start] on the Windows task bar → select [Printers and Faxes] (Windows 98/Me/2000: [Start] → [Settings] → [Printers]). Make sure the driver icon is displayed.

2. Select the default printer.

Click the corresponding printer driver icon.
From the [File] menu, click [Set as Default Printer] (Windows 98/ Me: [Set as Default]).
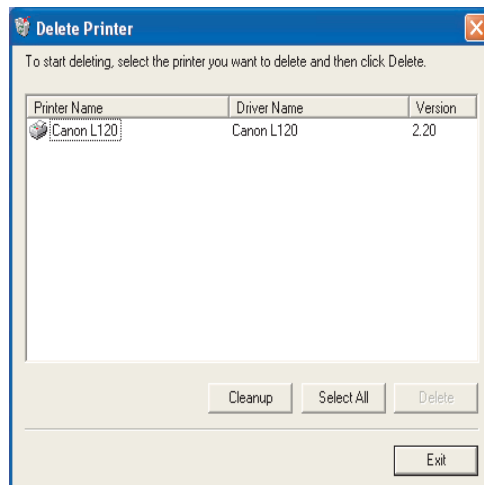
Uninstalling the Printer Driver

Before you remove the driver, make sure the following:

● **You have the installation software available for installation.**

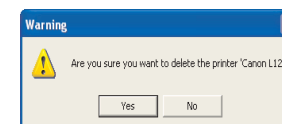● **No application is running on your computer.**

✎ **NOTE**

To uninstall the software in Windows 2000/XP, you must be the user with administrative privileges.

1. **Click [start] on the Windows task bar → [(All) Programs] → [Canon Printer Uninstaller] → [CARPS Printer Driver Uninstaller Ver.2.0].**

2. **Select the corresponding printer → click [Delete].**

3. **Click [Yes].**

Uninstallation proceeds automatically and next dialog box appears.

1-5

4. **Click [Exit].**

Delete Printer

To start deleting, select the printer you want to delete and then click Delete.

Printer Name	Driver Name	Version

Cleanup   Select All   Delete

Exit
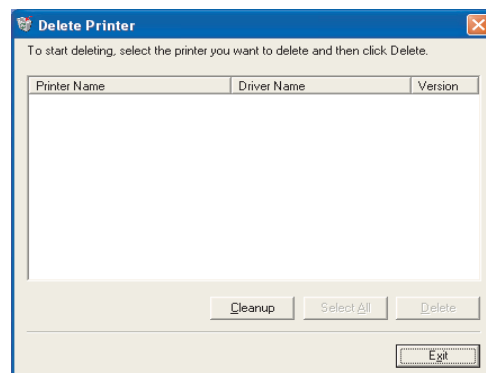
📝 **NOTE**

A message recommending you to restart your computer may appear under some operating systems. In this case, continue after restarting your computer.

Introduction 1

Printing 2

Troubleshooting 3

Appendix 4

2 Printing

Table of Contents

Index

Printing a Document

1. **Open the document in an application.**

2. **Select the command to print.**

In most cases, click [Print] from the [File] menu.
The [Print] dialog box appears.

3. **From the [Select Printer] list box or the [Name] pull-down list in the [Print] dialog box, select the printer to be used.**

4. **Click [Preferences] or [Properties].**

NOTE

Depending on the application you are using, select the printer to be used in the [General] tab sheet in the [Print] dialog box, then specify the print settings in the corresponding tab sheet. (Only for Windows 2000.)

5. **Specify the required settings → click [OK].**

NOTE

For details, see "Changing Print Settings," on p. 2-3.

6. **Click [Print] or [OK].**

Printing starts.

NOTE

To cancel printing, click [Cancel].

■ **Canceling Printing**

1. **Open the [Printers and Faxes] (Windows 98/Me/2000: [Printers]) folder.**

Click [start] on the Windows task bar → select [Printers and Faxes] (Windows 98/Me/2000: [Start] → [Settings] → [Printers]).

2. **Double-click the corresponding printer driver icon.**

3. **Right click the print job → click [Cancel] → [Yes].**

NOTE

For Windows 98/2000, the job will be canceled when you click [Cancel].

Changing Print Settings

To view or change the print settings, access the properties or printing preferences dialog box of the printer driver. You can access the properties dialog box either from the application's [Print] dialog box or the [Printers and Faxes] (Windows 98/Me/2000: [Printers]) folder, and the printing preferences dialog box from the [Printers and Faxes] (Windows 2000: [Printers]) folder.
To access the dialog box, follow this procedure.

NOTE

– The properties dialog box enables you to set up the printer configuration and configure the print settings for all Windows applications. The printing preferences dialog box enables you to specify the default settings for the printing options available when you print with the machine. (Only for Windows 2000/XP.)
– The number of tabs displayed in the properties dialog box will vary, depending on the type of operating system you are using and the method you use to access the dialog box.
– The method you use to access the dialog boxes determines how long the printing options remain in effect:
If you access the dialog box from an application's [Print] dialog box, your selected printing options apply only to the current print job. They will not be stored when you close the application.
If you access the dialog box from the [Printers and Faxes] (Windows 98/Me/2000: [Printers]) folder, selected printing options apply to all Windows applications and remain in effect until you change those settings.

■ From a Windows Application

Opening the Printing Preferences or Properties Dialog Box

1. Select the command to print.

In most cases, click [Print] from the [File] menu.
The [Print] dialog box appears.

2. From the [Select Printer] list box or the [Name] pull-down list in the [Print] dialog box, select the printer to be used.

3. Click [Preferences] or [Properties].

The [Printing Preferences] or [Canon L120 Properties] dialog box appears.

NOTE

Depending on the application you are using, select the printer to be used in the [General] tab sheet in the [Print] dialog box, then specify the print settings in the corresponding tab sheet. (Only for Windows 2000.)

■ **From the [Printers and Faxes] (Windows 98/Me/2000: [Printers]) Folder**

Opening the Properties Dialog Box

1. **Open the [Printers and Faxes] (Windows 98/Me/2000: [Printers]) folder.**

Click [start] on the Windows task bar → select [Printers and Faxes] (Windows 98/Me/2000: [Start] → [Settings] → [Printers]).

2. **Click the corresponding printer driver icon.**

3. **From the [File] menu, click [Properties].**

You can also open the properties dialog box by right-clicking the corresponding printer driver icon and selecting [Properties] from the pop-up menu.
The [Canon L120 Properties] dialog box appears.

Opening the Printing Preferences Dialog Box (Windows 2000/XP)

1. **Open the [Printers and Faxes] (Windows 2000: [Printers]) folder.**

Click [start] on the Windows task bar → select [Printers and Faxes] (Windows 2000: [Start] → [Settings] → [Printers]).

2. **Click the corresponding printer driver icon.**

3. **From the [File] menu, click [Printing Preferences].**

You can also open the printing preferences dialog box by right-clicking the corresponding printer driver icon and selecting [Printing Preferences] from the pop-up menu.
The [Canon L120 Printing Preferences] dialog box appears.

Windows 98/Me Properties

📝 **NOTE**

– The screens shown below are displayed when you open [Canon L120 Properties] from the [Printers] folder.
– The number of tabs displayed in the properties dialog box depends on how you have your system set up.

General Tab

Lets you print a test page or define separator pages. Refer to your Windows operating system documentation for more information.
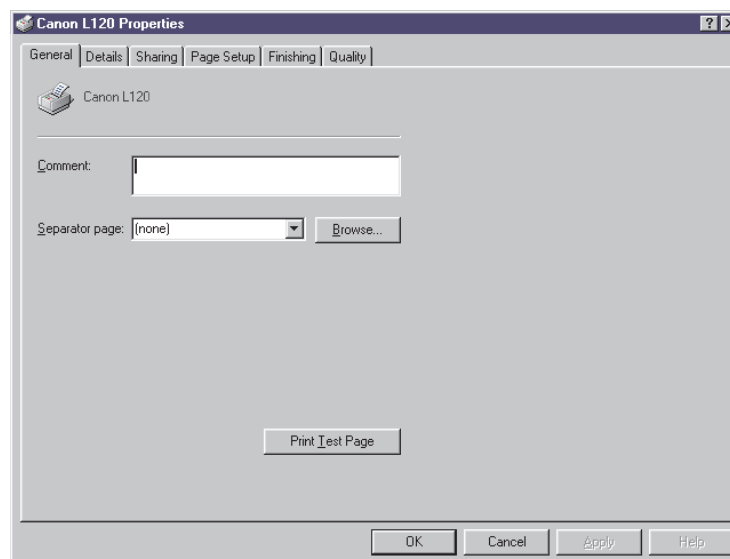
Details Tab

Specifies the printer port and time-out settings. Refer to your Windows operating system documentation for more information.
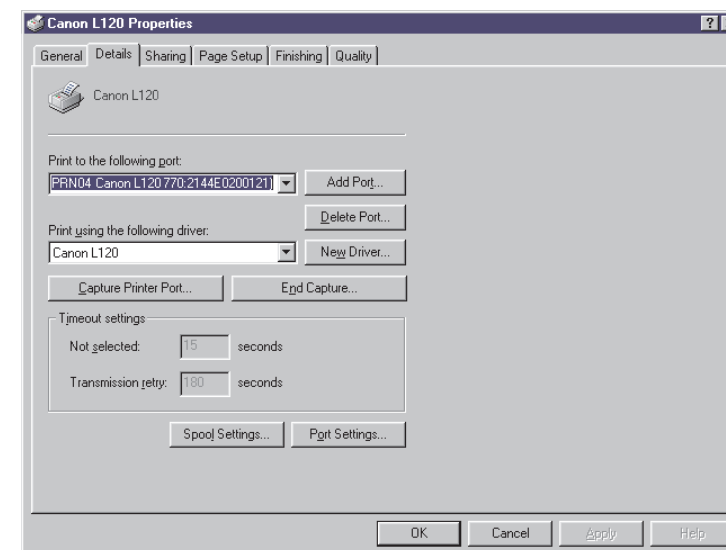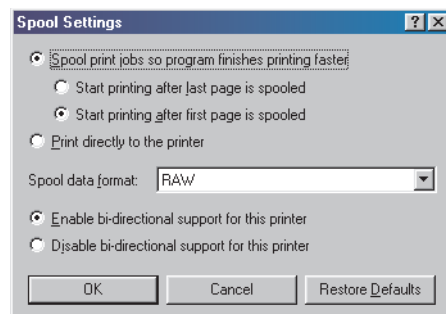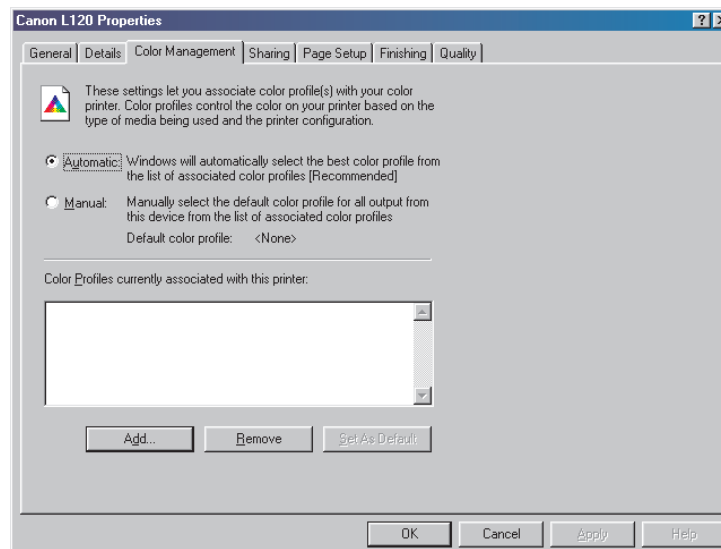
Spool Settings

The installer sets the following defaults.

Color Management Tab

Associate color profiles with your color printer. Refer to your Windows operating system documentation for more information.

Sharing Tab

Specifies the printer sharing settings. This tab sheet is available only when the printer sharing is enabled (see p. 2-45). Refer to your Windows operating system documentation for more information.
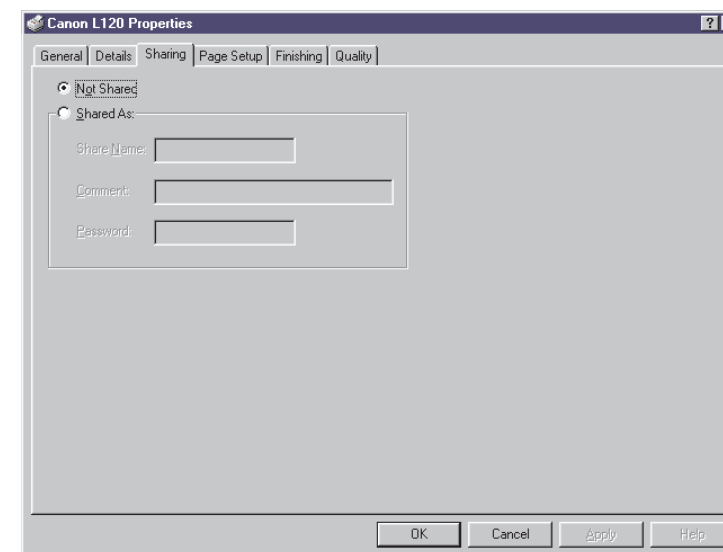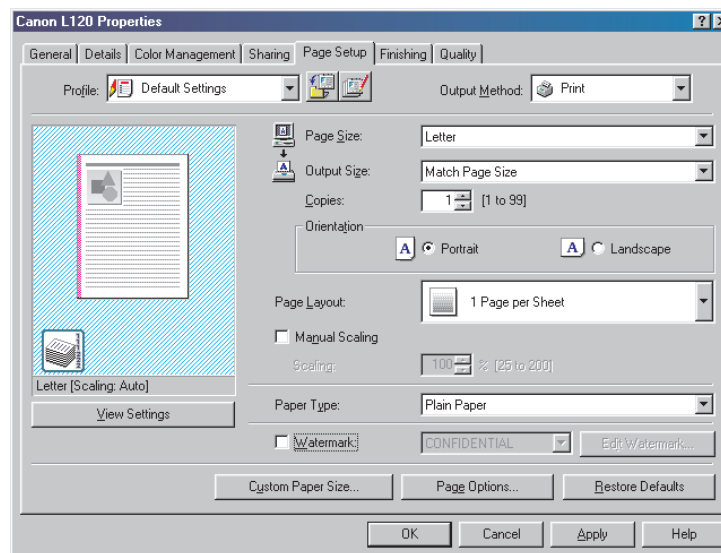
Page Setup Tab

Specifies the page settings including the paper size, scaling, number of copies, orientation, number of pages per sheet, etc. For information on [Profile] and [Output Method], refer to "Profiles," on p. 2-18.

Default settings depend on the country/region of purchase.

[Page Size]	Selects the original page size to work with in an application. Available options are; [Letter], [11 x 17], [Legal], [Executive], [A5], [B5], [A4], [B4], [A3], [Envelope Monarch], [Envelope COM10], [Envelope DL], [Envelope C5] and [Custom [Name fixed]]. However, when [11 x 17], [B4], or [A3] is selected in the [Page size], the original page size is reduced to fit [Letter] automatically.
[Output Size]	Selects the output paper size to print on. When this option is set to anything other than [Match Page Size], the original page size is automatically reduced or enlarged to fit the selected output paper size when printed.

📝 **NOTE**

Up to 50 sizes can be defined for [Custom Paper Size] with the [Custom Paper Size Settings] option (see p. 2-11).

[Copies] Specifies the number of copies to be printed (1 to 99).

[Orientation] Selects the direction of printing relative to the paper ([Portrait] or [Landscape]).

[Page Layout] Selects the number (1, 2, 4, 6, 8, 9 or 16) of original pages per sheet or [Poster] (2 x 2, 3 x 3 or 4 x 4 pages to comprise one sheet). When this option is set to anything other than [1 Page per Sheet] and [Poster], the original page size is reduced to fit the selected page layout when printed.
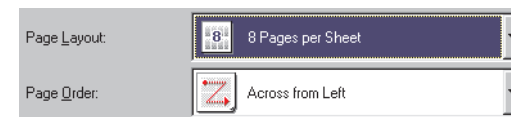
✎ **NOTE**
– When [Poster] is selected, [Manual Scaling], [Watermark] and [Page Options] are disabled.
– When [1 Page per Sheet] is selected, [Manual Scaling] appears. When this option is set to anything other than [1 Page per Sheet], [Manual Scaling] disappears and [Page Order] appears in its place.

[Manual Scaling] Reduces or enlarges the original page size. Selecting this check box enables the edit box on the right side to specify the magnification factor (25 to 200%).

✎ **NOTE**
If you select enlarge/reduce ratio on the [Print] screen of an application software, select 100% in [Manual Scaling].

[Page Order] Selects the order in which original pages are placed on each sheet of the output paper when more than one page is printed per sheet.

Page Layout: [8] 8 Pages per Sheet
Page Order: [Z] Across from Left

[Paper Type] Selects the paper type to print. Available paper types are as follows:
– Plain Paper (16 to 24 lb. (60 to 90 g/m^2))
– Plain Paper L (16 to 24 lb. (60 to 90 g/m^2))
– Heavy Paper (24 to 43 lb. (91 to 163 g/m^2))
– Heavy Paper H (24 to 43 lb. (91 to 163 g/m^2))
– Transparencies

✎ **NOTE**
– If paper curls excessively when printed with [Plain Paper] selected, select [Plain Paper L].
– If print fixing is not sufficient when printed with [Heavy Paper] selected, select [Heavy Paper H].
– Depending on [Output Size] and [Page Layout] settings, [Transparencies] is not displayed.
– If you select [Envelope Monarch], [Envelope COM10], [Envelope DL], or [Envelope C5] as [Output Size], [Paper Type] is automatically set to [Envelope].

[Watermark]   Inserts the selected watermark to be printed on each page. Eight types of pre-defined watermark are available:
– CONFIDENTIAL
– COPY
– DRAFT
– FILE COPY
– FINAL
– PRELIMINARY
– PROOF
– TOP SECRET
Selecting this check box enables [Edit Watermark] to add a watermark.

✎ **NOTE**

This option is disabled when [Page Layout] is set to [Poster].

[Edit Watermark]   Opens the [Edit Watermark] dialog box (see p. 2-9).

[Custom Paper Size]   Opens the [Custom Paper Size Settings] dialog box (see p. 2-11).

[Page Options]   Opens the [Page Options] dialog box (see p. 2-12).
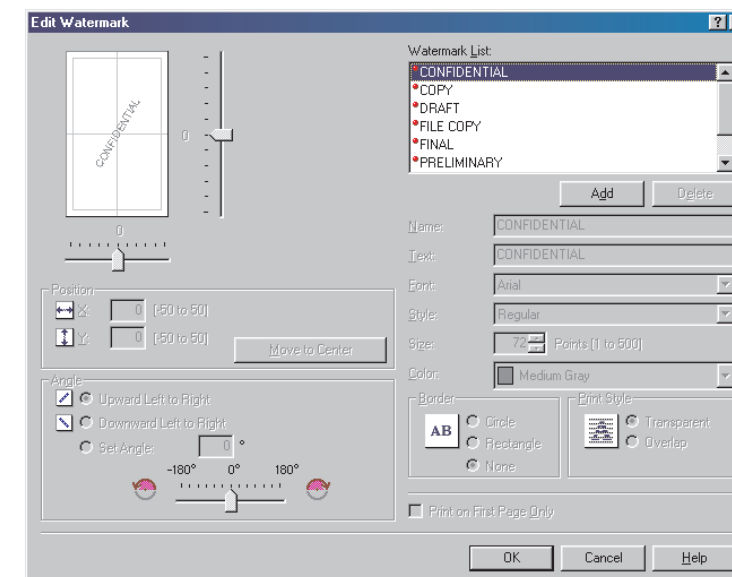
✎ **NOTE**

This option is disabled when [Page Layout] is set to [Poster].

[Restore Defaults]   Resets all the current settings to their default values.

[View Settings]   Click this button to display the [View Settings] dialog box. This dialog box allows you to view and confirm all of the current page settings in a listed from (see p. 2-22).

Edit Watermark

Clicking [Edit Watermark] in the [Page Setup] tab sheet opens the [Edit Watermark] dialog box. This dialog box enables you to insert a text string as a watermark onto pages. This option is enabled only when the [Watermark] check box is selected in the [Page Setup] tab sheet (see p. 2-7).

[Watermark List]   Displays the names of registered watermarks. The preview image in the upper left part of the dialog box displays the selected watermark with the specified settings reflected.

2-9

[Add]   Registers a new watermark. Clicking this button adds a blank name field in [Watermark List] in which you enter the name of watermark to be registered. Up to 50 watermarks can be registered.

[Delete]   Removes the selected watermark from [Watermark List].

> **✎ NOTE**
> You cannot delete a pre-defined watermark or a watermark selected in the [Page Setup] tab.

[Position]   Specifies the position where the watermark is printed on each page. You can enter the values in the [X] and [Y] edit boxes (in a range between –50 and 50), or use the X and Y slide bars to move the position.

[Move to Center]   Relocates the watermark to the center of the page.

[Angle]   Specifies the angle of watermark ([Upward Left to Right], [Downward Left to Right], or [Set Angle]). You can select the corresponding radio button, or use the slide bar to move the angle.

[Name]   Displays the name of the currently selected watermark.

[Text]   Displays the text string of the currently selected watermark.

[Font]   Selects the font type of the watermark.

[Style]   Selects the font style of the watermark. Available styles are [Regular], [Italic], [Bold] and [Bold Italic].

[Size]   Specifies the font size of the watermark (1 to 500).

[Color]   Selects the font color of the watermark.

[Border]   Adds the frame to the watermark. You can select the frame type ([Circle], [Rectangle], or [None]).

[Print Style]   Selects the type of watermark ([Transparent] or [Overlap]).

[Print on First   Prints the selected watermark only on the
Page Only]   first page of the document.

> **✎ NOTE**
> Some settings are not available for pre-defined watermarks.
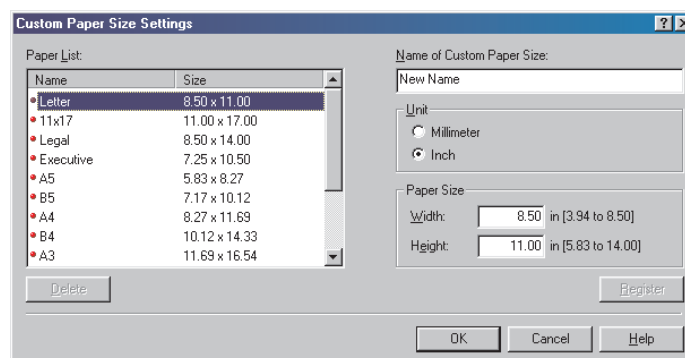
Custom Paper Size Settings

Clicking [Custom Paper Size] in the [Page Setup] tab sheet opens the [Custom Paper Size Settings] dialog box. This dialog box enables you to define custom paper sizes for quick selection and register new custom paper sizes to the [Paper List] box. You can specify the name, width, and height of each size. Up to 50 custom paper sizes can be defined.

📝 **NOTE**

This setting is not available when the [Canon L120 Properties] dialog box is opened from a Windows application.

[Paper List]   Displays the paper sizes actually available. Selects a paper size from which you can create a custom paper size.

📝 **NOTE**

You can share the custom paper sizes with all printers connected to your computer. Up to 50 sizes can be defined for [Custom Paper Size].

[Name of Custom   Specifies the name of custom paper.
Paper Size]

[Unit]   Selects the unit of measurement of paper size ([Millimeter] or [Inch]).

[Paper Size]   Specifies the width and height of the custom paper.

📝 **NOTE**

Be sure that [Width] does not exceed [Height] when specifying the values.

[Register]   Registers the custom paper and adds its name to [Paper List].

[Delete]   Removes the selected custom paper from [Paper List].

📝 **NOTE**

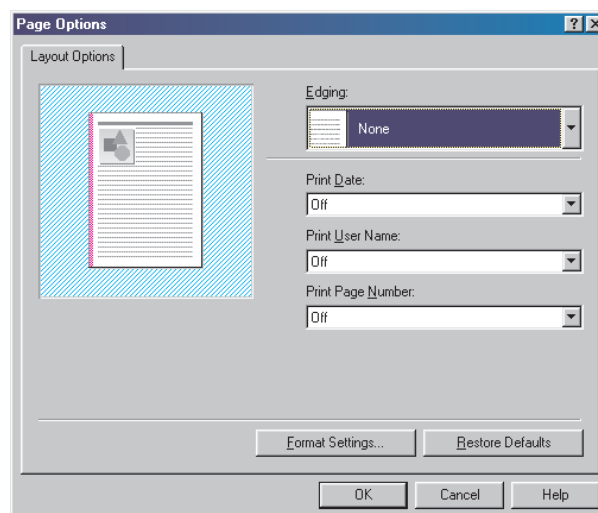You cannot delete a pre-defined paper size or a paper size selected in the [Page Setup] tab.

Page Options

Clicking [Page Options] in the [Page Setup] tab sheet opens the [Page Options] dialog box. This dialog box enables you to print pages with a page frame, header, and footer. This option is disabled when [Page Layout] in the [Page Setup] tab sheet is set to [Poster] (see p. 2-7).

[Page Options dialog box screenshot]

[Edging]   Adds a page frame to be printed on each page. 11 options are available.

[Print Date]   Selects if the date is printed on each page or not. Six positions to print the date are available.

[Print User Name]   Selects if the user name is printed on each page or not. Six positions to print the user name are available.

[Print Page Number]   Selects if the page number is printed on each page or not. Six positions to print the page number are available.

[Format Settings]   Allows you to set the default font type, style, size, and color, or reset to the factory default font settings.

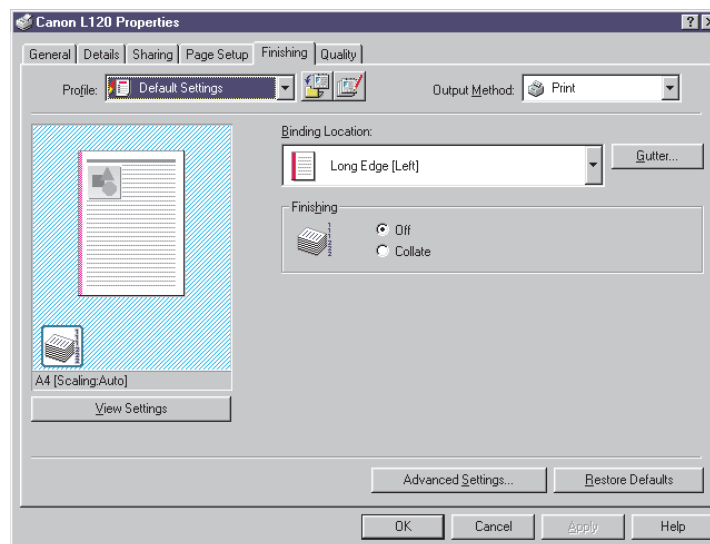[Restore Defaults]   Resets all the current settings to their default values.

Finishing Tab

Specifies the finishing settings for the printed pages including the collating and binding.
For information on [Profile] and [Output Method], refer to "Profiles," on p. 2-18.

[Binding Location] Selects a binding location for the printed pages.

[Gutter] Click this button to set the gutter width for binding a printed document.

[Finishing] Selects the Collate option to print a document in correct binding order. For example, when printing multiple copies of a 3-page document, the print order is 1, 2, 3, 1, 2, 3, and so on. ([Off] or [Collate]).

✍ **NOTE**
If you select [Collate] in [Finishing], the image on the left bottom of the preview image will change.

[Restore Defaults] Resets all the current settings to their default values.

[View Settings] Click this button to display the [View Settings] dialog box. This dialog box allows you to view and confirm all of the current page settings in a listed form (see p. 2-22).
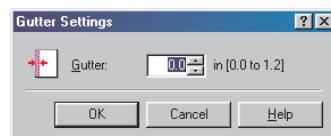
Gutter Settings

Clicking [Gutter] in the [Finishing] tab sheet opens the [Gutter Settings] dialog box.
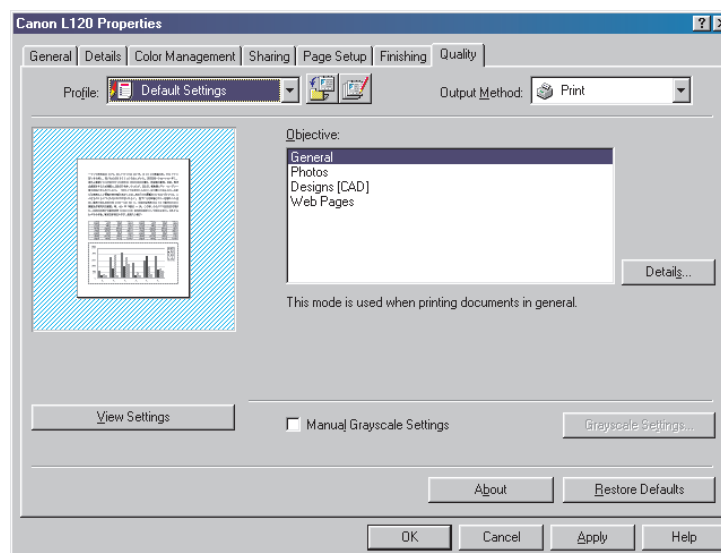
[Gutter]   Specifies the gutter width in a range between 0.0 and 1.2 in. (0 and 30 mm).

Quality Tab

Specifies the settings for print quality including the resolution and contrast.
For more information on [Profile] and [Output Method], refer to "Profiles," on p. 2-18.

[Objective]   Selects the best setting for the print job according to document content.

[Details]   Click this button to open the [Detailed Settings] dialog box and make print quality settings (see p. 2-15).

[Manual Grayscale Settings]   Enables the manual grayscale. Selecting this check box enables [Grayscale Settings] to access the dialog box which enables you to set the grayscale for images (see p. 2-14).

[Grayscale Settings]   Click this button after selecting the [Manual Grayscale Settings] check box to manually adjust the grayscale settings. The [Grayscale Settings] dialog box allows you to specify Brightness, Contrast, and Matching Mode (see p. 2-16).

✎ **NOTE**

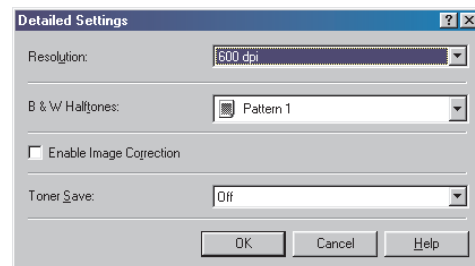This option is enabled only when [Manual Grayscale Settings] is selected.

[View Settings]   Click this button to display the [View Settings] dialog box. This dialog box allows you to view and confirm all of the current page settings in a listed form (see p. 2-22).

[About]   Displays the version information on the driver.

[Restore Defaults]   Resets all the current settings to their default values.

Detailed Settings

Clicking [Details] in the [Quality] tab sheet opens the [Detailed Settings] dialog box. This dialog box enables you to specify the detailed settings for print quality.

[Resolution]   Selects the printer's resolution in dot per inch (600 dpi or 300 dpi).

[B & W Halftones]   Specifies the use of dithering for printing halftone data.
Pattern 1:
Applies dither pattern of clear-cut to text data, of high-quality gradation to graphics data, and of high-quality nature image to image data.
Pattern 2:
Applies the same dither pattern to text data, graphics data, and image data.
Pattern 3:
Applies dither pattern of clear-cut to text and graphics data, and of high-quality nature image to image data.
None [Solid]:
Prints all colors in black except for white.

[Enable Image Correction]   Select [Enable Image Correction] to smooth out the streaking and coarse features that tend to occur when printing enlarged image files and photographs using a software application.

[Toner Save]   Modifies print data to print lighter and conserve toner.
Printer Default:
Prints using the settings in the operation panel of the printer.
Off:
Prints using normal density.
On:
Prints text lighter in printouts for proofreading and choking.
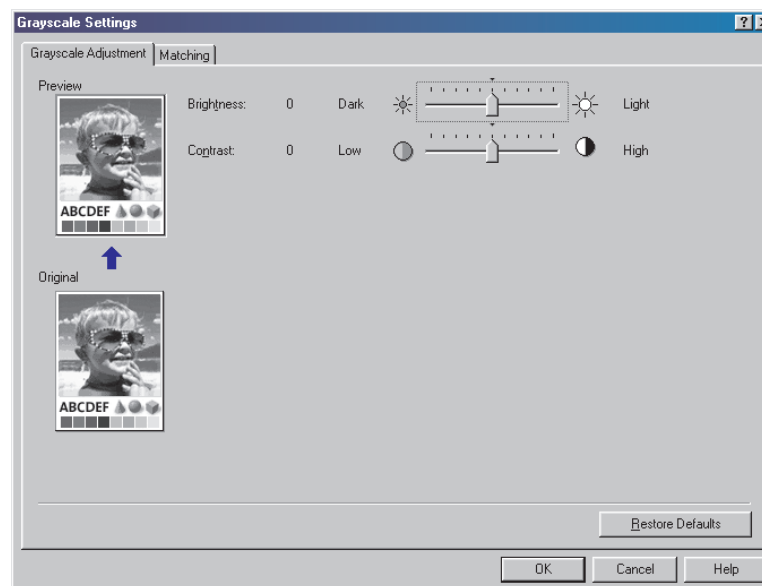
Grayscale Settings

Clicking [Grayscale Settings] in the [Quality] tab sheet opens the [Grayscale Settings] dialog box. This dialog box enables you to control the brightness and contrast of images. This function is enabled only when [Manual Grayscale Setting] is selected in the [Quality] tab sheet (see p. 2-14). Two tab sheets are provided in this dialog box.

Grayscale Adjustment Tab

[Preview]   Displays the image with the currently selected brightness and contrast reflected.

[Original]   Displays the original image.

[Brightness]   Adjusts the brightness of the preview image in the range between –5 and 5.

[Contrast]   Adjusts the contrast of the preview image in the range between –5 and 5.

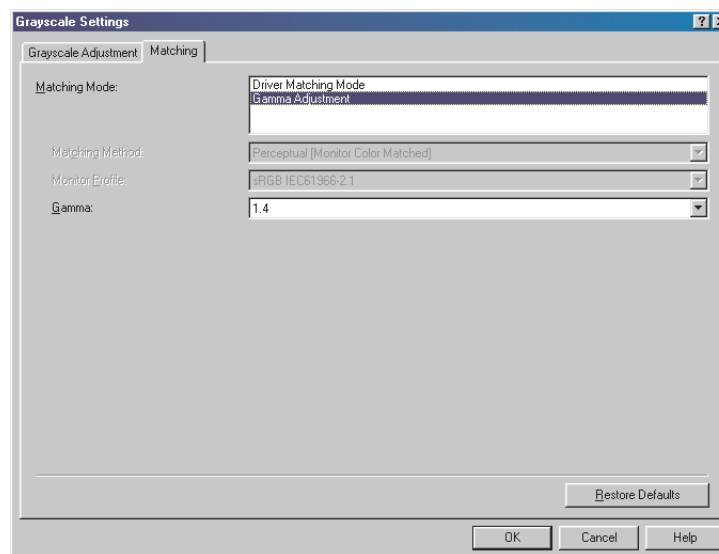[Restore Defaults] Resets all the current settings to their default values.

2-16

Matching Tab

[Matching Mode]   You can specify the procedure for Color correction.
Driver Matching Mode:
Processes color in the printer driver. The settings specified in [Matching Method] and [Monitor Profile] will be enabled.
Gamma Adjustment:
Performs gamma adjustment with the gamma correction value specified in the [Gamma] box.

[Matching Method] Specifies the matching method by assigning highest priority when the [Driver Matching Mode] is selected in the [Matching Mode] box.
Perceptual [Monitor Color Matched]:
Gives priority to matching the hue of the color on the monitor with the color of the printed output.
Colorimetric:
Gives priority to reducing the color difference between the original document on the screen (a logo, for example) and the printed output.
Saturation:
Gives priority to vividness in matching.

✎ **NOTE**

This option can be selected only when [Driver Matching Mode] is selected for [Matching Mode].

[Monitor Profile]   Specifies the setting suitable for your monitor when the [Driver Matching Mode] is selected in the [Matching Mode] box.

📝 **NOTE**

– In the case where several gamma values are provided for one option, select the higher gamma value to obtain better results if the printed image is lighter than that of the monitor.
– If the monitor is set to a custom setting, it is difficult to produce printed output similar to the color of the monitor when performing matching.

[Gamma]   Specifies the gamma correction value when the [Gamma Adjustment] is selected in the [Matching Mode] box.
The brightness of the document printout can be adjusted without losing the brightest and darkest portion of the document.
This option is useful when the printout result is brighter than the original image (for example, a photograph before scanning or graphics displayed on the monitor), or when you want to intentionally change the brightness of the output.
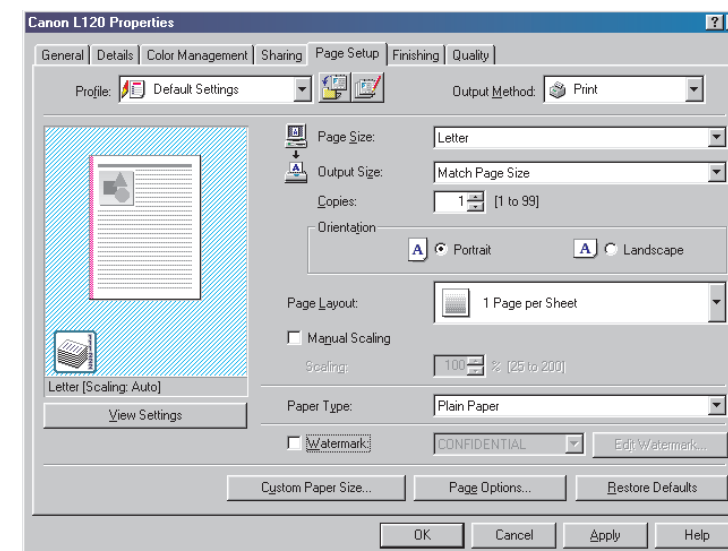Four gamma correction values are provided. The larger the value, the darker the printout is.
1.0
1.4
1.8
2.2

[Restore Defaults]   Resets all the current settings to their default values.

Profiles

A registered combination of settings for the [Page Setup], [Finishing] and [Quality] tab sheets is referred to as a profile. The profile function commonly provided in each of these tab sheets enables you to add, edit, and select a profile, which facilitates your print jobs.

[Profile]   Stores various printer driver settings, each suitable for certain print jobs, as pre-defined Profiles. Selecting Profiles from the drop-down list enables the printer to perform a variety of print jobs. A frequently performed print job can also be saved as a Profile.

Preview image   Displays the image with the currently selected settings reflected.
Changes the setting for [Page Layout] every time you click anywhere inside the image of the page. The setting changes in the following order; [1 Page per Sheet] →
[2 Pages per Sheet] → [4 Pages per Sheet] → [1 Page per Sheet].
Right-clicking the mouse button on the preview image displays the pop-up menu, from which you can also change the setting for [Page Layout].
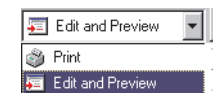Clicking the edges of the preview image of the page changes the binding location.

📝 **NOTE**

Settings made on the [Quality] tab are not reflected in the preview image.

[Output Method]   Switches the job mode between [Print] and [Edit and Preview].

Print:
Executes a normal print job.

Edit and Preview:
Saves the data in the [Canon PageComposer] dialog box. If you open [Canon L120 Properties] from the [Printers] folder and select the [Edit and Preview] mode, 🔒 (Lock) button appears on the right side. When you click this button, the [Edit and Preview] mode is locked.

(Add Profile)   Click this button to display the [Add Profile] dialog box to add a new Profile to the list (see p. 2-20).

(Edit Profile)   Click this button to display the [Edit Profile] dialog box to edit the name, icon, or comment of a stored Profile (see p. 2-20).

[View Settings]   Click this button to display the [View Settings] dialog box. This dialog box allows you to view and confirm all of the current page settings in a listed form (see p. 2-22).
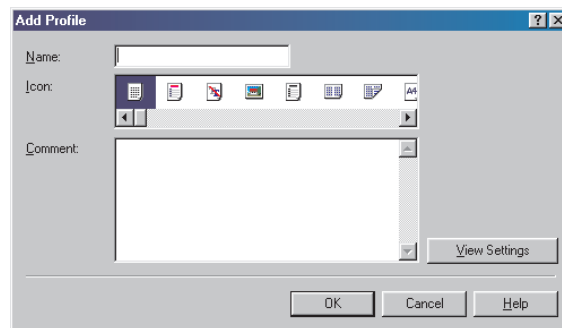
Add Profile

Clicking ▣ (Add Profile) opens the [Add Profile] dialog box. This dialog box enables you to register a new profile with the current settings. You can add up to 50 new profiles.

[Name]	Specifies the name of the profile to be registered.
[Icon]	Selects an icon to represent the profile to be registered.
[Comment]	Adds comments on the profile to be registered.
[View Settings]	Click this button to display the [View Settings] dialog box. This dialog box allows you to view and confirm all of the current page settings in a listed form (see p. 2-22).

Edit Profile

Clicking ▣ (Edit Profile) opens the [Edit Profile] dialog box. This dialog box enables you to edit the profile selected in [Profile List].
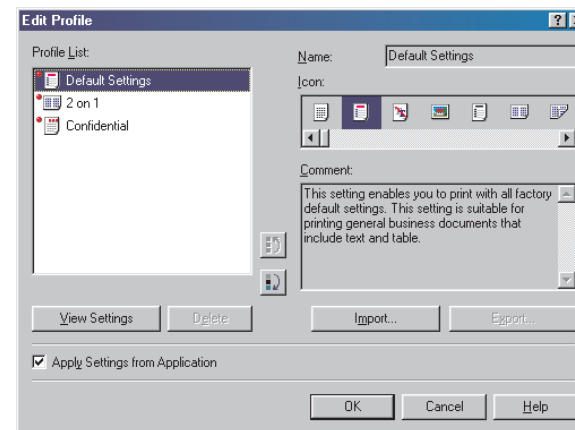
[Profile List]	Executes a normal print job.
[View Settings]	Click this button to display the [View Settings] dialog box. This dialog box allows you to view and confirm all of the current page settings in a listed form (see p. 2-22).

Introduction 1

Printing 2

Troubleshooting 3

Appendix 4

(Move Up)   Moves the profile selected in the [Profile List] one position up.

(Move Down)   Moves the profile selected in the [Profile List] one position down.

[Delete]   Removes the selected profile from [Profile List].

NOTE

When one of the pre-defined profiles or the profiles you defined in [Profile] of the [Page Setup] tab is selected, you cannot delete it.

[Name]   Displays and allows you to change the name of the currently selected profile.

NOTE

When one of the pre-defined profiles is selected, the name cannot be changed.

[Icon]   Displays and allows you to change the icon representing the currently selected profile.

NOTE

When one of the pre-defined profiles is selected, the icon cannot be changed.

[Comment]   Displays and allows you to change the comment on the currently selected profile.

NOTE

When one of the pre-defined profiles is selected, the comment cannot be changed.

[Import]   Enables you to import profile information from a file.

[Export]   Enables you to export the selected profile information to a file.

NOTE

When one of the pre-defined profiles is selected, this button is disabled.

[Apply Settings from Application]   Applies the selected profile only to the settings other than [Page Size], [Orientation] and [Copies].
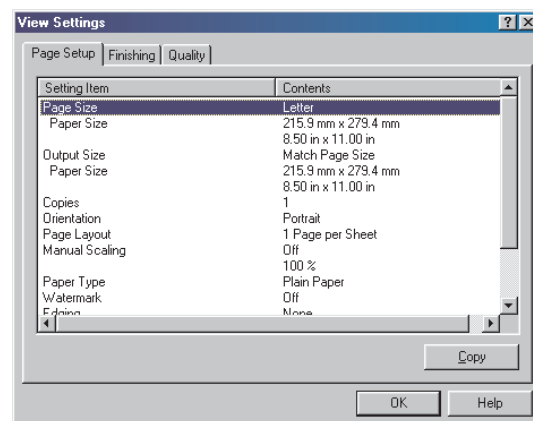
Table of Contents

Index

2-21

View Settings

Clicking [View Settings] opens the [View Settings] dialog box.
This dialog box displays the current settings in the [Page Setup],
[Finishing], and [Quality] tab sheets.

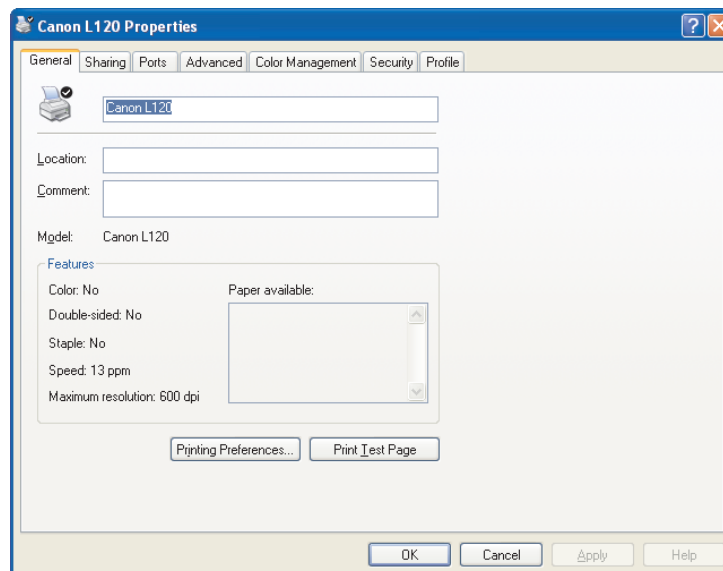[Copy]   Copies the contents of the current settings to
the clipboard.

Windows 2000/XP Properties and Printing Preferences

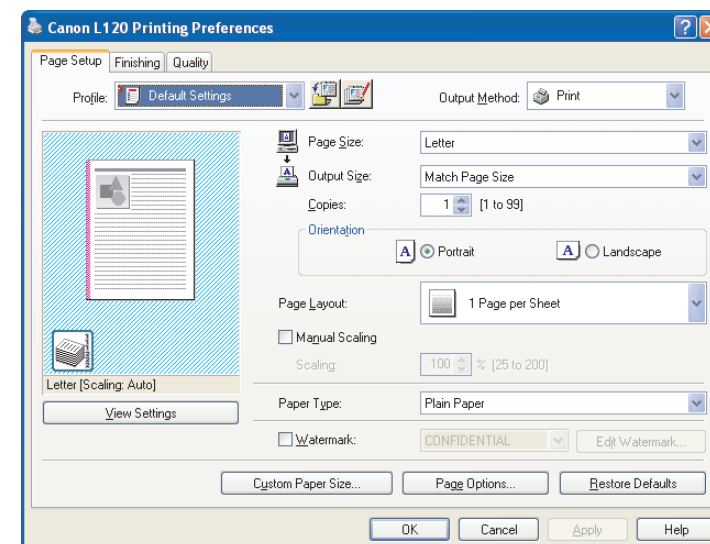The printer driver for Windows 2000/XP has the following two main dialog boxes:

The Properties Dialog Box

This dialog box enables you to set up the printer configuration and configure the print settings for all Windows applications.

The Printing Preferences Dialog Box

This dialog box enables you to specify the default settings for the printing options available when you print on the Canon L120.

■ Properties

The [Canon L120 Properties] dialog box contains several tab sheets that enable you to set up the printer configuration and configure the print settings.

📝 **NOTE**

– The number of tabs displayed in the properties dialog box depends on how you have your system set up.
– For more information about the following features, see the Online Help (see p. 1-2).
– The screen shots shown are from Windows XP.

General Tab

Lets you print a test page and define printing preferences. Refer to your Windows operating system documentation for more information.
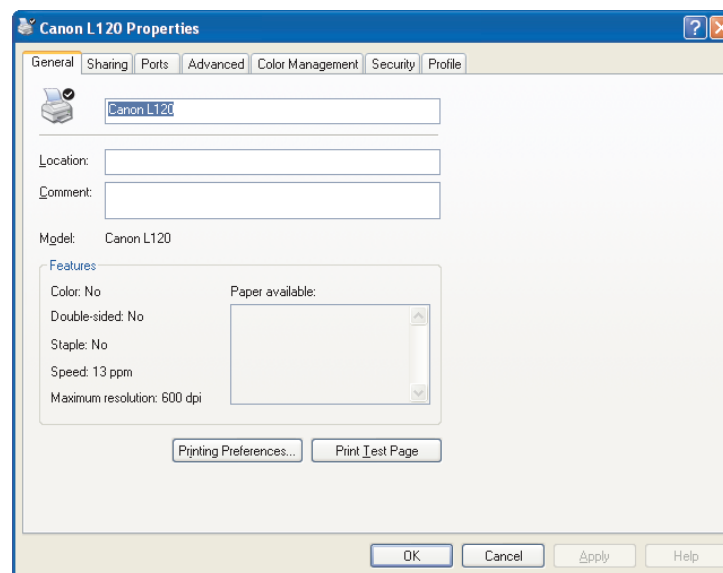
Sharing Tab

Specifies the printer sharing settings. This tab sheet is available only when the printer sharing is enabled (see p. 2-45). Refer to your Windows operating system documentation for more information.

2-24
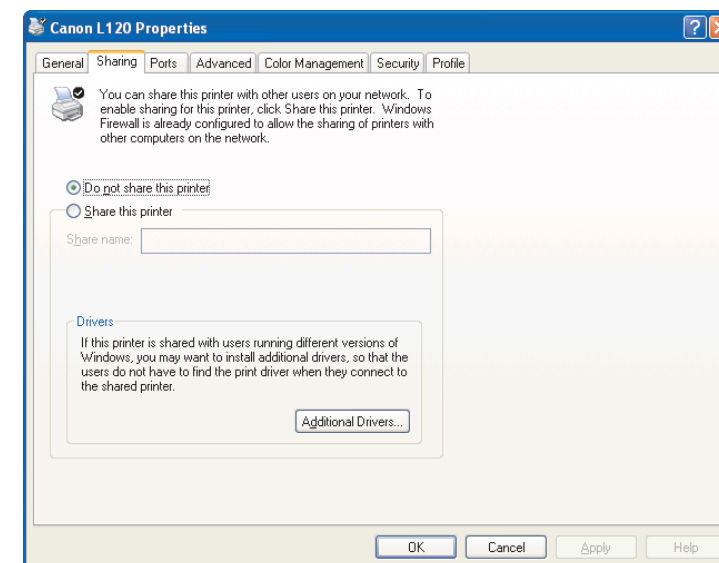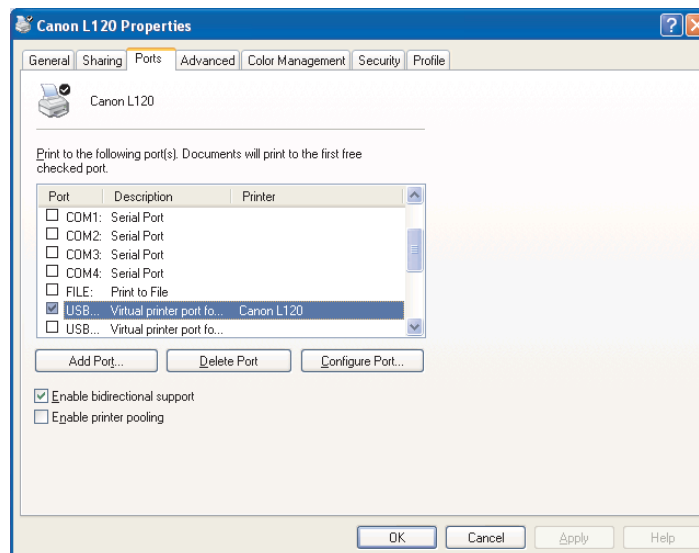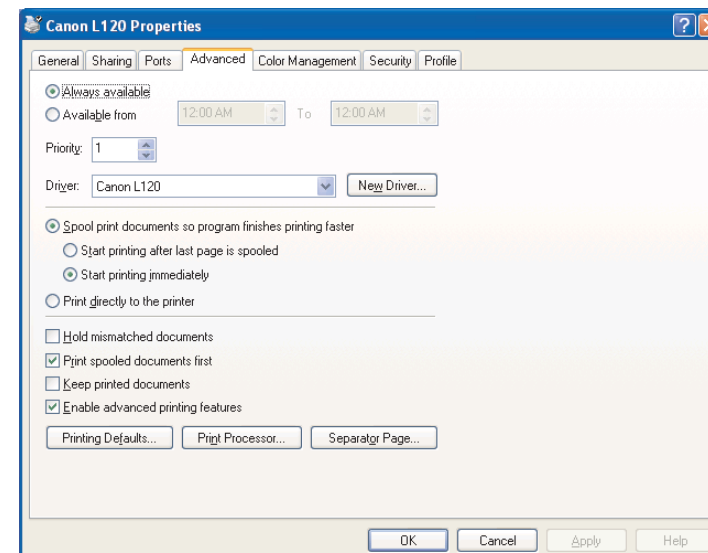
Ports Tab

Specifies the port to which the printer is attached. Refer to your Windows operating system documentation for more information.

Advanced Tab

Specifies the settings for print spooling. Refer to your Windows operating system documentation for more information.

✎ **NOTE**

[Spool print documents so program finishes printing faster] and [Start printing immediately] are set automatically when you install the printer driver.
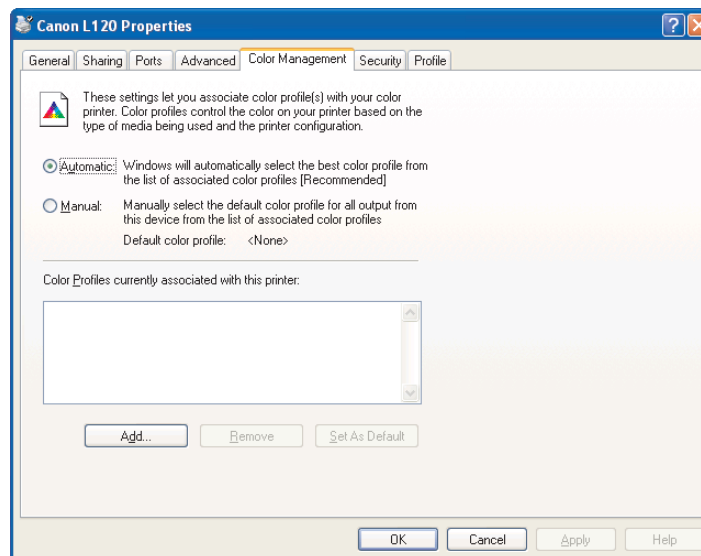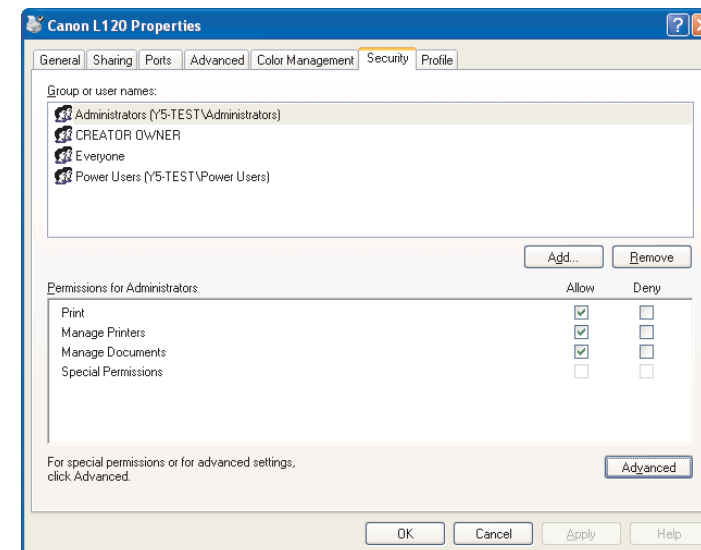
Color Management Tab

Associates color profiles with your color printer. Refer to your Windows operating system documentation for more information.

Security Tab

Specifies security settings. Refer to your operating system documentation for more information.

Profile Tab

Enables you to add, edit, and select a profile to be applied to print jobs.

[Profile List]   Displays the list of registered profiles.

[Name]   Displays the name of the profile currently selected in [Profile List].

[Comment]   Describes the currently selected profile.

[View Settings]   Displays the settings of the currently selected profile (see p. 2-44).

[Add]   Opens the [Add/Edit Profile] dialog box which enables you to register a new profile (see p. 2-28).
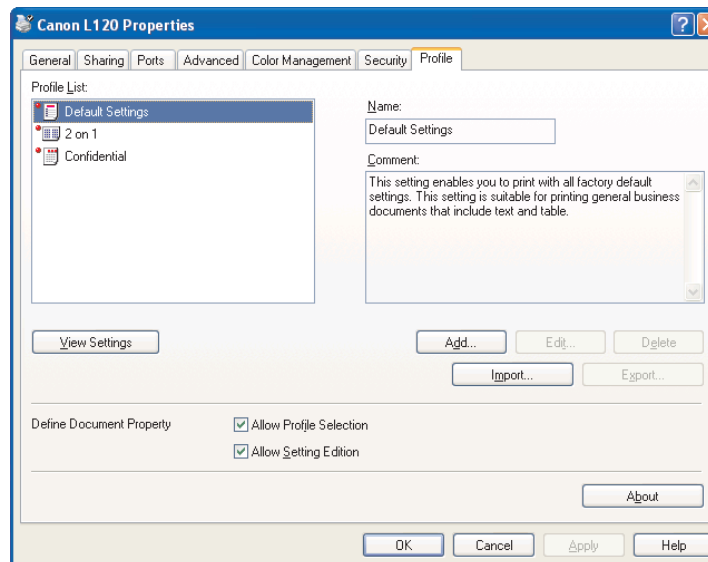
[Edit]   Opens the [Add/Edit Profile] dialog box which enables you to edit the registered profiles (see p. 2-28).

✏ **NOTE**

When one of the pre-defined profiles ([Default Settings], [2 on 1], or [Confidential]) is selected in [Profile List], this button is disabled.

[Delete]   Removes the selected profile from [Profile List].

✏ **NOTE**

When one of the pre-defined profiles is selected, this button is disabled.

[Import]   Enables you to import profile information
                    from a file.

[Export]   Enables you to export the selected profile
                    information to a file.

📝 **NOTE**

When one of the pre-defined profiles is selected, this button is
disabled.

[Define Document   Controls the profile settings.
Property]

[Allow Profile   Enables selection of profiles in the document
Selection]   properties dialog box.

[Allow Setting   Enables addition and edition of profiles as
Edition]   well as selection.

📝 **NOTE**

When [Allow Profile Selection] is cleared, [Allow Setting Edition] is
disabled.

Add/Edit Profile

Clicking [Add] or [Edit] opens the [Add/Edit Profile] dialog box
which enables you to register new profiles and edit existing
profiles. This dialog box has four tab sheets.

Attribution Tab

The [Attribution] tab sheet enables you to specify attributions of
the profile.
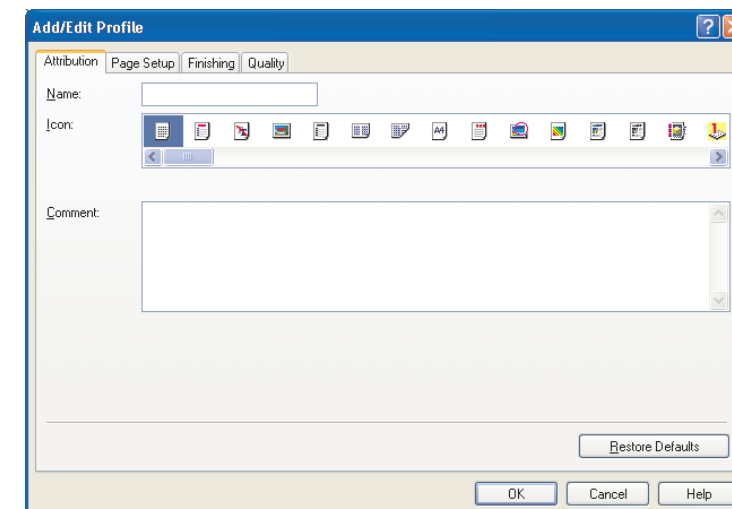
[Name]   Specifies the name of the new profile, or
                   allows you to change the name of the profile
                   selected in the [Profile] tab sheet.

2-28

[Icon]   Selects an icon to represent the new
                      profile, or allows you to change the icon
                      of the profile selected in the [Profile] tab
                      sheet.

[Comment]   Adds comments on the new profile, or allows
                      you to change the comments on the profile
                      selected in the [Profile] tab sheet.

[Restore Defaults]   Resets all the current settings to their default
                      values.

Page Setup Tab

Specifies the page settings including the paper size, scaling,
number of copies, orientation, and number of pages per sheet
(see p. 2-30).

Finishing Tab

Specifies the finishing settings for the printed pages including
the collating and binding (see p. 2-36).

Quality Tab

Specifies the print quality including resolution, brightness and
contrast (see p. 2-37).

■ Printing Preferences

The [Canon L120 Printing Preferences] dialog box contains
three tab sheets that enable you to specify the default print
settings for every print job.

✎ NOTE
– If you access the equivalent dialog box from an application's [Print]
  dialog box, your selected printing options apply only to the current
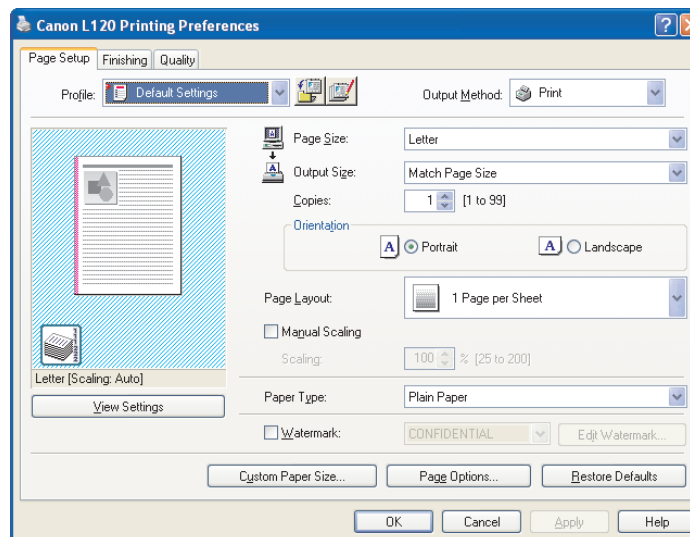 print job.
– The screen shots shown are from Windows XP.

2-29

Page Setup Tab

Specifies the page settings including the paper size, scaling, number of copies, orientation, number of pages per sheet, etc. For information on [Profile] and [Output Method], refer to "Profiles," on p. 2-41.

Default settings depend on the country/region of purchase.

Preview image   Displays the image with the currently selected settings reflected. For details on preview image, see page 2-41.

[Page Size]   Selects the original page size to work with in an application. Available options are; [Letter], [11 x 17], [Legal], [Executive], [A5], [B5], [A4], [B4], [A3], [Envelope Monarch], [Envelope COM10], [Envelope DL], [Envelope C5], and [Custom [Name fixed]]. However, when [11 x 17], [B4], or [A3] is selected in the [Page Size], the original page size is automatically reduced to fit [Letter] size.

[Output Size]   Selects the output paper size to print on. When this option is set to anything other than [Match Page Size], the original page size is automatically reduced or enlarged to fit the selected output paper size when printed.

🖉 NOTE

Up to 50 sizes can be defined for [Custom Paper Size] with the [Custom Paper Size Settings] option (see p. 2-34).

[Copies]   Specifies the number of copies to be printed (1 to 99).

[Orientation]   Selects the direction of printing relative to the paper ([Portrait] or [Landscape]).

[Page Layout]   Selects the number (1, 2, 4, 6, 8, 9 or 16) of original pages per sheet or [Poster] (2 x 2, 3 x 3 or 4 x 4 pages to comprise one sheet). When this option is set to anything other than [1 Page per Sheet] and [Poster], the original page size is reduced to fit the selected page layout when printed.

✎ **NOTE**
– When [Poster] is selected, [Manual Scaling], [Watermark] and [Page Options] are disabled.
– When [1 Page per Sheet] is selected, [Manual Scaling] appears. When this option is set to anything other than [1 Page per Sheet], [Manual Scaling] disappears and [Page Order] appears in its place.

[Manual Scaling]   Reduces or enlarges the original page size. Selecting this check box enables the edit box on the right side to specify the magnification factor (25 to 200%).
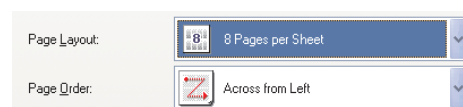
✎ **NOTE**
If you select enlarge/reduce ratio on the [Print] screen of an application software, select 100% in [Manual Scaling].

[Page Order]   Selects the order in which original pages are placed on each sheet of the output paper when more than one page is printed per sheet.

Page Layout: 8 Pages per Sheet

Page Order: Across from Left

[Paper Type]   Selects the paper type to print. Available paper type are as follows:
– Plain Paper (16 to 24 lb. (60 to 90 g/m^2))
– Plain Paper L (16 to 24 lb. (60 to 90 g/m^2))
– Heavy Paper (24 to 43 lb. (91 to 163 g/m^2))
– Heavy Paper H (24 to 43 lb. (91 to 163 g/m^2))
– Transparencies

✎ **NOTE**
– If paper curls excessively when printed with [Plain Paper] selected, select [Plain Paper L].
– If print fixing is not sufficient when printed with [Heavy Paper] selected, select [Heavy Paper H].
– Depending on [Output Size] and [Page Layout] settings, [Transparencies] is not displayed.
– If you select [Envelope Monarch], [Envelope COM10], [Envelope DL], or [Envelope C5] as [Output Size], [Paper Type] is automatically set to [Envelope].

[Watermark]   Inserts the selected watermark to be printed on each page. Eight types of pre-defined watermark are available:
– CONFIDENTIAL
– COPY
– DRAFT
– FILE COPY
– FINAL
– PRELIMINARY
– PROOF
– TOP SECRET
Selecting this check box enables [Edit Watermark] to add a watermark.

🖉 **NOTE**

This option is disabled when [Page Layout] is set to [Poster].

[Edit Watermark]　Click this button to specify detailed watermark settings (see p. 2-32).

[Custom Paper Size]　Click this button to specify the dimensions for a paper size other than the provided standard paper sizes (see p. 2-34).

🖉 **NOTE**

You can specify the dimensions for a paper size only in the [Printer Properties] dialog box ([start] → [Printers and Faxes] (Windows 2000: [Printers])). You cannot specify the dimensions from the [Document Properties] dialog box (software application).

[Page Options]　Click this button to select options for printing dates, user name, page numbers, and borders, etc. (see p. 2-35).

🖉 **NOTE**

This option is disabled when [Page Layout] is set to [Poster].

[Restore Defaults]　Resets all the current settings to their default values.

[View Settings]　Click this button to display the [View Settings] dialog box. This dialog box allows you to view and confirm all of the current page settings in a listed form (see p. 2-44).

Edit Watermark

Clicking [Edit Watermark] in the [Page Setup] tab sheet opens the [Edit Watermark] dialog box. This dialog box enables you to insert a text string as a watermark onto pages. This option is enabled only when the [Watermark] check box is selected in the [Page Setup] tab sheet.
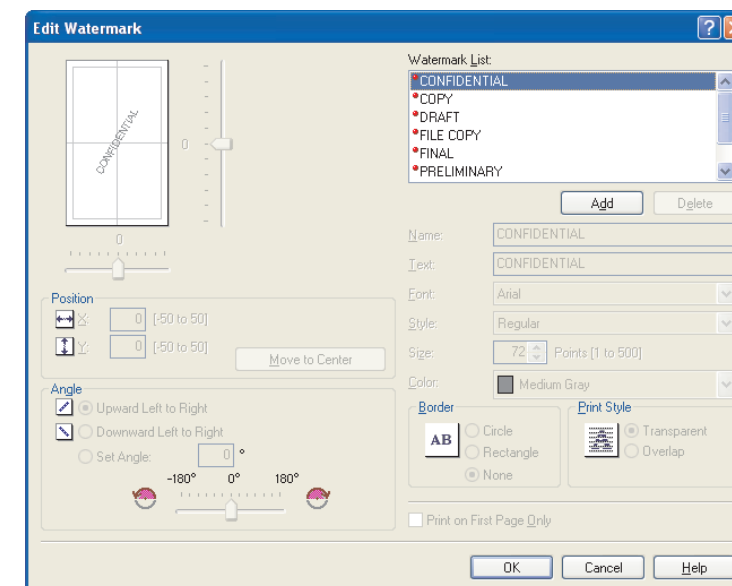
[Watermark List]　Displays the names of registered watermarks. The preview image in the upper left part of the dialog box displays the selected watermark with the specified settings reflected.

[Add]　Registers a new watermark. Clicking this button adds a blank name field in [Watermark List] in which you enter the name of watermark to be registered. Up to 50 watermarks can be registered.

[Delete]　Removes the selected watermark from [Watermark List].

📝 **NOTE**

You cannot delete a pre-defined watermark or a watermark selected in the [Page Setup] tab.

[Position]　Specifies the position where the watermark is printed on each page. You can enter the values in the [X] and [Y] edit boxes (in a range between –50 and 50), or use the X and Y slide bars to move the position.

[Move to Center]　Relocates the watermark to the center of the page.

[Angle]　Sets the angle of watermark. ([Upward Left to Right], [Downward Left to Right], or [Set Angle]). You can select the corresponding radio button, or use the slide bar to move the angle, or enter a desired value in the [Set Angle] edit box (in a range between -180 and 180).

[Name]　Displays the name of the currently selected watermark.

[Text]　Displays the text string of the currently selected watermark.

[Font]　Selects the font type of the watermark.

[Style]　Selects the font style of the watermark. Available styles are [Regular], [Italic], [Bold] and [Bold Italic].

[Size]　Specifies the font size of the watermark (1 to 500).

[Color]　Selects the font color of the watermark.

[Border]　Adds the frame to the watermark. You can select the frame type ([Circle], [Rectangle], or [None]).

[Print Style]　Selects the type of watermark ([Transparent] or [Overlap]).

[Print on First Page Only]　Prints the selected watermark only on the first page of the document.

📝 **NOTE**

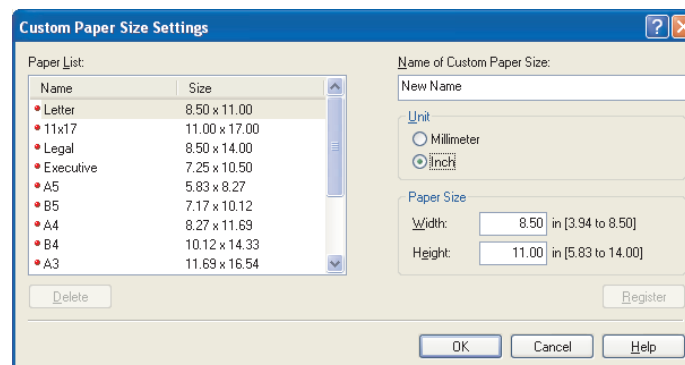Some settings are not available for pre-defined watermarks.

Custom Paper Size Settings

Clicking [Custom Paper Size] in the [Page Setup] tab sheet opens the [Custom Paper Size Settings] dialog box. This dialog box enables you to define custom paper sizes for quick selection and register new custom paper sizes to the [Paper List] box. You can specify the name, width, and height of each size.

✎ **NOTE**
This setting is available only when you open the [Canon L120 Printing Preferences] dialog box from the [Printers and Faxes] (Windows 98/Me/2000: [Printers]) folder.

[Paper List]   Displays the paper sizes actually available. Selects a paper size from which you can create a custom paper size.

✎ **NOTE**
You can share the custom paper sizes with all printers connected to your computer. Up to 50 sizes can be defined for [Custom Paper Size].

[Name of Custom   Specifies the name of custom paper.
Paper Size]

[Unit]   Selects the unit of measurement of paper size ([Millimeter] or [Inch]).

[Paper Size]   Specifies the width and height of the custom paper.

✎ **NOTE**
Be sure that [Width] does not exceed [Height] when specifying the values.

[Register]   Registers the custom paper and adds its name to [Paper List].

✎ **NOTE**
To register a new custom paper size, be sure to log on as a member of Administrators (Windows 2000/XP) or Power User (Windows 2000 only). To change the paper size for the existing custom paper size, be sure to log on as a member of Administrators.

[Delete]   Removes the selected custom paper from [Paper List].

✎ **NOTE**
– You cannot delete a pre-defined paper size or a paper size selected in the [Page Setup] tab.
– To delete a registered custom paper size, be sure to log on as a member of Administrators.
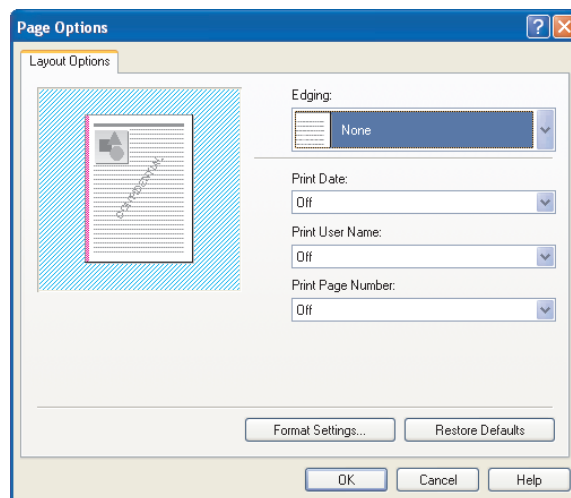
Page Options

Clicking [Page Options] in the [Page Setup] tab sheet opens the [Page Options] dialog box. This dialog box enables you to print pages with a page frame, header, and footer. This option is disabled when [Page Layout] in the [Page Setup] tab sheet is set to [Poster].

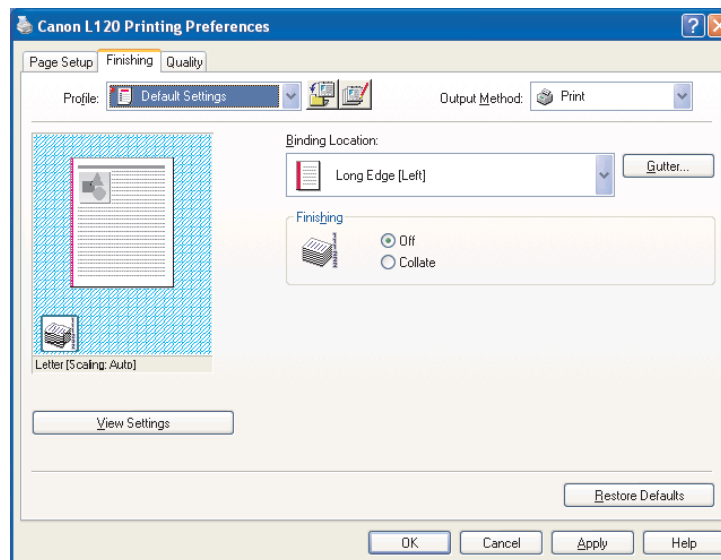| [Edging] | Adds a page frame to be printed on each page. 11 options are available. Edging is not available to use with [Print Grayscale Sample] in the [Quality] tab sheet (see p. 2-37). |
[Print Date]	Selects if the date is printed on each page or not. Six positions to print the date are available.
[Print User Name]	Selects if the user name is printed on each page or not. Six positions to print the user name are available.
[Print Page Number]	Selects if the page number is printed on each page or not. Six positions to print the page number are available.
[Format Settings]	Allows you to set the default font type, style, size, and color, or reset to the factory default font settings.
[Restore Defaults]	Resets all the current settings to their default values.

Finishing Tab

Specifies the finishing settings for the printed pages including the collating and binding.
For information on [Profile] and [Output Method], refer to "Profiles," on p. 2-41.

Preview image | Displays the image with the currently selected settings reflected. For details on preview image, see page 2-41.

[Binding Location] | Selects a binding location for the printed pages.

[Gutter] | Click this button to set the gutter width for binding a printed document (see p. 2-36).

[Finishing] | Select the Collate option to print a document in correct binding order. For example, when printing multiple copies of a 3-page document, the print order is 1, 2, 3, 1, 2, 3, and so on. ([Off] or [Collate]).

📝 **NOTE**

If you select [Collate] in [Finishing], the image on the left bottom of the preview image will change.

[Restore Defaults] | Resets all the current settings to their default values.

[View Settings] | Click this button to display the [View Settings] dialog box. This dialog box allows you to view and confirm all of the current page settings in a listed form (see p. 2-44).

Gutter Settings

Clicking [Gutter] in the [Finishing] tab sheets opens the [Gutter Settings] dialog box.
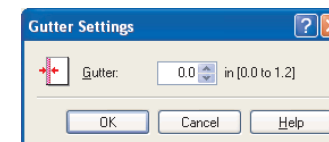
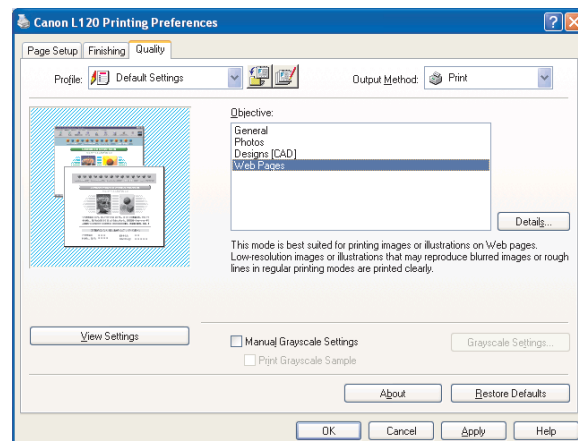[Gutter] | Specifies the gutter width in a range between 0.0 and 1.2 in. (0 and 30 mm).

Quality Tab

Specifies the settings for print quality including the resolution and contrast.

For information on [Profile] and [Output Method], refer to "Profiles," on p. 2-41.

[Objective]	Selects the best setting for the print job according to document content.
[Details]	Click this button to open the [Detailed Settings] dialog box and make print quality settings (see p. 2-38).
[Manual Grayscale Settings]	Enables the manual grayscale. Selecting this check box enables [Grayscale Settings] to access the dialog box which allows you to set the grayscale for images (see p. 2-39).
[Print Grayscale Sample]	Prints nine thumbnails per sheet to provide the print samples with the current grayscale settings when printing the document.

✎ **NOTE**

This option is enabled only when [Manual Grayscale Settings] is selected.

[Grayscale Settings]	Click this button after selecting the [Manual Grayscale Settings] check box to manually adjust the grayscale settings. The [Grayscale Settings] dialog box allows you to specify Brightness, Contrast, and Matching Mode (see p. 2-39).

✎ **NOTE**

This option is enabled only when [Manual Grayscale Settings] is selected.

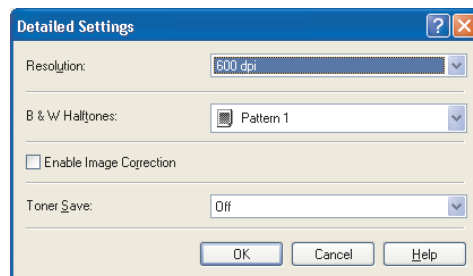| [View Settings]	Click this button to display the [View Settings] dialog box. This dialog box allows you to view and confirm all of the current page settings in a listed form (see p. 2-44).
[About]	Displays the version information on the driver.
[Restore Defaults]	Resets all the current settings to their default values.

Detailed Settings

Clicking [Details] in the [Quality] tab sheet opens the [Detailed Settings] dialog box. This dialog box enables you to specify detailed settings for print quality.

[Resolution]   Selects the printer's resolution in dot per inch (600 dpi or 300 dpi).

[B & W Halftones] Specifies the use of dithering for printing halftone data.
Pattern 1:
Applies dither pattern of clear-cut to text data, of high-quality gradation to graphics data, and of high-quality nature image to image data.
Pattern 2:
Applies the same dither pattern to text data, graphics data, and image data.
Pattern 3:
Applies dither pattern of clear-cut to text and graphics data, and of high-quality nature image to image data.
None [Solid]:
Prints all colors in black except for white.

[Enable Image Correction]   Select [Enable Image Correction] to smooth out the streaking and coarse features that tend to occur when printing enlarged image files and photographs using a software application.

[Toner Save]   Modifies print data to print lighter and conserve toner.
Printer Default:
Prints using the settings in the operation panel of the printer.
Off:
Prints using normal density.
On:
Prints text lighter in printouts for proofreading and checking.
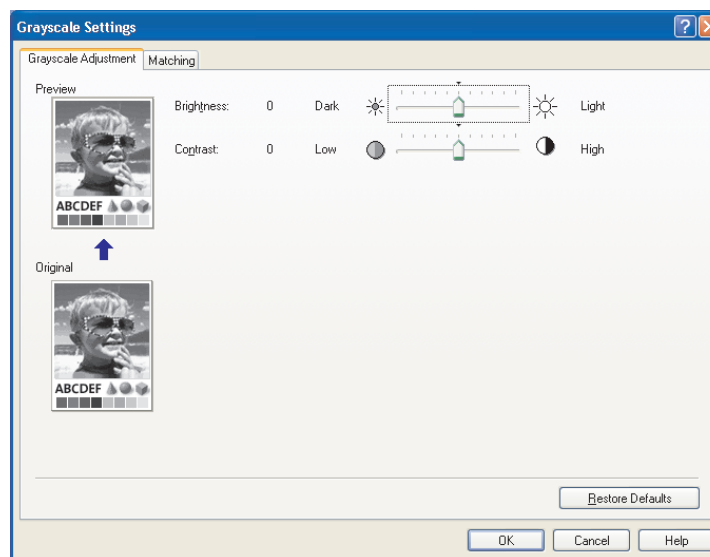
Grayscale Settings

Clicking [Grayscale Settings] in the [Quality] tab sheet opens the [Grayscale Settings] dialog box. This dialog box enables you to control the brightness and contrast of images. This function is enabled only when [Manual Grayscale Settings] is selected in the [Quality] tab sheet (see p. 2-37). Two tab sheets are provided in this dialog box.

Grayscale Adjustment Tab

[Preview]	Displays the image with the currently selected brightness and contrast reflected.
[Original]	Displays the original image.
[Brightness]	Adjusts the brightness of the preview image in the range between –5 and 5.

| [Contrast] | Adjusts the contrast of the preview image in the range between –5 and 5. |
| [Restore Defaults] | Resets all the current settings to their default values. |

Matching Tab
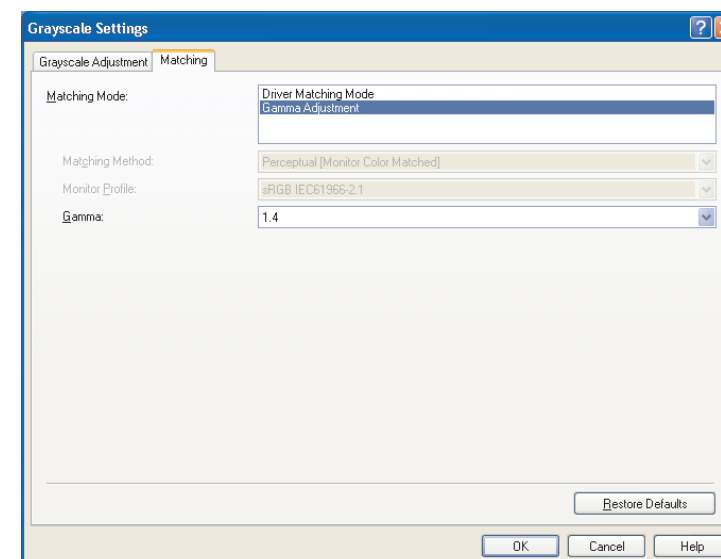
[Matching Mode]   Specifies the procedure for color correction.
Driver Matching Mode:
Processes color in the printer driver. The settings specified in [Matching Method] and [Monitor Profile] will be enabled.
Gamma Adjustment:
Performs gamma adjustment with the gamma correction value specified in the [Gamma] box.

[Matching Method]   Specifies the matching method by assigning highest priority when the [Driver Matching Mode] is selected in the [Matching Mode] box.
Perceptual [Monitor Color Matched]:
Gives priority to matching the hue of the color on the monitor with the color of the printed output.
Colorimetric:
Gives priority to reducing the color difference between the original document on the screen (a logo, for example) and the printed output.
Saturation:
Gives priority to vividness in matching.

🖉 **NOTE**

This option can be selected only when [Driver Matching Mode] is selected for [Matching Mode].

[Monitor Profile]   Specifies the setting suitable for your monitor when the [Driver Matching Mode] is selected in the [Matching Mode] box.

🖉 **NOTE**

In the case where several gamma values are provided for one option, select the higher gamma value to obtain better results if the printed image is lighter than that of the monitor.
If the monitor is set to a custom setting, it is difficult to produce printed output similar to the color of the monitor when performing matching.

[Gamma]   Specifies the gamma correction value when the [Gamma Adjustment] is selected in the [Matching Mode] box.
The brightness of the document printout can be adjusted without losing the brightest and darkest portion of the document.
This option is useful when the printout result is brighter than the original image (for example, a photograph before scanning or graphics displayed on the monitor), or when you want to intentionally change the brightness of the output.
Four gamma correction values are provided. The larger the value, the darker the printout is.
1.0
1.4
1.8
2.2

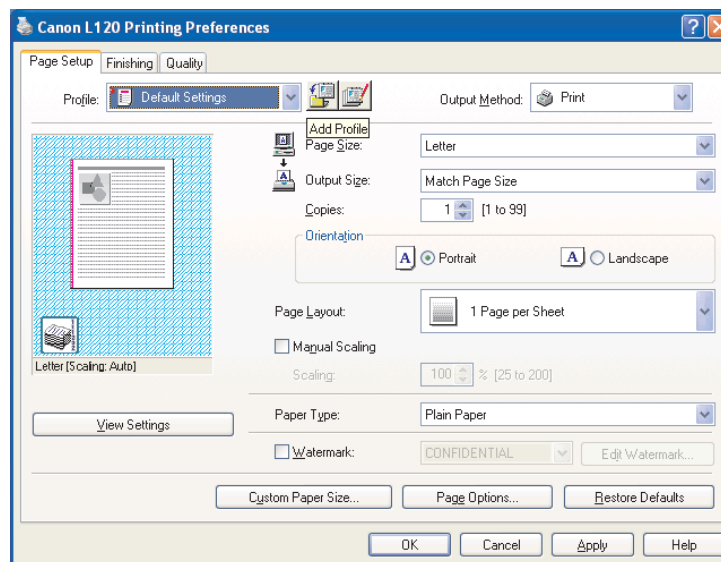[Restore Defaults] Resets all the current settings to their default values.

Profiles

A registered combination of settings for the [Page Setup], [Finishing], and [Quality] tab sheets is referred to as a profile. The profile function commonly provided in each of these tab sheets enables you to add, edit, and select a profile, which facilitates your print jobs.

[Profile]   Stores various printer driver settings, each suitable for certain print jobs, as pre-defined Profiles. Selecting Profiles from the drop-down list enables the printer to perform a variety of print jobs. A frequently performed print job can also be saved as a Profile.

Preview image   Displays the image with the currently selected settings reflected. Changes the setting for [Page Layout] every time you click anywhere inside the image of the page. The setting changes in the following order; [1 Page per Sheet] → [2 Pages per Sheet] → [4 Pages per Sheet] → [1 Page per Sheet]. Right-clicking the mouse button on the preview image displays the pop-up menu, from which you can also change the setting for [Page Layout]. Clicking the edges of the preview image of the page changes the binding location.

📎 NOTE

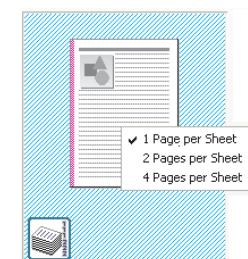Settings made on the [Quality] tab are not reflected in the preview image.
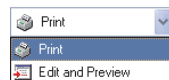
[Output Method]   Switches the job mode between [Print] and [Edit and Preview].

Print:
Executes a normal print job.

Edit and Preview:
Saves the data in the [Canon PageComposer] dialog box. If you open [Canon L120 Printing Preferences] from the [Printers and Faxes] (Windows 2000: [Printers]) folder and select the [Edit and Preview] mode, (Lock) button appears on the right side. When you click this button, the [Edit and Preview] mode is locked.

(Add Profile)   Click this button to display the [Add Profile] dialog box to add a new Profile to the list (see p. 2-42).
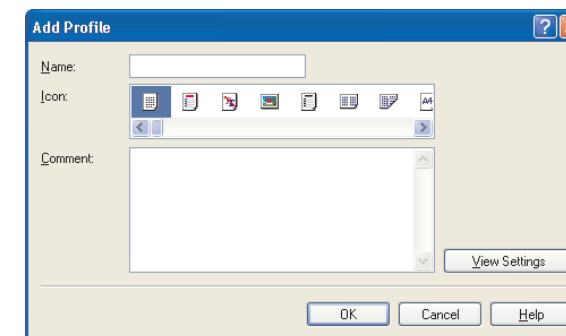
(Edit Profile)   Click this button to display the [Edit Profile] dialog box to edit the name, icon, or comment of a stored Profile (see p. 2-43).

[View Settings]   Click this button to display the [View Settings] dialog box. This dialog box allows you to view and confirm all of the current page settings in a listed form (see p. 2-44).

Add Profile

Clicking (Add Profile) opens the [Add Profile] dialog box. This dialog box enables you to register a new profile with the current settings. You can add up to 50 new profiles.

[Name]   Specifies the name of the profile to be registered.

[Icon]   Selects an icon to represent the profile to be registered.

[Comment]   Adds comments on the profile to be registered.

[View Settings]   Click this button to display the [View Settings] dialog box. This dialog box allows you to view and confirm all of the current page settings in a listed form (see p. 2-44).
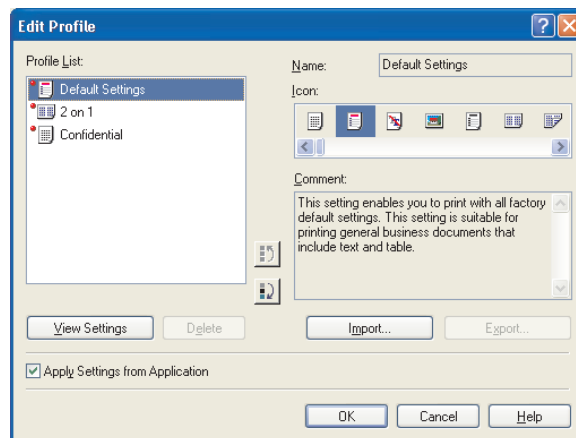
Edit Profile

Clicking (Edit Profile) opens the [Edit Profile] dialog box. This dialog box enables you to edit the profile selected in [Profile List].

[Profile List]   Displays the list of registered profiles.

[View Settings]   Click this button to display the [View Settings] dialog box. This dialog box allows you to view and confirm all of the current page settings in a listed form (see p. 2-44).

 (Move Up)   Moves the profile selected in the [Profile List] one position up.

 (Move Down)   Moves the profile selected in the [Profile List] one position down.

[Delete]   Removes the selected profile from [Profile List].

 NOTE

When one of the pre-defined profiles or the profiles you defined in [Profile] of the [Page Setup] tab is selected, you cannot delete it.

[Name]   Displays and allows you to change the name of the currently selected profile.

 NOTE

When one of the pre-defined profiles is selected, the name cannot be changed.

[Icon]   Displays and allows you to change the icon representing the currently selected profile.

 NOTE

When one of the pre-defined profiles is selected, the icon cannot be changed.

[Comment]   Displays and allows you to change the comment on the currently selected profile.

✎ **NOTE**

When one of the pre-defined profiles is selected, the comment cannot be changed.

[Import]   Enables you to import profile information from a file.

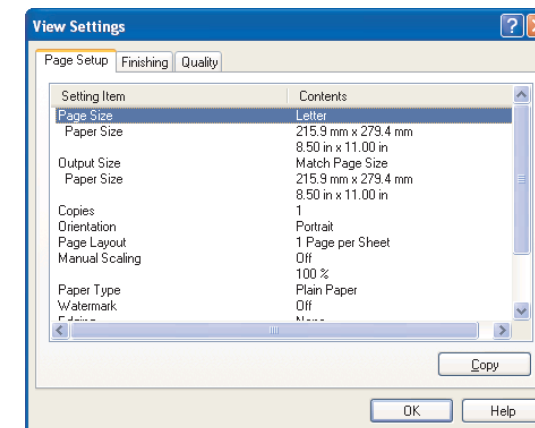[Export]   Enables you to export the selected profile information to a file.

✎ **NOTE**

When one of the pre-defined profiles is selected, this button is disabled.

[Apply Settings   Applies the selected profile only to the
from Application]   settings other than [Page Size], [Orientation] and [Copies].

View Settings

Clicking [View Settings] opens the [View Settings] dialog box. This dialog box displays the current settings in the [Page Setup], [Finishing], and [Quality] tab sheets.

[Copy]   Copies the contents of the current settings to the clipboard.

2-44

Using the Machine on Your Network

This section provides instructions for using the machine on your network as a shared printer.

By setting your machine as a shared printer on your network, the network users can share the machine for printing. The print server and clients do not need to use the same operating system, and it is possible to print from a Windows 98/Me client to a Windows 2000/XP print server, or vice versa.

You can start printing simply by starting the server, even if the server was not running when the client was started.

If the server is running on Windows 2000/XP, you can print even if no one is logged into the server.

■ Setting the Machine as a Shared Printer

If you plan to share your machine on a network, install the print server locally, then make the following settings. For more information, see your print server system documentation.

Windows 2000/XP Server Settings

The following is the procedure to make your machine available to your network users, under Windows 2000/XP.

Adding Server Service (Windows XP)

1. **Click [start] on the Windows task bar →
select [Control Panel].**

The [Control Panel] folder appears.

2. **Double-click [Network Connections].**

The [Network Connections] folder appears.

3. **Right-click the [Local Area Connection] icon
→ select [Properties] from the pop-up menu.**

The [Local Area Connection Properties] dialog box appears.
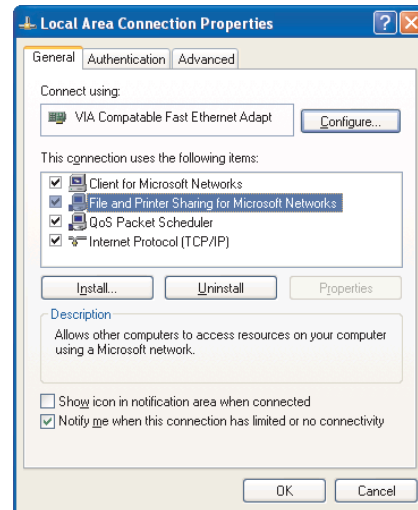
4. **Select [File and Printer Sharing for Microsoft Networks] → click [OK].**
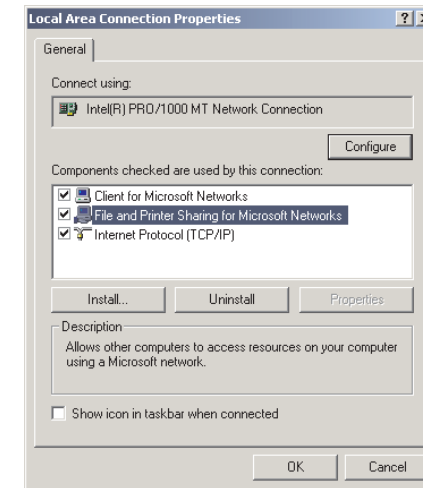
The server service is added.

Adding Server Service (Windows 2000)

1. **Click [Start] on the Windows task bar → select [Settings] → [Network and Dial-up Connections].**

The [Network and Dial-up Connections] folder appears.

2. **Right-click the [Local Area Connection] icon → select [Properties] from the pop-up menu.**

The [Local Area Connection Properties] dialog box appears.

3. **Select [File and Printer Sharing for Microsoft Networks] → click [OK].**

The server service is added.

Setting Printer Sharing

1. **Open the printer properties dialog box →
select [Share this printer] (Windows 2000:
[Shared as]) in the [Sharing] tab sheet.**
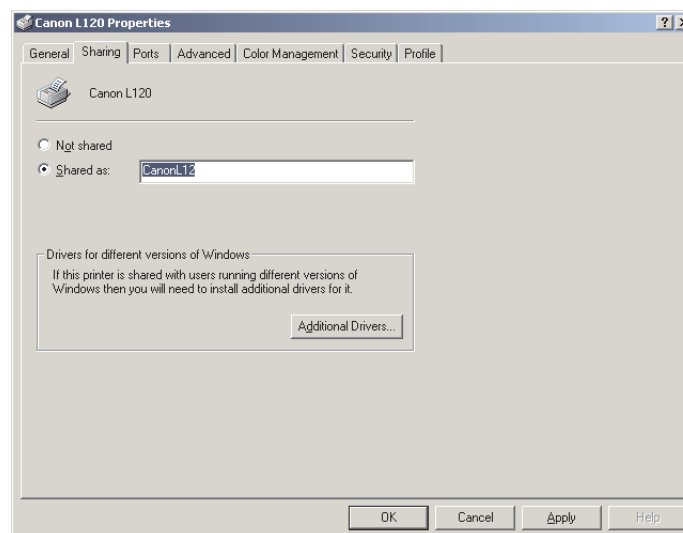
> 📝 **NOTE**
> On how to open the printer properties dialog box, see "Changing
> Print Settings," on p. 2-3.

2. **Enter a share name in the edit box as needed.**

> 📝 **NOTE**
> Do not enter a space or special character in the [Share name]
> edit box.

3. **Click [OK].**
The printer driver icon changes to indicate sharing.

Windows 98/Me Server Settings

The following is the procedure to make your machine available
to your network users, under Windows 98/Me.
The screen shots shown are from Windows 98.

Adding Server Service

1. **Click [Start] on the Windows task bar →
select [Settings] → [Control Panel].**
The [Control Panel] folder appears.

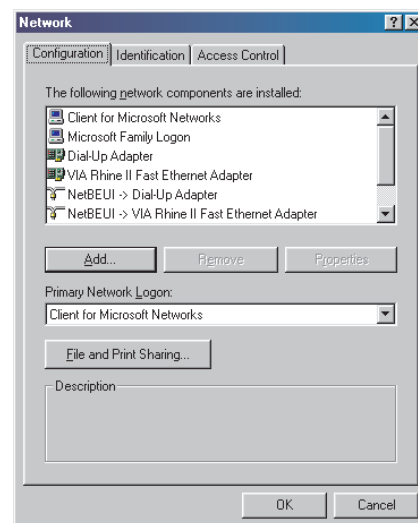**2.** **Double-click the [Network] icon.**
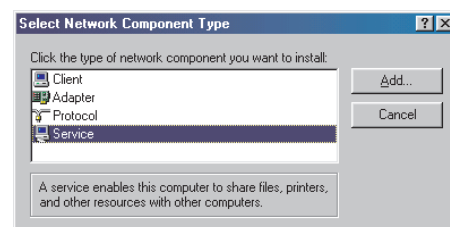The [Network] dialog box appears.

3. **Click [Add] in the [Configuration] tab sheet.**

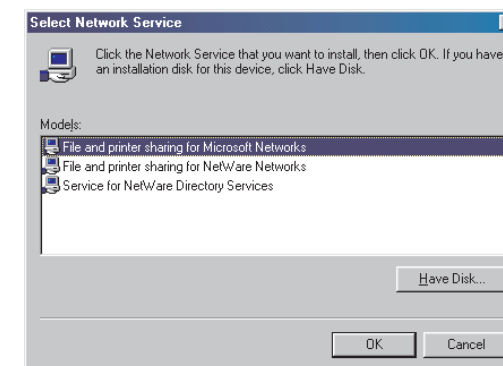The [Select Network Component Type] dialog box appears.

4. **Select [Service] → click [Add].**

The [Select Network Service] dialog box appears.

5. **Select [File and printer sharing for Microsoft Networks] → click [OK].**
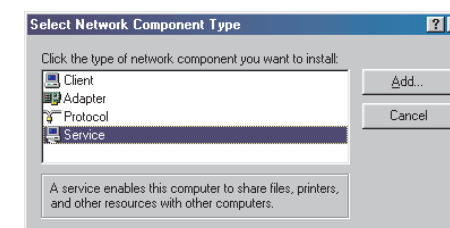

6. **Click [Cancel].**

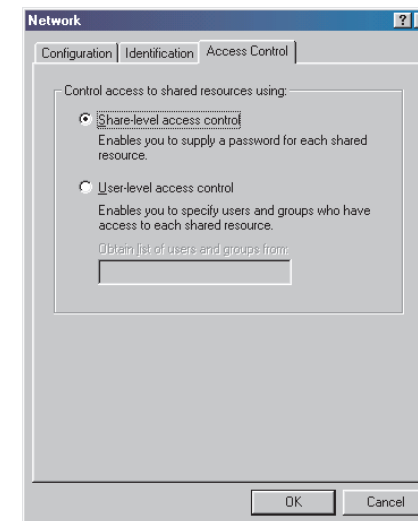**7.** **Click [File and Print Sharing].**
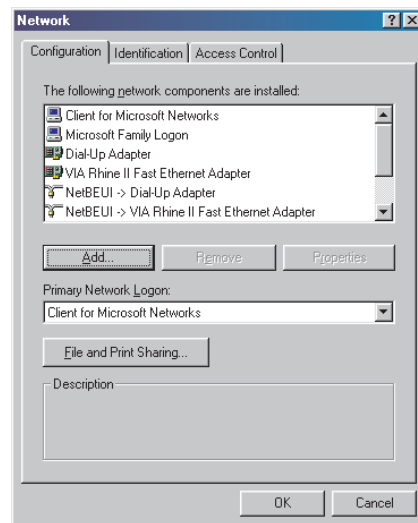
The [File and Print Sharing] dialog box appears.

8. **Make sure that [I want to be able to allow others to print to my printer(s).] is selected → click [OK].**

9. **Select the [Access Control] tab → [Share-level access control] or [User-level access control].**

10. **Click [OK].**

The server service is added.
If the confirmation message dialog box appears, click [Yes] to restart your computer.

■ Using the Shared Printer on Your Network

When the machine is already on your network and set as a shared printer, you can use it via network. The easiest way to make the machine available for your computer is using network download. If your operating system is Windows 2000/XP, you cannot download the driver from Windows 98/Me servers. In that case, use [Add Printer Wizard].

Network Download

The following is the procedure to connect to the shared printer on your network using network download.

📎 **NOTE**

Windows 2000/XP clients cannot download the driver from Windows 98/Me servers.

1. Open Windows Explorer → browse the network until you see the icon of the shared printer.

2. Double-click the machine icon, or drag the machine icon to your [Printers and Faxes] (Windows 98/Me/2000: [Printers]) folder.

The [Add Printer Wizard] dialog box appears.

3. Follow the instructions on the screen to complete the installation.

Add Printer Wizard (Windows 2000/XP)

The following is the procedure to connect to the shared printer on your network using Windows 2000/XP.

📎 **NOTE**

Installation in Windows 2000/XP needs to be done by a user with administrator privileges.

1. Open the [Printers and Faxes] (Windows 2000: [Printers]) folder.

Click [start] on the Windows task bar, then select [Printers and Faxes] (Windows 2000: [Start] → [Settings] → [Printers]).

2. Open the [Add Printer Wizard] dialog box.

Click [Add a printer] in [Printer Tasks] (Windows 2000: double-click the [Add Printer] icon).

3. Click [Next].

4. Select [A network printer, or a printer attached to another computer] (Windows 2000: [Network printer]), then click [Next].

The [Specify a Printer] (Windows 2000: [Locate Your Printer]) dialog box appears.

5. **Select [Connect to this printer (or to browse for a printer, select this option and click [Next])] (Windows 2000: [Type the printer name, or click [Next] to browse for a printer]) → enter the name of the printer you want to connect to → click [Next].**

If you do not know the name of the printer, click [Next] without entering the name to proceed to the [Browse for Printer] dialog box. In this dialog box, select the printer → click [Next].

✎ **NOTE**

– If the printer name is invalid, it means the client cannot to connect the shared printer.
– If a suitable driver is not found, it probably means the server is a Windows 98/Me computer.

6. **Follow the instructions on the screen to complete the installation.**

Add Printer Wizard (Windows 98/Me)

The following is the procedure to connect to the shared printer on your network using Windows 98/Me [Add Printer Wizard]. The screen shots shown are from Windows 98.

1. **Click [Start] on the Windows task bar → select [Settings] → [Printers].**

The [Printers] folder appears.

2. **Double-click the [Add Printer] icon.**

The [Add Printer Wizard] dialog box appears.

3. **Click [Next].**

4. **Select [Network printer] → click [Next].**

5. **Enter the network path or print queue that you want to connect to, or select the location of the shared printer.**

To enter the location directly:
Enter the path name or print queue in the edit box.
To select the location:
Click [Browse].
Select the location of the printer → click [OK].
Depending on your network environment, the installation of the driver may be carried out automatically. In this case you need not perform steps 7 through 10.

6. **Click [Next].**

3 Troubleshooting

Printer Problems

Printer does not print.

Q **Is there some paper in the machine?**

A Make sure paper is loaded.

Q **Does the copy job stop due to out of paper?**

A Load paper. The print job will start automatically when the copy job is completed.

Q **Is the cartridge installed correctly?**

A Make sure the cartridge is installed correctly. (See "Install Cartridge" in the Starter Guide.)

Q **Does your BIOS port setting need to be modified?**

A See your computer's documentation concerning available ports.

Q **Is your computer working properly?**

A Make sure your computer is turned on. If so, see your computer's documentation for troubleshooting.

No power is supplied.

Q **Is the power cord plugged in?**

A Make sure the power cord is securely plugged into both the machine and the AC outlet.

Q **Is the AC outlet supplying power?**

A Make sure the AC outlet is supplying power; try another outlet if necessary.

Q **Does the AC voltage match the printer?**

A Make sure the voltage of the AC outlet matches the ratings on the machine.

Printer stops printing.

Q   **Is the interface cable loose?**

A   Check your computer and cable.

Q   **Are you working on an application in the foreground?**

A   Printer performance improves if you give priority to your print job.

Printout is wrong.

Q   **Is there a communication problem between the printer and your computer?**

A   Make sure your cable connections are secure.

A   Make sure your USB cable is less than 9.8 ft (3 m) long.

A   Make sure you are not using a USB hub.

A   Make sure you have selected the correct printer driver in Windows.

Q   **Is a wrong printer driver selected in the [Printers and Faxes] (Windows 98/Me/2000: [Printers]) folder?**

A   Make sure the corresponding printer driver is selected in the [Printers and Faxes] (Windows 98/ Me/2000: [Printers]) folder.

Printer locks up system.

Q   **Does your system setup have a problem?**

A   Make sure that you have a high-quality shielded interface cable.

A   The problem might be in your BIOS. Verify that your BIOS setup is correct. (See your computer's documentation for details.)

A   Verify that your physical memory is working correctly.

A   If you have a Toshiba laptop, change the following line in your CONFIG.SYS. file:
c:\winutils\mxtime.exe
to:
REM c:\winutils\mxtime.exe

Computer indicates a device time-out.

Q	**Is the machine off, offline, or not connected to the computer?**
A	Make sure the machine's interface cable is securely connected to both the machine and the computer.
A	Make sure paper is properly loaded in the machine.
A	Reset the machine and the computer.
A	Try the print operation again.
A	Try a different cable.

Driver Problems

Driver is not working properly.

| Q | Is the printer driver selected as the default printer driver? |

| A | Specify the corresponding printer driver as the default printer driver for the L120. |

Cannot print some fonts in a document correctly.

| Q | Does the document contain Adobe Type Manager (ATM) fonts? |

| A | ATM is not supported. Replace ATM fonts to other appropriate fonts. |

Cannot print with a printer driver other than the L120 printer.

| Q | Is the printer driver connected to the same port as the L120 printer driver? |

| A | Connect the printer driver to a port different from the L120 printer driver. |

Cannot install the L120 printer driver using the USB port.

| Q | Is the USB driver installed properly? |

| A | Perform the following steps.
1. Make sure the machine is connected to your computer using a USB cable and the machine is turned on.
2. For Windows XP, click [Performance and Maintenance] in the [Control Panel] folder → [See basic information about your computer] in the [Performance and Maintenance] folder. For Windows 98/Me/2000, double-click [System] in the [Control Panel] folder. The [System Properties] dialog box appears.
3. For Windows 2000/XP, select the [Hardware] tab → click [Device Manager] → double-click [Universal Serial Bus controllers]. For Windows 98/Me, select the [Device Manager] tab → double-click [Universal Serial Bus controllers]. |

4. Locate the USB class driver under [Universal
   Serial Bus controllers]. Delete ONLY the USB
   class driver specified for your operating system.
   (If the USB class driver is displayed under [Other
   device], delete ONLY one of the following,
   depending on your operating system: [USB
   Printing Support], [Canon L120], or [Unknown].)
   For Windows 2000/XP, select [USB Printing
   Support] → select [Uninstall] from the [Action]
   menu. For Windows 98/Me, select [Canon L120]
   → click [Remove].
5. Close the [Control Panel] folder → unplug the
   USB cable.
6. Restart your computer.
7. For instructions on installing the printer driver,
   see "Install the Printer Driver," in the Starter
   Guide.

Strings of garbled characters are printed.

Q	**Is the driver installed properly?**

A	Check if the corresponding printer driver icon is displayed in the [Printers and Faxes] (Windows 98/Me/2000: [Printers]) folder. If not, install the driver. If the corresponding printer driver icon is displayed, right-click the corresponding printer driver icon → check if [Set as Default Printer] (Windows 98/Me: [Set as Default]) is selected in the pop-up menu. For more information, see "Checking Installation," on p. 1-4.

Installing and Uninstalling Problems

Cannot install the software.

Q	**Have you followed the instructions to install the software?**
A	Try reinstalling the software. If an error occurred and installation was not complete, restart your computer and try reinstalling the software.

Q	**Are any other applications open?**
A	Quit all of these and try reinstalling the software.

Removal of the drivers takes too long (Windows XP).

Q	**Is any application such as an anti-virus open when removing the software?**
A	Quit any applications (including anti-virus) before removing the software.

The message <Version conflict> appears on your computer (Windows 98).

Q	**Is Photoshop installed on your computer?**
A	If the message <Version conflict> or <Windows 98 file language or> appears during installation, click [Yes] or [No]. Whichever you click, installation thereafter will continue trouble-free.

Cannot use the software after upgrading to Windows XP.

Q	**Have you upgraded Windows 98/Me/2000 to Windows XP without removing the software?**
A	Remove the software (see "Uninstalling the Printer Driver," on p. 1-5), then reinstall it. (See "Install the Printer Driver," in the Starter Guide.)

In [Device Manager], green mark "?" is displayed (Windows Me).

Q	**Is green mark "?" displayed on [USB Composite Device] in [USB (Universal Serial Bus) Controller] in [Device Manager] in Windows Me?**
A	As this is not a problem, you can continue to use it as is.

4 Appendix

Printer Specifications

■ **Hardware**

Host Interface   USB 1.1 interface

■ **Software**

Printing Software CARPS version 2.20

Paper Sizes   A3, B4, A4, B5, A5, Letter, Legal, Executive, 11 x 17, Envelope COM10, Envelope C5, Envelope DL, Envelope Monarch

Valid Printing Area
Max. 13/64" (5 mm) margin at top edge
Max. 15/64" (6 mm) margin at bottom edge
Max. 5/32" (4 mm) margin at side edge

For Envelope Monarch, Envelope COM10, Envelope DL, and Envelope C5:
Max. 25/64" (10 mm) margin at each edge

🖉 **NOTE**

Specifications are subject to change without notice.

Glossary

A

AC

Alternating Current. The type of electrical current typically available from household wall outlets.

Application

Abbreviation of the phrase "application software." Software designed for a specific purpose such as word processing software, spreadsheet software, database software, or a combination of these.

B

Bold

A characteristic of a printed character with wider, and darker representation. Also referred to as emphasized or double-strike printing.

Brightness

The relative proportion of light and dark areas. Decreasing brightness darkens the overall image; increasing brightness lightens it.

C

Client

A computer that is connected to the printer over a network. A client does not control the printer directly. It interacts with the printer through a server. See also Server.

Collate

To print multiple copies of a multi-page document in sequential page order.

Command

An instruction that tells the machine to perform a certain function. Commands are sent from the computer to the machine via the interface cable when the machine is ready.

Contrast

The degree of difference between the lightest and darkest areas of an image. Decreasing contrast lightens the dark areas and darkens the light areas; increasing it darkens the dark areas and lightens the light areas.

Control Panel

The set of Windows programs you can use to change system, hardware, software, and Windows settings.

D

Default setting

A setting that is automatically used if no other setting is specified.

Desktop

The entire Windows screen that represents your work area in Windows. Icons, windows, and the taskbar are displayed on the Windows desktop.

dpi

Dots per inch. A unit of measurement for indicating a machine's resolution.

Driver

A program that controls how the computer and an external device interact. For example, the printer driver supplies Windows with information such as descriptions of the fonts and features of the installed printer.

F

Fixing assembly

The device used during the print process to fix the toner onto the paper (or other media) through applying heat and pressure. The assembly, located inside the machine, gets extremely hot (374°F (190°C)) during operation.

Folder

A container in which documents, program files, and other folders are stored on your disks. Formerly referred to as a directory.

Font

A complete set of characters of the same size and style. For example, 12-point Courier bold.

Form

A custom paper size, with width and height defined by the user.

G

Gamma Correction

Method for changing the brightness of an image. With gamma correction, the brightness of parts of an image in the middle of the tonal on range is changed without changing the lightest or darkest areas of the image, which means you can change the brightness of an image while maintaining contrast.

Grayscale image

A bitmap image that stores data for each dot as a shade of gray, rather than as black or white.

H

Halftones

The process of converting a grayscale image to black dots and white (unprinted) dots that simulate the gray shades in the original image.

I

Import

To bring in information created in another application.

Install

To copy software to a designated location on a computer's hard disk so that it can be used at any time.

Interface

The connection between two devices through which they communicate with each other. The machine features a USB interface, which makes it compatible with IBM and similar personal computers.

Interface port

The machine comes with one USB port, located on the back of the machine. You attach the cable that connects your computer and machine to this port.

Italic

A font style distinguished by slanted characters (the upright strokes of the characters are at an angle to the vertical axis).

J

Jam

A situation created when paper becomes caught along the paper path. You must remove jammed paper before you can continue printing.

K

Kilobyte (KB)

A unit of measurement, representing the binary number 1024, used to describe machine or computer memory size in thousand-byte units.

L

Landscape

A horizontal print orientation. Text and graphics are printed across the longer axis of the page.

Local printer

A printer that is directly connected to your computer.

M

Megabyte (MB)

A unit of measurement, representing one million bytes, used to describe machine or computer memory size.

My Computer

The Windows program that you can use to browse through your computer's filing system, and to open drives, folders, and files. You can also use [My Computer] to manage your files and your filing system, by moving, copying, renaming, and deleting items.

N

Network

A group of computers connected by cables or other means and using software that enables them to share equipment (such as printers) and exchange information.

O

Orientation

The printing of text either along the width (portrait) or length (landscape) of the page.

P

Paper feed

The act of guiding a sheet of paper into the machine's paper path.

Paper jam

A situation created when paper becomes caught along the paper path. You must remove jammed paper before you can continue printing.

Paper path

The route that paper travels through the machine.

Paper type

All kinds of paper (plain paper, heavy paper, transparencies, and envelopes) are grouped under several paper types.

PDF

Stands for Portable Document Format. A widely used format for transmitting and viewing documents on computers. PDF documents can be read or printed out with Adobe's Acrobat Reader program.

Physical RAM

Random Access Memory (RAM) that is physically present in the computer in the form of memory chips, as opposed to virtual memory. See also Virtual Memory.

Point size

Character height is defined in points: one point is 1/72 of an inch.

Portrait

A vertical print orientation. Text and graphics are printed across the shorter axis of the page.

Preview

Provisional scanning and display of the document you are about to scan before you actually scan it. If the preview scan looks different from what you want, you can change the settings, display the preview again and confirm before scanning.

Print job

A document that a Windows application has processed and sent to the Spooler to be added to the print queue or directly to the machine.

Print queue

A list of files that are either waiting to be printed or are currently printing. Once a file has been printed, it is removed from the print queue.

Printer driver

A program that controls how the computer and printer interact. The printer driver supplies Windows with information such as descriptions of fonts and features of the installed printer.

Printers and Faxes folder (Printers folder)

The container in which your printer and fax information is stored.

Properties dialog box

The dialog box that contains information about a particular device, such as a printer.

Proportional spacing

The spacing of characters according to the width of each character. This variable spacing between each character closes up awkward space and makes text easier to read.

Q

Queue

A list of files that are either waiting to be printed or are currently printing. Once a file has been printed, it is removed from the print queue.

R

Random Access Memory (RAM)

The working memory of the computer in which programs and data are temporarily stored while you use them. Resetting or shutting off the computer clears all information from RAM. Printing very complicated documents might require closing other running programs or adding more RAM to the computer. See also Physical RAM, Virtual memory.

Reinstall

To remove installed software and install again.

Resolution

The density of dots for any given output device, expressed in terms of dots per inch (dpi). Low resolution causes font characters and graphics to have a jagged appearance, but prints faster than higher resolutions. Higher resolution provides smoother curves and angles as well as a better match to traditional typeface designs, but prints more slowly. Resolution values are represented by horizontal data and vertical data, for example, 600 x 600 dpi.

S

Scalable fonts

Scalable fonts allow characters to be printed in various sizes and rotation angles. This is different from bitmap fonts, which are printed in fixed sizes and angles.

Scaling

Enlarging or reducing the printed image.

Separator page

Optional pages printed at the beginning of each document to help separate one print job from another.

Server

A network computer that is directly attached to the printer. The server controls the printer and handles print jobs sent from the clients. See also Client.

Shielded

A type of cable that contains a metallic sheath over the conductor material to protect the data passing through the cable from electromagnetic interference. You need to use a double-shielded interface cable with this machine.

Spooling

A process by which an application sends a document to the spooler, rather than directly to the printer, thus freeing the computer and application for other tasks. Spooled documents are printed in the order they are received.

T

Title bar

The horizontal bar that contains the title of a window or dialog box. On many windows, the title bar contains the [Control] menu box and Maximize and Minimize buttons.

Toner

A black, resin-coated powder contained in the toner cartridge. The machine applies the toner to the surface of the photosensitive drum inside the machine via an electrophotographic mechanism.

Toner saver

Because the black areas of print data are thinned, toner consumption is reduced.

Transfer roller

Presses the paper against the drum, to aid the transfer of toner to the paper.

TrueType fonts

Scalable fonts used for both screen display and printing. TrueType fonts can be sized to any height, and print exactly as they appear on the screen, but with higher resolution.

U

Uninstall

To remove software installed on a computer and return the computer to its condition before the software was installed.

Universal Serial Bus (USB) interface

These are new serial interface standards. This bus automatically recognizes connections (Plug and Play) to allow plugging and unplugging connectors with the power still turned on to the PC or peripheral equipment.

V

Virtual Memory

Space on the hard disk that Windows uses for temporary data storage as if it were actually random access memory (RAM). Windows does this by means of a swap file. This provides Windows with more usable memory, but reduces speed of access to it when the swap file must be used. See also Physical RAM.

W

Weight

Refers to the thickness of a font: light, medium, or bold. Also refers to the thickness of paper.

Windows Explorer

The Windows program you can use to browse through, open, and manage the disk drives, folders, and files on your computer in a network system. You can also use Windows Explorer to view and open shared folders on other computers on the network. You can use Windows Explorer to manage your files by moving, copying, renaming, and deleting files.

Introduction **1**

Printing **2**

Troubleshooting **3**

Appendix **4**

Index

Table of Contents

Index

Table of Contents

Index

Canon

CANON INC.
30-2, Shimomaruko 3-chome, Ohta-ku, Tokyo 146-8501, Japan

CANON U.S.A., INC.
One Canon Plaza, Lake Success, NY 11042, U.S.A.

CANON CANADA INC.
6390 Dixie Road Mississauga, Ontario L5T 1P7, Canada

CANON EUROPA N.V.
Bovenkerkerweg 59-61 1185 XB Amstelveen, The Netherlands

CANON FRANCE S.A.S.
17, quai du Président Paul Doumer 92414 Courbevoie Cedex, France

CANON (U.K.) LTD.
Woodhatch, Reigate, Surrey, RH2 8BF, United Kingdom

CANON DEUTSCHLAND GmbH
Europark Fichtenhain A10, 47807 Krefeld, Germany

CANON ITALIA S.p.A.
Via Milano, 8 20097 San Donato Milanese (MI) Italy

CANON LATIN AMERICA, INC.
703 Waterford Way Suite 400, Miami, Florida 33126 U.S.A.

CANON AUSTRALIA PTY. LTD
1 Thomas Holt Drive, North Ryde, Sydney, N.S.W. 2113, Australia

CANON CHINA CO.,LTD
15F, North Tower, Beijing Kerry Centre, 1 Guang Hua Road, Chao Yang District, 100020, Beijing, China

CANON SINGAPORE PTE. LTD.
1 HarbourFront Avenue #04-01 Keppel Bay Tower, Singapore 098632

CANON HONGKONG CO., LTD
19/F., The Metropolis Tower, 10 Metropolis Drive, Hunghom, Kowloon, Hong Kong

FA7-7807   (000)   **120V**