



Reference Guide

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Contents

- 1 Operation on Windows Software 1**
 - System Requirements for the Printer Driver 2**
 - Installing the Printer Driver 3**
 - Windows 2000 3
 - Specifying Page Setup Settings 5**
 - Margins..... 6
 - Paper Size..... 7
 - Paper Source 8
 - Layout..... 9
 - Specifying Print Settings 10**
 - Advanced 12
 - Basic..... 13
 - Layout..... 14
 - Cover Page 15
 - Overlay 16
 - Watermark..... 17
 - Quality 18
 - Version 19
 - Troubleshooting 20**
 - Download Manager 22**

2	Operation on Mac OS X	23
	System Requirements for the Printer Driver	24
	Installing the Printer Driver	25
	Mac OS X 10.4	25
	Printer Setup Utility Settings	28
	Using a USB Connection	28
	Macintosh OS X 10.2.x and 10.3.x	30
	Using a Network Connection	31
	Using AppleTalk	31
	Using IP Printing	33
	Selecting Print Options	36
	Specifying Page Setup Settings	38
	Page Attributes Options	40
	Custom Paper Size Options	41
	Specifying Print Settings	42
	Print Dialog Contents	43
	Print Dialog Panes	44
	Copies and Pages	46
	Layout	47
	Scheduler	48
	Paper Handling	49
	ColorSync	50
	Cover Page	51
	Error Handling	52
	Paper Feed	53
	Quality Adjustment Settings	54
	Custom Quick Color Details, Image	55
	Custom Quick Color Details, Graphics	56
	Custom Quick Color Details, Text	57
	Custom Quick Color Details, Simulation	58
	Supply Levels	59
	Summary	60
	Troubleshooting	61
	Download Manager	63
3	Operation on Mac OS 9.X	65
	System Requirements for the Printer Driver	66
	Installing the Printer Driver	67
	Mac OS 9.2	67
	Selecting the Printer in the Chooser	69
	Specifying Page Setup Settings	71
	Page Attributes Options	71
	Specifying a Custom Paper Size	72
	Specifying Print Settings	74
	Print Dialog Box Options	74
	Common Buttons	76

General Options	77
Background Printing	78
Color Matching	79
Font Settings	80
Job Logging	81
Cover Page	82
Paper Handling	83
Save as File	84
Layout	85
Watermark	86
Job Types	87
Quality Adjustment Settings	89
Image	90
Graphic	91
Text	92
Simulation	93
Checking Print Jobs	94
Troubleshooting	95
 4 Operation on Linux	 97
System Requirements for the Printer Driver	98
Installing PPD File From the Command Line	99
Adding the Printer	100
Specifying Printer Driver Settings	105
Displaying the Settings Page	105
Printer Driver Settings	107
Basic Features	107
Details	108
Installed Options	109
Printing a Document	110
Example Using LPR Command.....	110
Checking Print Jobs	111
Troubleshooting	112
 5 Printer Management Software	 113
CentreWare Internet Services	114
Display Language.....	114
Requirements	114
Setting Up the Printer Web Page	115
Determining the Printer Name	115
Setting Up Your Browser Software.....	115
Internet Explorer (version 6.0 for Windows)	116
Netscape Navigator (version 7.1)	117
Safari (version 1.1)	117
Understanding the CentreWare IS Window	118
Navigation	118

Current Status.....	119
User Mode - Security Enabled.....	119
Administrator Mode - Security Enabled	119
Configuring the Printer	120
System Page	120
About Printer (shown above)	120
Operator Control	122
Paper Handling	122
Supplies Status	123
Color Matching & Quality	128
Administration	130
Startup Options & Resets	130
Languages	132
E-Mail Server Settings	134
Security	136
Date & Time	138
Online Help	139
Configuration Summary	141
Disk Operations	142
Job Page.....	144
Job Listing (shown above)	144
Usage Summary	145
File Download	146
Saved Jobs	147
USB Setup	148
Local Interface	148
Capture Print Job	149
Print Information Pages	150
Default Setting	152
Download Font/Form	158
Network Page	161
Ethernet	161
SSL/TLS Information	171
Request a Certificate	175
Certificate Signing Request Data	177
Install a Certificate	178
Encryption Strength	179
Remove Certificate	180
SSL/TLS Mode	181
Accounting Page.....	182
Printer-Based Job Accounting (shown above)	182
Printer-Based Error Accounting	184
Installing Printer Management Software on Windows	186

6 Understanding the Network Setup Menus 189
 Accessing the Network Setup 190
 Using the Network Setup Menu Options 191
 TCP/IP 191
 IPX/SPX 193
 EtherTalk 193
 Ethernet Speed 194
 Replacing the Battery Backup 195
Index 199

Operation on Windows Software

1

System Requirements for the Printer Driver

Before installing the printer driver, make sure that your system meets the following system requirements:

Computer	Pentium 2: 400 MHz (Pentium 3: 500 MHz or higher is recommended.)
Connecting the computer and printer	USB connection, network connection (10Base-T/100Base-TX)
Operating system	Microsoft Windows XP Home Edition/ Professional (Service Pack 1 or later), Windows Server 2003, Windows 2000 (Service Pack 4 or later), Windows 98SE
RAM	More than OS recommendation (128 MB or more is recommended.)
Available disk space	256 MB or more (for storing images)

Installing the Printer Driver



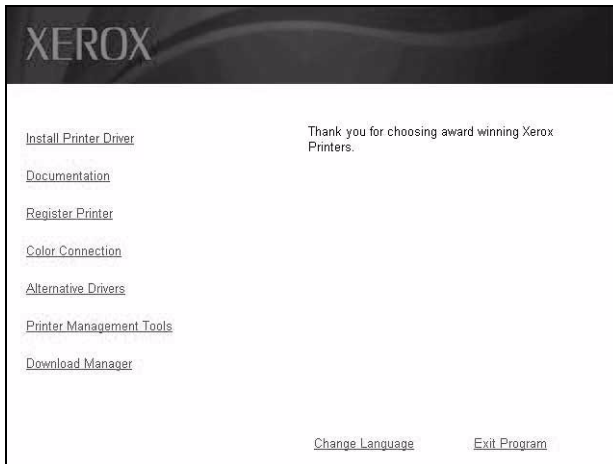
Before proceeding with the installation, be sure to exit all running applications.

Windows 2000

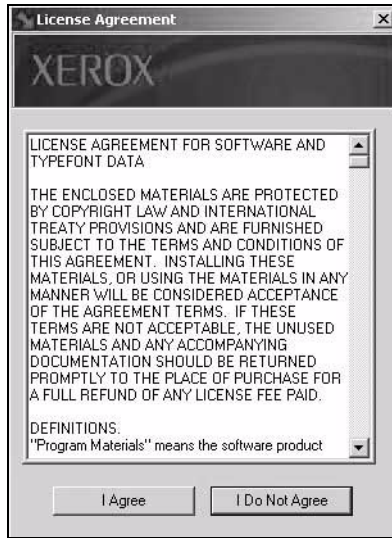


The procedure for installing the printer driver on Windows 2000 is described below. The following procedure or some steps may be different depending on the version of the operating system being used. Complete the installation according to the instructions on the dialog boxes that appear.

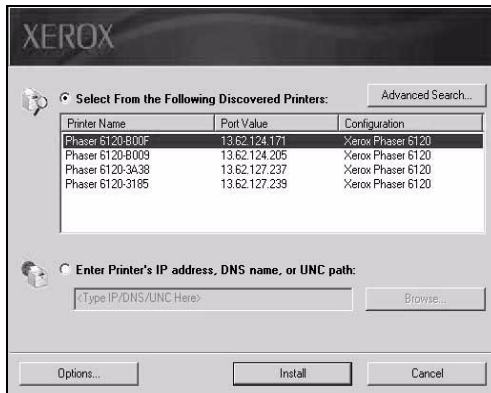
- 1 Insert the Phaser 6120 Software and Documentation CD-ROM in the CD/DVD drive of your computer.
- 2 Select your desired language from the list.
- 3 Select **Install Printer Driver**.



- 4 Check the details of the License Agreement, and click **I Agree** if you agree to the terms of the license.



- 5 Select your printer from the list or enter the IP address.

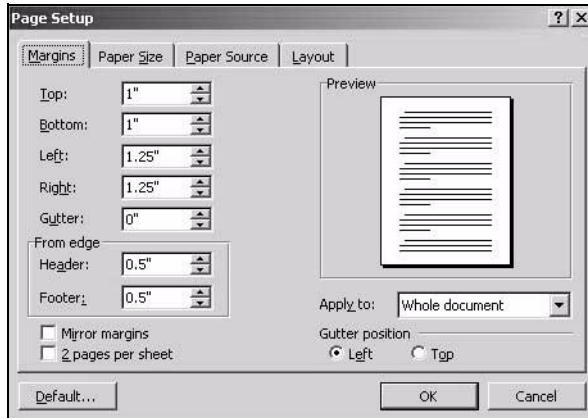


- 6 Click the **Install** button.

Specifying Page Setup Settings

The following dialog box appears when **Page Setup...** is selected from the **File** menu in the application being used. This example shows Microsoft Word.

- 1 Select **Page Setup...** from the **File** menu.
The **Page Setup** dialog box appears.

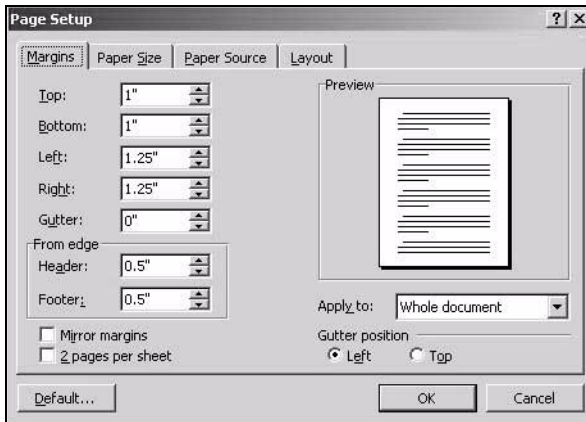


You can select the following tabs.

Tab	Description
Margins	This is used to specify the settings for the paper margins.
Paper Size	This is used to specify the paper size for the document.
Paper Source	This is used to check the print tray settings.
Layout	This is used to specify the page layout when printing.

Margins

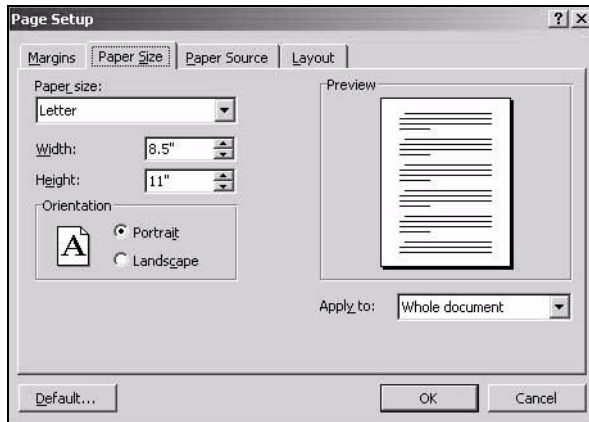
The **Margins** tab is used to specify the settings for the paper margins.



- **Printer Margins**
Enter the dimensions for the top, left, right, and bottom margins.
- **Gutter**
Enter the amount of extra space you want to add to the margin for binding.
- **From edge**
Enter the distance you want between the edge of the page and the top of the header or bottom of the footer.

Paper Size

The **Paper Size** tab is used to specify the paper size for the document.



- **Paper Size**

Select a predefined paper size or enter the dimensions of the paper height and width for the custom paper size.

Height: 148 - 356 mm (5.9 - 14.0 in.)

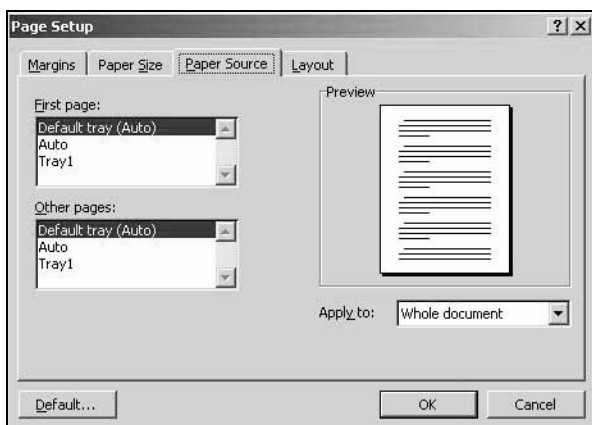
Width: 92 - 216 mm (3.6 - 8.5 in.)

- **Orientation**

Select either a vertical or horizontal page orientation for printouts.

Paper Source

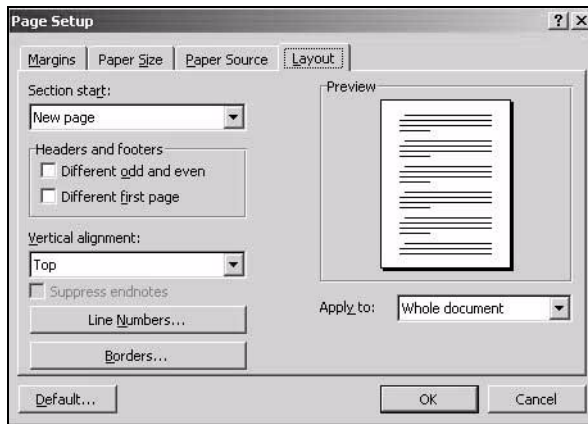
The **Paper Source** tab is used to specify tray selection.



- **First page**
Select the tray you want for the first page.
- **Other pages**
Select the tray you want for the rest of the pages.

Layout

The **Layout** tab is used for specifying the page layout when printing.

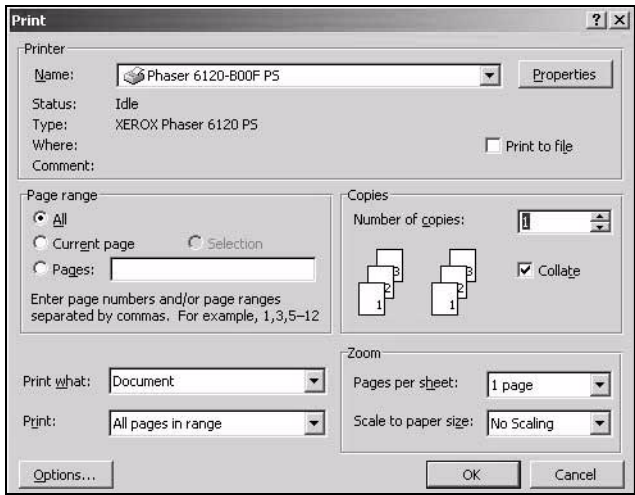


- **Section start**
Determines where you want the current section to start.
- **Headers and Footers**
Select the **Different odd and even** check box to create one header or footer for even-numbered pages and a different header or footer for odd-numbered pages. Select the **Different first page** check box to create a different header or footer for the first page of a section or document.
- **Vertical alignment**
Select the way you want to align text vertically between the top and bottom margins. The justified setting affects only full pages.

Specifying Print Settings

The following dialog box appears when **Print...** is selected from the **File** menu in the application being used.

- 1 Select **Print...** from the **File** menu.
The **Print** dialog box appears.
- 2 Select the Phaser 6120 in the **Name** pop-up menu.
The **Properties** button is used to specify the following print options.

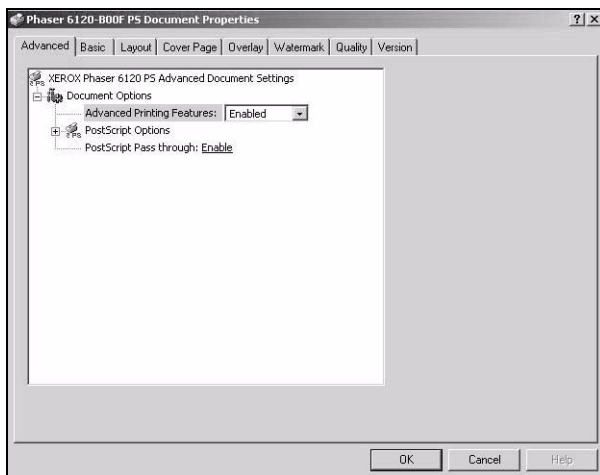


Tab	Description
Advanced	This tab is used to specify the PostScript output method and whether or not error messages of a print job are printed.
Basic	This tab contains options to adjust the basic media settings.
Layout	This tab contains options for specifying the page layout when printing.
Cover Page	This tab contains options for specifying cover page settings.
Overlay	This tab contains options to adjust settings that affect the overlay print function.
Watermark	This tab contains options for adding a watermark to the background of the page.

Tab	Description
Quality	This tab contains options for print quality settings.
Version	This is used to view information about the printer driver.

Advanced

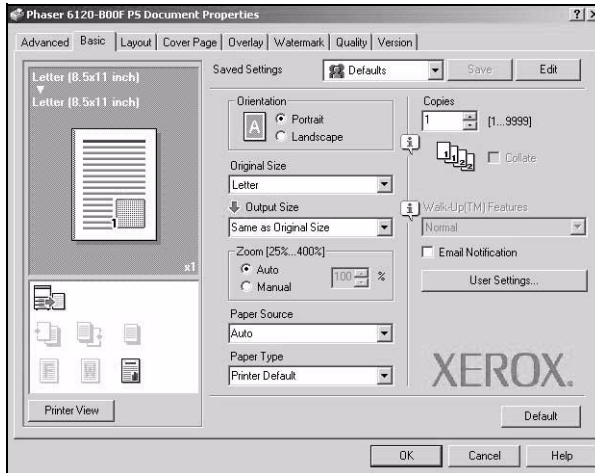
The **Advanced** tab is used to specify the PostScript output method and whether or not error messages of a print job are printed.



- **Document Options**
Lists available printing options such as Advanced Printing Features (which makes options like Page Order and Page Per Sheet) or Booklet Printing (prints two pages side by side on one sheet).
- **PostScript Options**
Lists the available PostScript options such as Mirrored Output, which allows you to print a mirror image of your document.

Basic

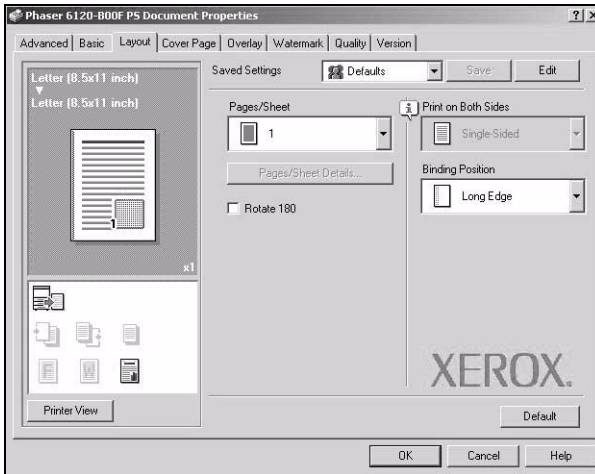
The **Basic** tab is used to specify the orientation, size, paper source, and number of copies of a print job.



- **Orientation**
Select either a vertical or horizontal paper orientation for printouts.
- **Original Size**
Specifies the paper size from the application.
- **Output Size**
Specifies the paper size for printer output.
- **Paper Source**
Select the print tray settings.
- **Paper Type**
Allows you to select the type of paper on which the print image will be printed.
- **Copies**
This specifies the number of copies to be printed. If the **Collate** check box is selected, all pages in the documents are printed as sets of printouts. For example, if 5 is entered for **Copies** and **Collate** is selected, the document is printed five times from the first page to the last page.

Layout

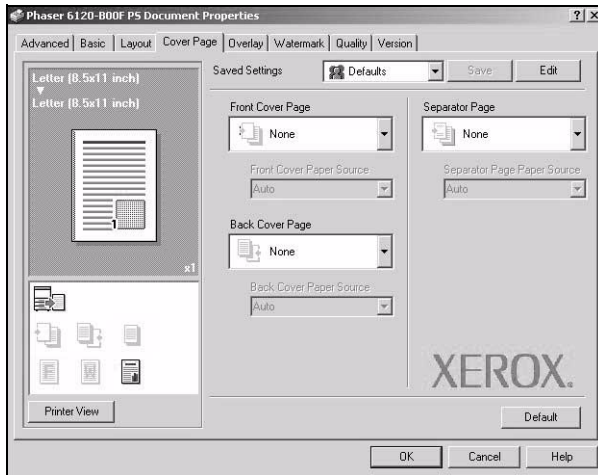
The **Layout** tab contains options for specifying the page layout when printing.



- **Saved Settings**
Enables you to create and edit customized driver settings. You can then adjust the printer settings by selecting the desired name from the Saved Settings list.
- **Pages/Sheet**
Specifies the number of pages to be printed on one sheet of paper. For example, if **2** is selected, two pages are printed on one sheet of paper.
- **Print on Both Sides**
The option to print on both sides of a sheet are only available when the duplex option is installed.
- **Binding Position**
Long Edge: Two-sided printing is performed with the binding along the long edge of the paper.
Short Edge: Two-sided printing is performed with the binding along the short edge of the paper.

Cover Page

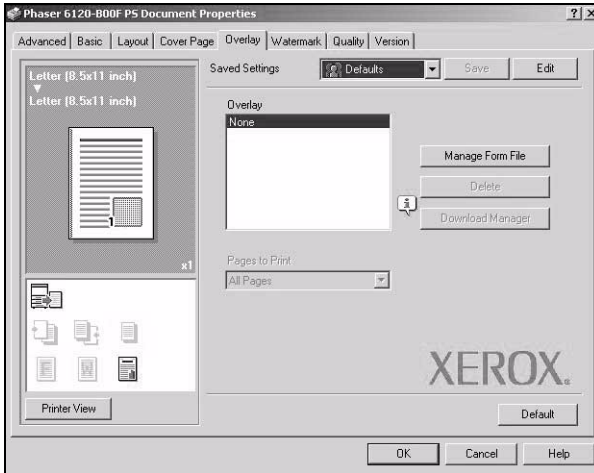
The **Cover Page** tab contains options for specifying cover page settings.



- **Front Cover Page**
Allows you to select a blank cover page at the front of the document.
- **Back Cover Page**
Allows you to select a blank cover page at the back of the document.
- **Separator Page**
Allows you to select whether to print a separator page between print jobs.

Overlay

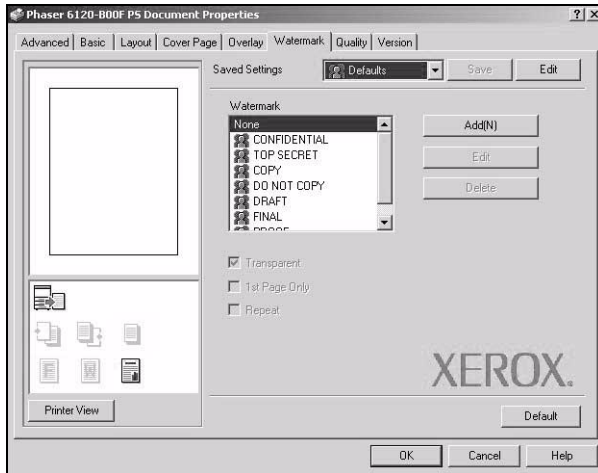
The **Overlay** tab contains options to adjust settings that affect the overlay print function.



- **Saved Settings**
Enables you to create and edit customized driver settings. You can then adjust the printer settings by selecting the desired name from the Saved Settings list.
- **Overlay**
Specifies the overlay file for overlay printing. When a print job is executed, the printer outputs the document with the designated overlay printed on it.
- **Pages to Print**
Specifies the pages on which to print the overlay.
- **Manage Form File**
Opens the Overlay File Management dialog box. You can add overlay files saved on the printer to the overlay list in the driver.
- **Delete**
Deletes unnecessary overlay files. Simply deleting a file from the list does not actually delete the file from your computer's hard drive.
- **Download Manager**
Starts the Download Manager so you can download overlay files to the printer.

Watermark

The **Watermark** tab contains options for adding a watermark to the background of the page.



■ Watermark

Allows you to add a watermark to the page. Select a pre-defined text or click **Add** to create a new watermark. Use **Edit** to adjust the position and text style of the watermark.

Quality

The **Quality** tab contains options for print quality settings.



- **Saved Settings**
Enables you to create and edit customized driver settings. You can then adjust the printer settings by selecting the desired name from the Saved Settings list.
- **Select Color**
Allows you to select color or grayscale.
- **Resolution**
Allows you to select the resolution to be used when printing a document.
- **Adjust Color**
Allows you to select the printer color settings.

Version

This tab is used to view information about the printer driver.



Troubleshooting

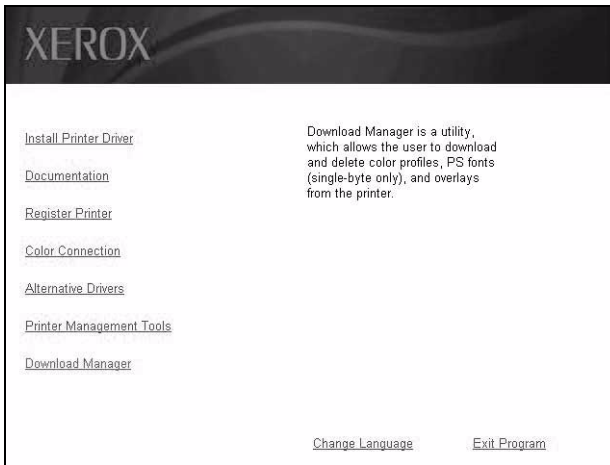
Symptom	Solution
The setting in the saved presets is not applied.	Depending on the functions selected for the printer, some preset settings are not saved.
Media type error appears.	If a media type, such as "Transparency," is specified for Tray 1 or Tray 2, a media type error appears and the printer stops. Be sure to specify a media type supported by Tray 1 and Tray 2.
The printer stops responding.	Depending on the operating system, some paper size and paper type combinations are not permitted. If the job was sent with an incorrect combination of settings, the printer stops responding. Be sure to print with the correct combination of paper size and paper type settings.
Checking the version number of the printer driver.	Click the following files, and then select Get Info from the File menu. <ul style="list-style-type: none"> ■ For Windows 2000: File/Print/Properties/Version
The dialog box displays incorrectly after you select another manufacture's printer and then select the Phaser 6120 again.	Close the Print dialog box, and then open it again.
The custom paper size is different from the size that was set.	Depending on the operating system, the custom paper size settings may change slightly (for example, 5.80 in. may change to 5.79 in.).
When printing 2 pages on a single sheet of paper, the pages are not centered on the paper.	Depending on the operating system, the pages are not centered on the paper when printing two pages on a single sheet of paper with the following paper sizes. Legal, Letter Plus, Foolscap, Government Legal, Statement, Folio

Symptom	Solution
When printing multiple copies of multiple pages on a single sheet of paper with Collated selected, the pages are printed continuously.	When printing multiple copies of multiple pages on a single sheet of paper, Collated cannot be selected.
While printing from Adobe Reader, the pages are not correctly collated or the print job is cancelled.	If a printing error occurs with Adobe Reader, print using the Preview application provided by the operating system.

Download Manager

This utility, which can be used only if the optional hard drive is installed, enables fonts and overlay data to be downloaded to the printer hard drive.

- 1 Insert the Phaser 6120 *Software and Documentation CD-ROM* in the CD/DVD drive of your computer.
- 2 Select your desired language from the list.
- 3 Select **Download Manager**.



- 4 Follow the onscreen instructions in the InstallShield Wizard.



***Operation on
Mac OS X***

2

System Requirements for the Printer Driver

Before installing the printer driver, make sure that your system meets the following system requirements:

Computer	Apple Macintosh computer with a PowerPC G3 or later processor (PowerPC G4 or later is recommended.)
Connecting the computer and printer	USB connection, network connection (10Base-T/100Base-TX)
Operating system	Mac OS X version 10.2 or later (Installing the newest patch is recommended.) Mac OS X Server 10.2 or later
RAM	More than OS recommendation (128 MB or more is recommended.)
Available disk space	256 MB or more (for storing images)

Installing the Printer Driver



Before proceeding with the installation, be sure to exit all running applications.

Mac OS X 10.4



The procedure for installing the printer driver on Mac OS X version 10.4 is described below. The following procedure or some steps may be different depending on the version of the operating system being used. Complete the installation according to the instructions on the dialog boxes that appear.

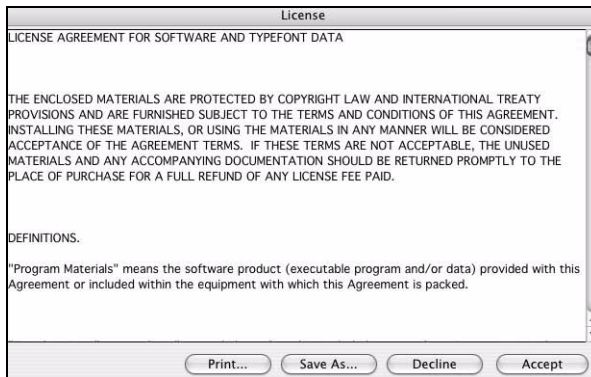
- 1 Insert the Phaser 6120 Software and Documentation CD-ROM in the CD/DVD drive of your Macintosh.
- 2 Click the CD icon on the desktop.



- 3 Click the **Install Phaser 6120** icon.



- 4 Check the details of the License Agreement, and click **Accept** if you agree to the terms of the license.



- 5 Click **Install Printer Driver**.

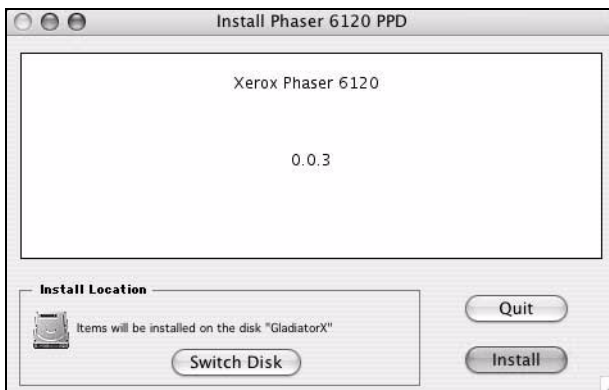


- 6 If necessary, enter your username and password to continue. Click **OK**.



The **Install Phaser 6120** dialog box appears.

- 7 Click **Install**.



Installation starts.

- 8 After the installation has been completed, click **Quit**.



This completes the installation of the Phaser 6120 PPD.

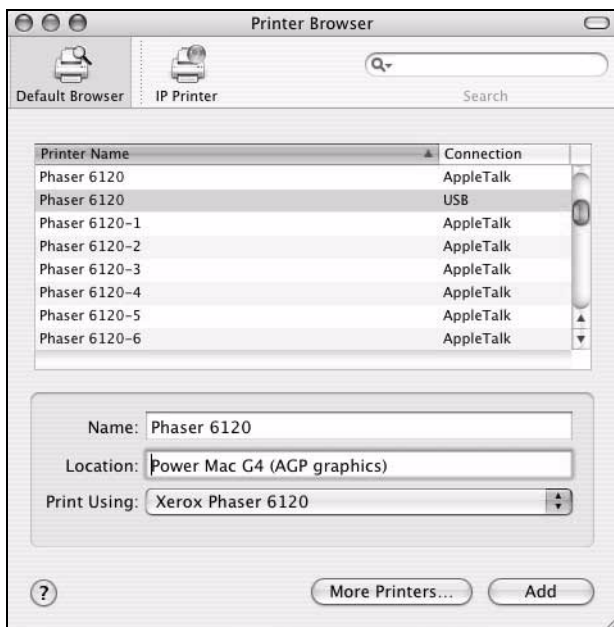
Printer Setup Utility Settings

Using a USB Connection

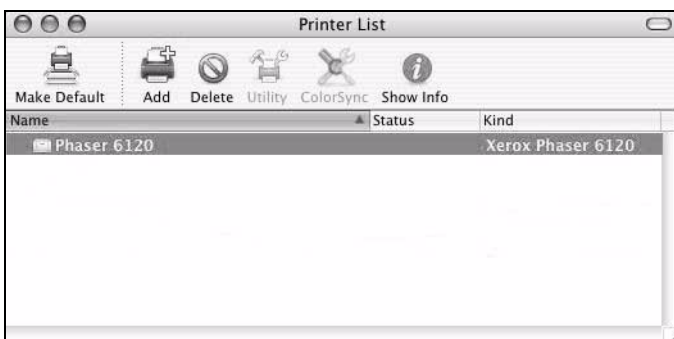
- 1 Use a USB cable to connect the printer to your computer.
- 2 Open **Printer Setup Utility**, which can be accessed by selecting Macintosh HD, **Applications**, and then **Utilities**.
- 3 In the **Printer List**, click **Add**.



- 4 Select **USB** from the menu.
- 5 Type **Phaser 6120** in the **Name** list.
- 6 Select **Xerox Phaser 6120** from the **Printer Using** menu if it did not default to the correct name.



- 7 Click **Add**.



The new printer appears in the Printer List screen.

Macintosh OS X 10.2.x and 10.3.x

- 1 Insert the Phaser 6120 *Software and Documentation CD-ROM* in the CD/DVD drive of your Macintosh.
- 2 Open **Printer Setup Utility** for 10.2.x or 10.3.x, which can be accessed by selecting Macintosh HD, **Applications**, and then **Utilities**.
- 3 Confirm that the first drop-down menu is set to **Bonjour (Rendezvous)**.
- 4 Select the printer in the printers window.
- 5 Select **Xerox** from the list of manufacturers in the lower drop-down menu.
- 6 Select the appropriate printer model from the list of available printers.
- 7 Click the **Add** button.

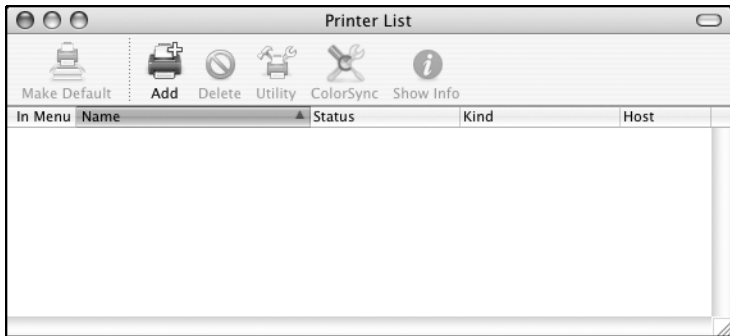
Using a Network Connection

The network connection settings can be specified in one of two ways:

- AppleTalk
- IP Printing

Using AppleTalk

- 1 Connect the printer to an Ethernet network.
- 2 Open **Printer Setup Utility**, which can be accessed by selecting Macintosh HD, **Applications**, and then **Utilities**.
- 3 Click **Add** in the **Printer List**.



- 4 Select **AppleTalk** from the menu.
- 5 Type **Phaser 6120** in the **Name** list.
- 6 Select **Xerox Phaser 6120** from the **Printer Using** pop-up list.



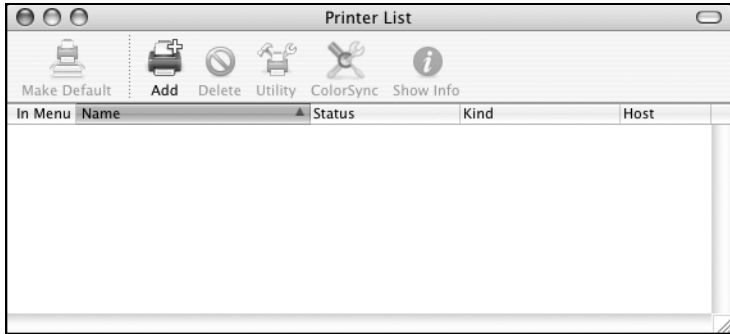
- 7 Click **Add**.



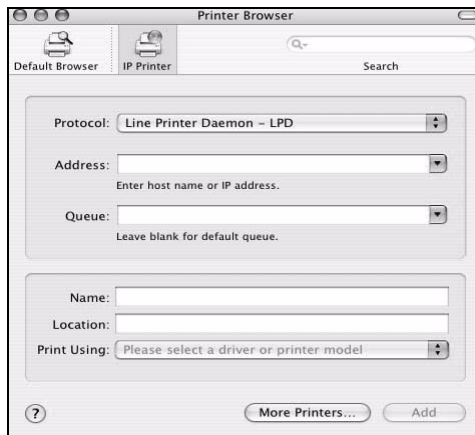
The new printer appears in the Printer List screen.

Using IP Printing

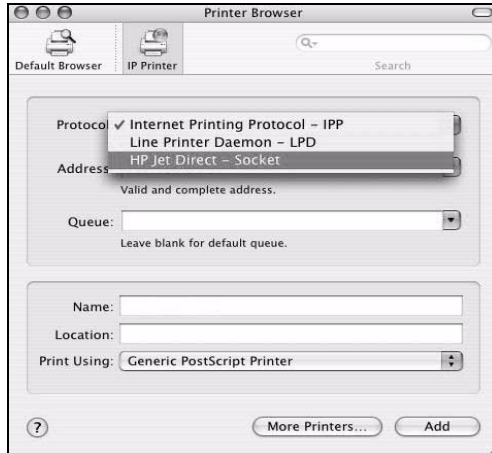
- 1 Connect the printer to an Ethernet network.
- 2 Open **Printer Setup Utility**, which can be accessed by selecting Macintosh HD, **Applications**, and then **Utilities**.
- 3 Click **Add** in the **Printer List**.



- 4 Select **IP Printing** from the menu bar.



- 5 The printer supports Raw TCP (HP JetDirect), LPR, and IPP. We recommend **JetDirect - Socket**.

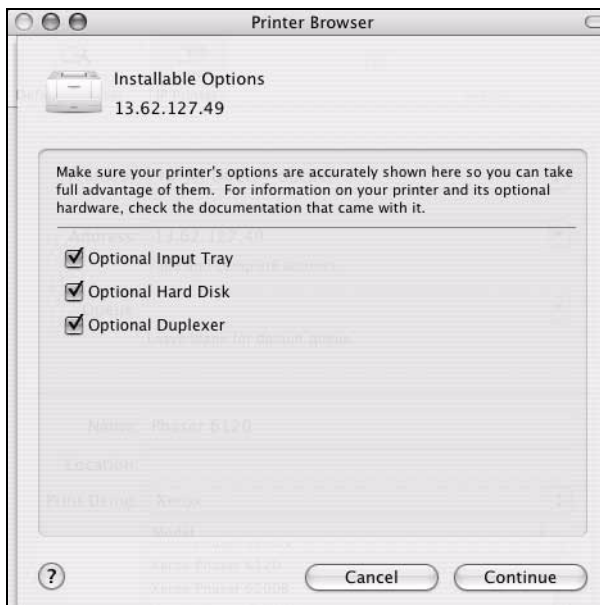


- 6 Enter the IP address for the printer in the **Address** text box.
- 7 Type **Phaser 6120** in the **Name** list.
- 8 Select **Xerox** from the **Printer Using** pop-up menu.
- 9 Select **Xerox Phaser 6120** in the **Model** list.



10 Click **Add**.

11 Select the options that you have on your printer, and then click **Continue**.

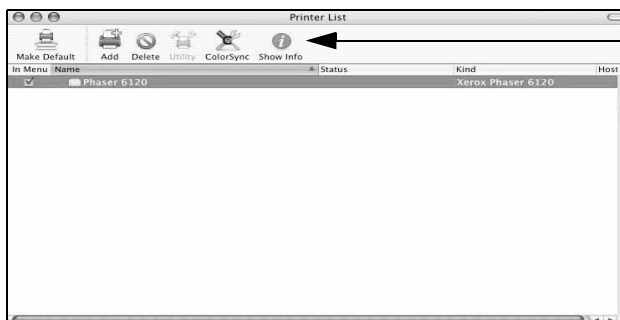


The new printer appears in the Printer List screen.

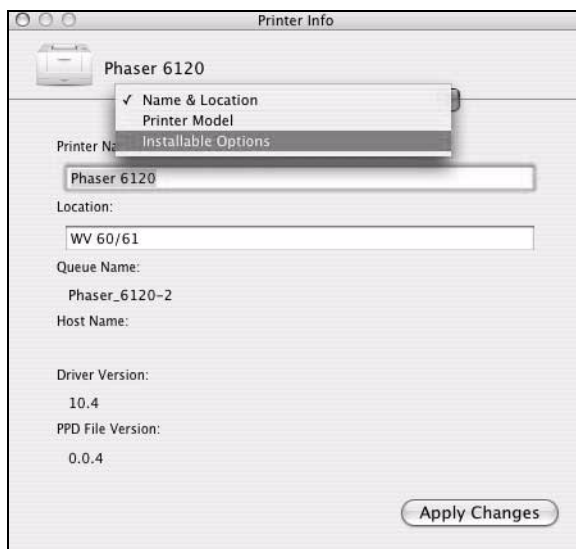


Selecting Print Options

- 1 Open **Printer Setup Utility**, which can be accessed by selecting **Macintosh HD**, **Applications**, and then **Utilities**.
- 2 Select this printer in the **Printer List**, and then select **Show Info** from the **Printers** menu.



- 3 Select **Installable Options** from the pop-up menu.



- 4 Select the options that you have on your printer, and then click **Apply Changes**.

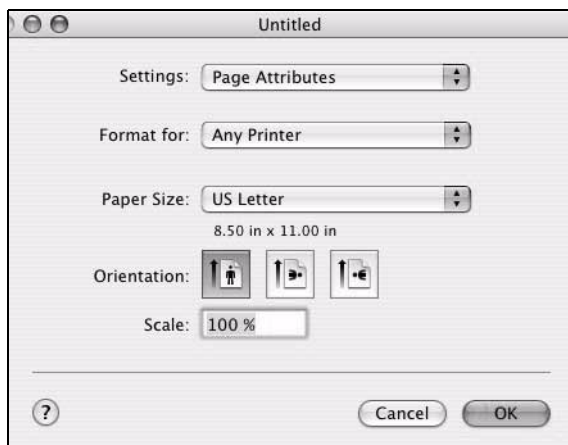


- 5 Close the **Printer Info** dialog box.

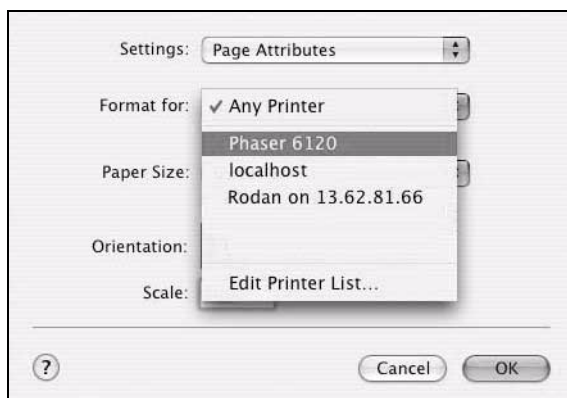
Specifying Page Setup Settings

The following dialog box appears when **Page Setup...** is selected from the **File** menu in the application being used.

- 1 Select **Page Setup...** from the **File** menu.
The **Page Setup** dialog box appears.



- 2 Select this printer in the **Format for** pop-up menu.

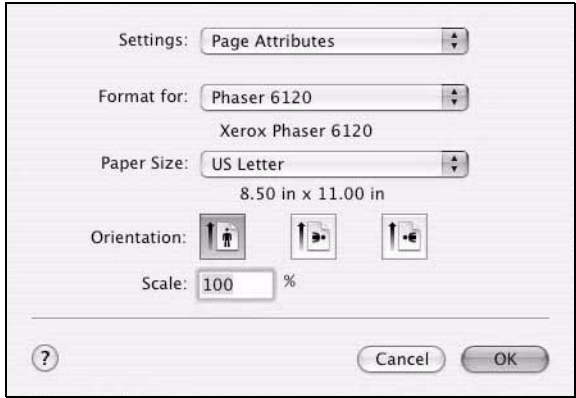


You can select the following sections from the **Settings** pop-up menu.

Section	Description
Page Attributes	This is used to specify the settings for the paper size, scaling, and print orientation.
Save As Default	This is used to save the new settings as the defaults.

Page Attributes Options

The **Page Attributes** section is used to specify the settings for the paper size, scaling, and print orientation.



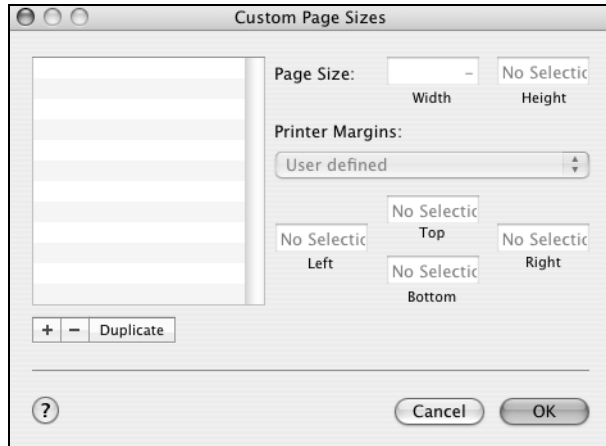
- **Paper Size**
Select the desired paper size from the Paper Size pop-up menu.
- **Orientation**
Select either a vertical or horizontal page orientation for printouts.
- **Scale**
If you want to enlarge or reduce the size of the printout, enter the scale ratio here (1-100,000%)



Regardless of which paper size is selected, the printer does not print within 0.157 in. (4 mm) of the edge of the paper. For Legal size, the bottom 16 mm is black only. The color printing area only reaches 335.6 mm from the top edge.

Custom Paper Size Options

The **Custom Paper Size** section is found under the Paper Size pop-up menu. It is used to specify the dimensions for a custom paper size.

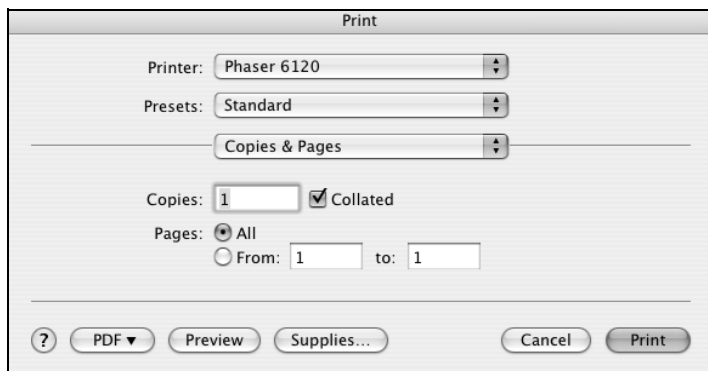


- **Page Size**
Enter the dimensions of the paper height and width for the custom paper size.
Height: 148 - 356 mm (5.9 - 14.0 in.)
Width: 92 - 216 mm (3.6 - 8.5 in.)
- **Printer Margins**
Enter the dimensions for the top, left, right, and bottom margins.
- **Duplicate**
Click this button to duplicate (copy) the settings of an existing custom paper size and create a new custom paper size based on those settings.

Specifying Print Settings

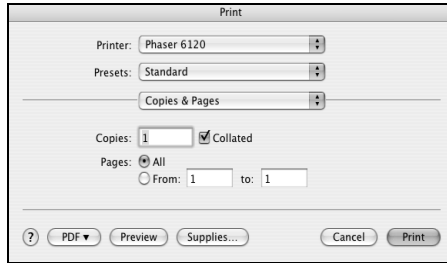
The following dialog box appears when **Print...** is selected from the **File** menu in the application being used.

- 1 Select **Print...** from the **File** menu.
The **Print** dialog box appears.
- 2 Select this printer in the **Printer** pop-up menu.
The **Print** dialog box is used to specify the following print options.



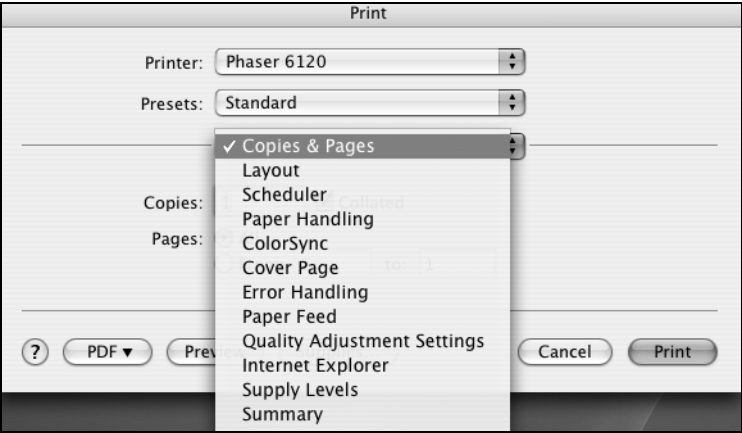
Print Dialog Contents

The Print dialog has a number of items that are always available regardless of which pane is displayed.



- **Printer pop-up menu**
Select the destination printer from the Printer pop-up menu.
- **Presets pop-up menu**
Select standard, custom, or printer-supplied presets from the Presets pop-up menu.
- **Copies and Pages pop-up menu**
Click this button to navigate between panes.
- **? button**
Click this button to display help information about the Print dialog box.
- **PDF button**
Click this button to save the print output as a PDF file.
- **Preview button**
Click this button to view a preview image of the printout, to check that the print options are set correctly.
- **Supplies button**
Click this button to display the manufacturer's web page of recommended supplies for the printer.
- **Cancel button**
Click this button to close the Print dialog box without applying any of the settings.
- **Print button**
Click this button to print using the selected print options.

Print Dialog Panes



Section	Description
Copies and Pages	This section contains options for the number of copies to be printed and the range of pages to print.
Layout	This section contains options for specifying the page layout when printing.
Scheduler	This section contains options for specifying the print timing and priority of jobs.
Paper Handling	This section contains options for specifying the pages to be printed and their printing order.
ColorSync	This section contains options for specifying ColorSync settings.
Cover Page	This section contains options for specifying cover page settings.
Error Handling	This section contains options for specifying how an error is reported.
Paper Feed	This section contains paper feed options.
Quality Adjustment Settings	This section contains options for print quality settings.

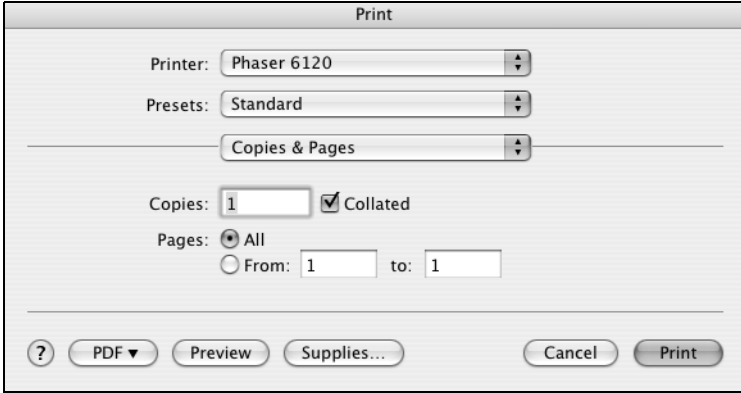
Section	Description
Supply Levels	This section will display the current level of your supplies, such as toner and imaging unit life left.
Summary	This is used to check the current settings.



No warning message is displayed if options that cannot be used together are selected.

Copies and Pages

The **Copies and Pages** section is used to specify the number of copies to print and the range of pages to print.



The screenshot shows a 'Print' dialog box with the following settings:

- Printer: Phaser 6120
- Presets: Standard
- Copies & Pages (selected)
- Copies: 1
- Collated: ☒ Collated
- Pages: ☒ All
- From: 1 to: 1

Buttons at the bottom: ? PDF ▼ Preview Supplies... Cancel Print

■ Copies

This specifies the number of copies to be printed. If the **Collated** check box is selected, all pages in the documents are printed as sets of printouts.

For example, if 5 is entered for **Copies** and **Collated** is selected, the document is printed five times from the first page to the last page.

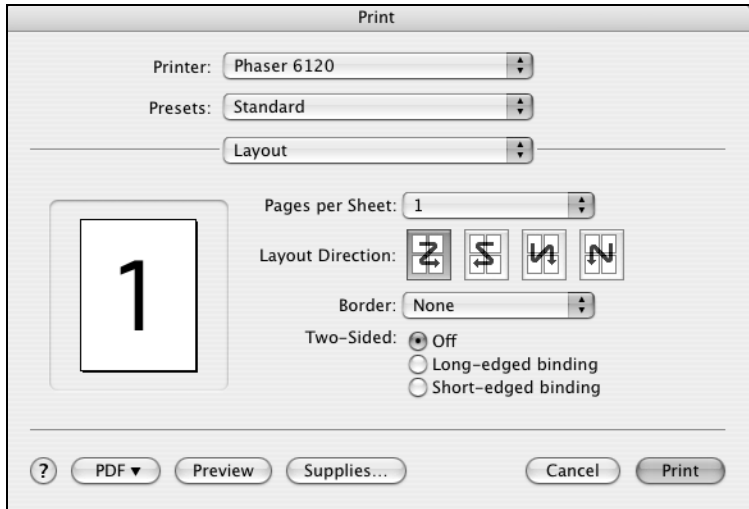
■ Pages

All: Prints all pages in the document.

From, to: Specifies the range of pages to be printed.

Layout

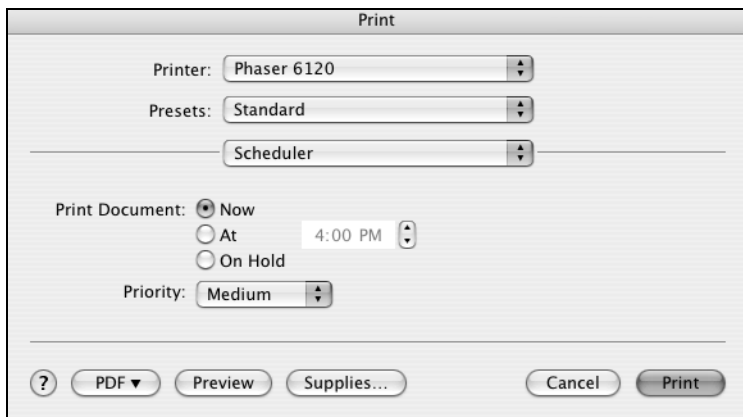
The **Layout** section is used to specify the page layout when printing and the setting for two-sided printing.



- **Pages per Sheet**
Specifies the number of pages to be printed on one sheet of paper. For example, if **2** is selected, two pages are printed on one sheet of paper.
- **Layout Direction**
If you are printing more than one page per sheet, this specifies the direction and order the pages should be arranged on each sheet of paper.
- **Border**
This prints a border around the image for each of the pages printed on one sheet of paper when more than one page is printed on one sheet of paper.
- **Two-Sided**
Select the desired setting for two-sided printing when the optional duplex unit is installed.
 - Off:** Two-sided printing is not performed.
 - Long-edged Binding:** Two-sided printing is performed with the binding along the long edge of the paper.
 - Short-edged Binding:** Two-sided printing is performed with the binding along the short edge of the paper.

Scheduler

The **Scheduler** section is used to specify the timing and priority for printing jobs.



The screenshot shows a 'Print' dialog box with a 'Scheduler' section. The 'Printer' is set to 'Phaser 6120' and 'Presets' to 'Standard'. The 'Scheduler' section is expanded, showing 'Print Document' options: 'Now' (selected), 'At' (with a time of 4:00 PM), and 'On Hold'. The 'Priority' is set to 'Medium'. At the bottom are buttons for '?', 'PDF', 'Preview', 'Supplies...', 'Cancel', and 'Print'.

■ Print Document

Now: Select this option to begin printing immediately.

At: Specify the time to begin printing.

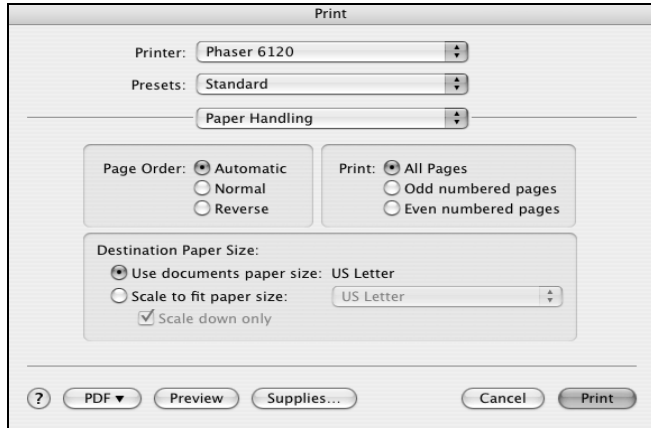
On Hold: Select this option to hold the print job.

■ Priority

Select the priority for printing jobs that are being held.

Paper Handling

The **Paper Handling** section is used to specify the pages that are to be printed and the order in which the pages are printed.



- **Page Order**

Select the order in which you want the document to print.

- **Print**

All pages: Select this option to print all pages.

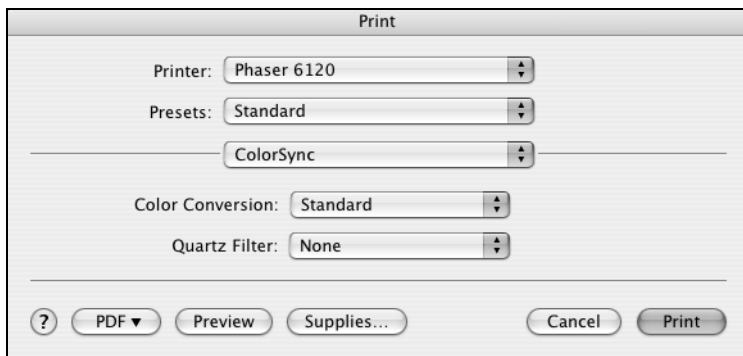
Odd numbered pages: Select this option to print only the pages with odd page numbers.

Even numbered pages: Select this option to print only the pages with even page numbers.

- **Destination Paper Size**

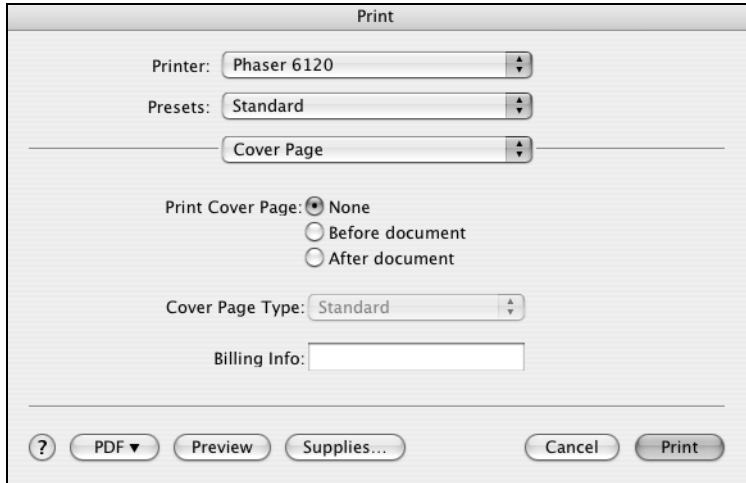
Select the output paper size of the job. You can scale to fit or use the current document size.

ColorSync



- **Color Conversion**
Enables you to select host-based color matching or printer-based color matching.
- **Quartz Filter**
Allows you to select Quartz Filter.

Cover Page



- **Print Cover Page**
Allows you to set cover page before or after document.
- **Cover Page Type**
Allows you to select cover page type.
- **Billing Info**
Allows you to set billing information printed on cover page.

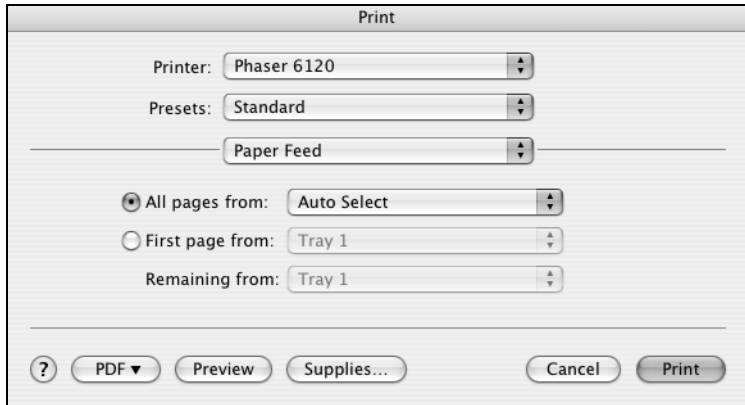
Error Handling



- **PostScript Errors**
Allows you to select whether or not a report is printed when a PostScript error occurs.
- **Tray Switching**
Select this option to determine the tray switching behavior.

Paper Feed

The **Paper Feed** section is used to specify the paper feed setting.



The screenshot shows a 'Print' dialog box for a Phaser 6120 printer. The 'Printer' field is set to 'Phaser 6120' and the 'Presets' field is set to 'Standard'. The 'Paper Feed' section is expanded, showing three radio button options: 'All pages from:' (selected) with a dropdown set to 'Auto Select', 'First page from:' with a dropdown set to 'Tray 1', and 'Remaining from:' with a dropdown set to 'Tray 1'. At the bottom of the dialog are buttons for '?', 'PDF', 'Preview', 'Supplies...', 'Cancel', and 'Print'.

- **All pages from**
All pages in the document are printed using the paper in the specified paper tray.
- **First page from**
The first page of the document is printed on paper from a paper tray different from the tray used to print the rest of the document.
- **Remaining from**
The rest of the document is printed from the specified paper tray when the first page is to be printed on paper from a different tray.



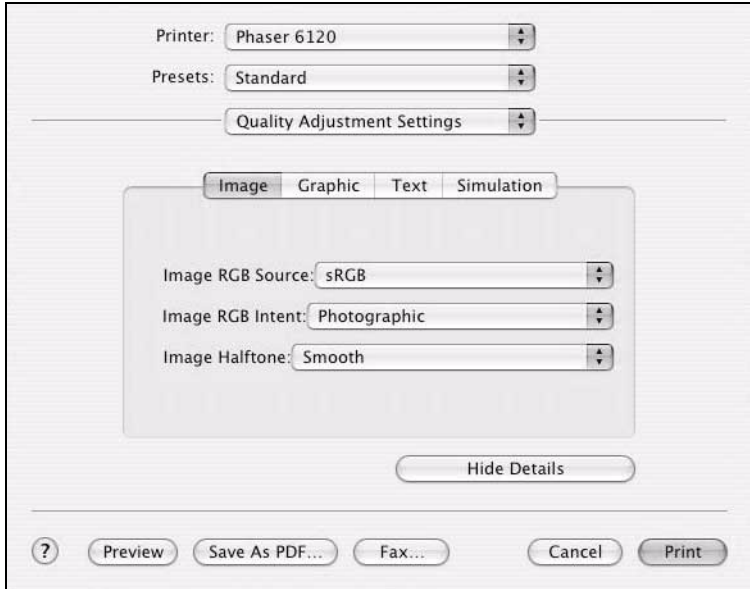
*Optional **Tray 2** is available only when it is installed.*

Quality Adjustment Settings



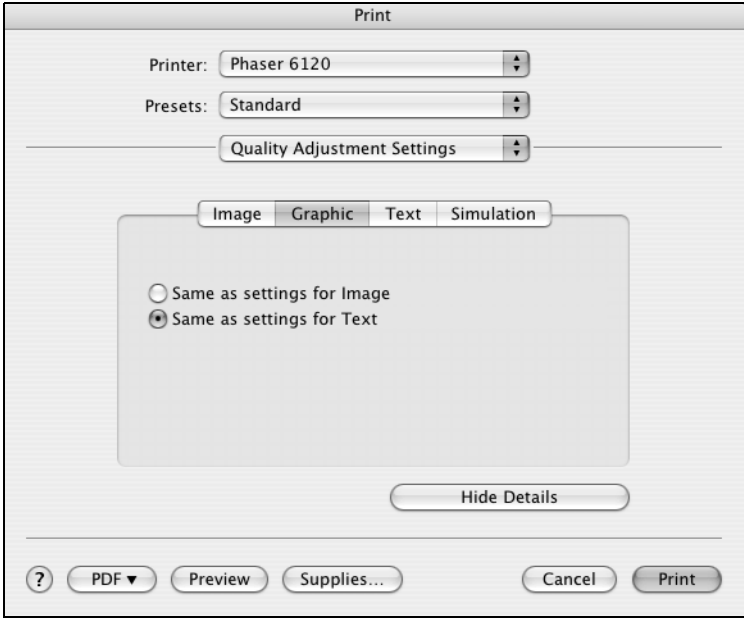
- **Quick Color**
Allows you to select a color matching mode.
- **Resolution**
Allows you to select the resolution to be used when printing a document.
- **Paper Type**
Allows you to select the type of paper on which the print image will be printed.
- **Color Mode**
Allows you to select color or grayscale.
- **Details**
Click this button to get access to the custom setup.

Custom Quick Color Details, Image



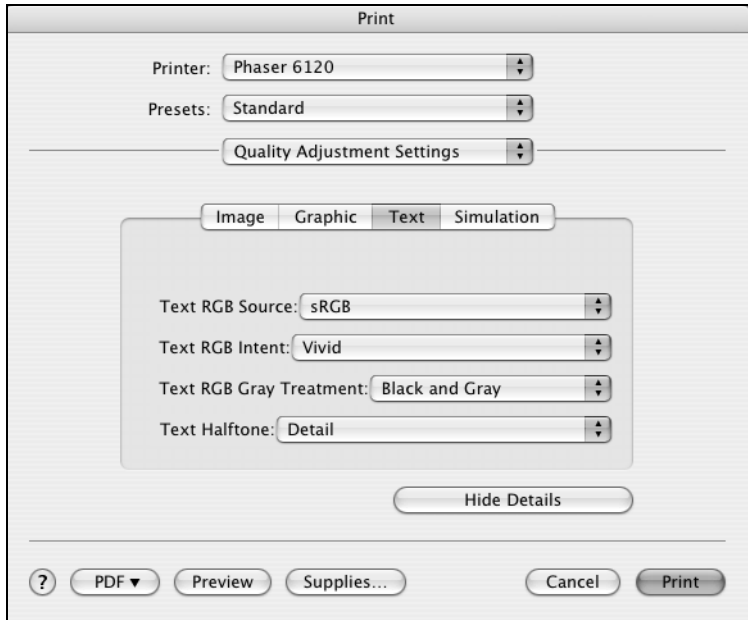
- **Image RGB Source**
Allows you to select RGB color profiles for images.
- **Image RGB Intent**
Allows you to select RGB rendering intents for images.
- **Image Halftone**
Allows you to select halftone style for images.
- **Hide Details**
Click this button to hide the Detailed Settings tabs and return to the Quality Adjustment Settings pane.

Custom Quick Color Details, Graphics



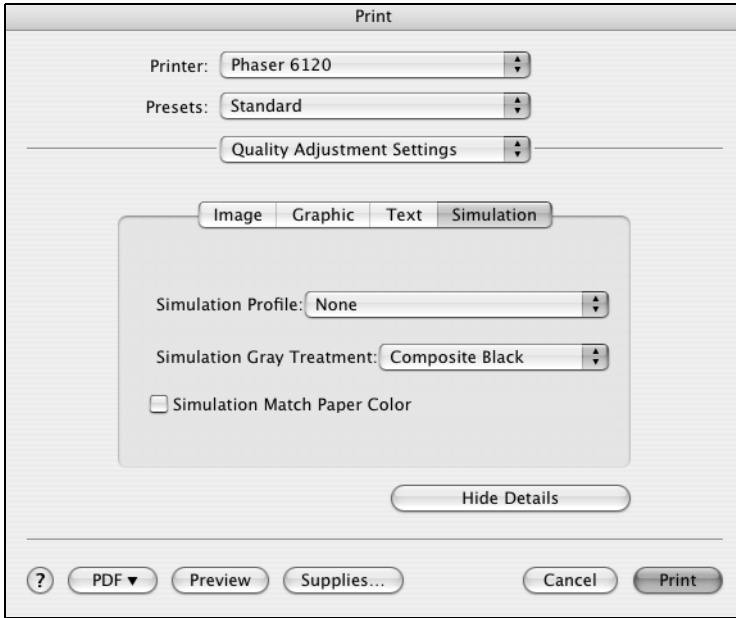
- **Graphics Setting**
Allows you to indicate how graphics are adjusted for image or text.
- **Hide Details**
Click this button to hide the Detailed Settings tabs and return to the Quality Adjustment Settings pane.

Custom Quick Color Details, Text



- **Text RGB Source**
Allows you to select RGB color profiles for text.
- **Text RGB Intent**
Allows you to select RGB rendering intent for text.
- **Text RGB Gray Treatment**
Allows you to select RGB gray treatment for text.
- **Text Halftones**
Allows you to select halftone style for text.
- **Hide Details**
Click this button to hide the Detailed Settings tabs and return to the Quality Adjustment Settings pane.

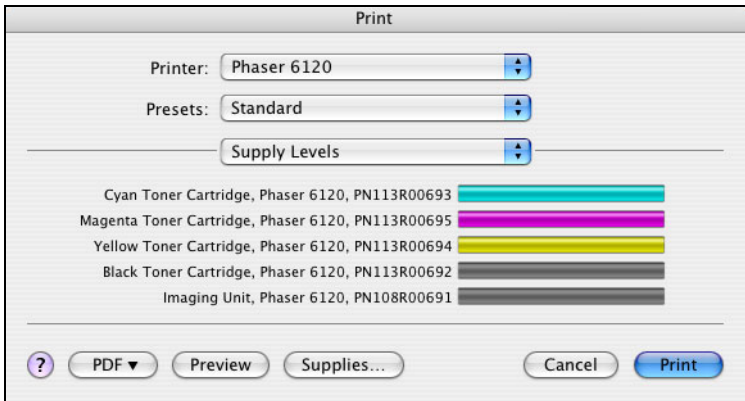
Custom Quick Color Details, Simulation



- **Simulation Profile**
Allows you to select Source Profile for simulating another printing device.
- **Simulation Gray Treatment**
Allows you to select how grays will be simulated.
- **Match Paper Color**
Allows you to set Match Paper Color.
- **Hide Details**
Click this button to hide the Detailed Settings tabs and return to the Quality Adjustment Settings pane.

Supply Levels

The **Supply Levels** is used to display the current level of your supplies, such as toner and imaging unit life left.



Summary

The **Summary** is used to check the currently selected print settings.



Troubleshooting

Symptom	Solution
The setting in the saved presets is not applied.	Depending on the functions selected for the printer, some preset settings are not saved.
Media type error appears.	If a media type, such as "Transparency," is specified for Tray 1 or Tray 2, a media type error appears and the printer stops. Be sure to specify a media type supported by Tray 1 and Tray 2.
The printer stops responding.	Depending on the operating system, some paper size and paper type combinations are not permitted. If the job was sent with an incorrect combination of settings, the printer stops responding. Be sure to print with the correct combination of paper size and paper type settings.
Checking the version number of the printer driver.	Click the following files, and then select Get Info from the File menu. <ul style="list-style-type: none"> ■ For Mac OS X version 10.3: /Library/Printers/Xerox/PDEs/ Xerox phaser6120 Color.plugin ■ For Mac OS X version 10.2: /Library/Printers/PPD Plugins/Xerox phaser6120 Color.plugin
The dialog box displays incorrectly after you select another manufacture's printer and then select the Phaser 6120 again.	Close the Print dialog box, and then open it again.
The custom paper size is different from the size that was set.	Depending on the operating system, the custom paper size settings may change slightly (for example, 5.80" may change to 5.79").
When printing 2 pages on a single sheet of paper, the pages are not centered on the paper.	Depending on the operating system, the pages are not centered on the paper when printing two pages on a single sheet of paper with the following paper sizes. Legal, Letter Plus, Foolscap, Government Legal, Statement, Folio

Symptom	Solution
When printing multiple copies of multiple pages on a single sheet of paper with Collated selected, the pages are printed continuously.	When printing multiple copies of multiple pages on a single sheet of paper, Collated cannot be selected.
While printing from Adobe Reader, the pages are not correctly collated or the print job is cancelled.	If a printing error occurs with Adobe Reader, print using the Preview application provided by the operating system.

Download Manager

This utility, which can be used only if the optional hard drive is installed, enables fonts and overlay data to be downloaded to the printer's hard drive.

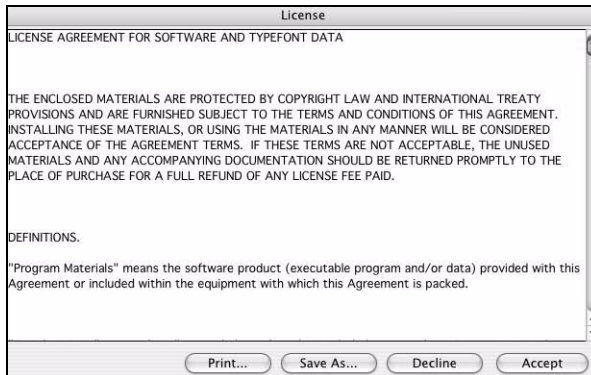
- 1 Insert the *Phaser 6120 Software and Documentation CD-ROM* in the CD/DVD drive of your Macintosh.
- 2 Click the CD icon on the desktop.



- 3 Click the **Install Phaser 6120** icon.



- 4 Check the details of the License Agreement, and click **Accept** if you agree to the terms of the license.



- 5 Click the **Download Manager** icon.



- 6 Enter your username and password to continue. Click **OK**.

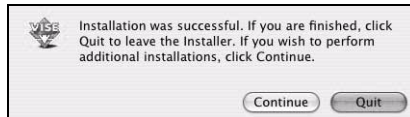


The **Download Manager** dialog box appears.

- 7 Click **Install**.



- 8 After the installation has been completed, click **Quit**.



This completes the installation of the Phaser 6120 Download Manager.

***Operation on
Mac OS 9.X***

3

System Requirements for the Printer Driver

Before installing the printer driver, make sure that your system meets the following system requirements:

Computer	Apple Macintosh computer with a PowerPC G3 or later processor (PowerPC G4 or later is recommended)
Connection between computer and printer	USB connection Network connection (10Base T/100Base TX)
Operating system	Mac OS 9.2.2 or later
RAM	More than OS recommendation (128 MB or more is recommended)
Available disk space	256 MB or more is recommended (for storing images)

Installing the Printer Driver

Mac OS 9.2



The procedure for installing the printer driver on Mac OS version 9.2 is described below. The following procedure or some steps may be different depending on the version of the operating system being used. Complete the installation according to the instructions on the dialog boxes that appear.

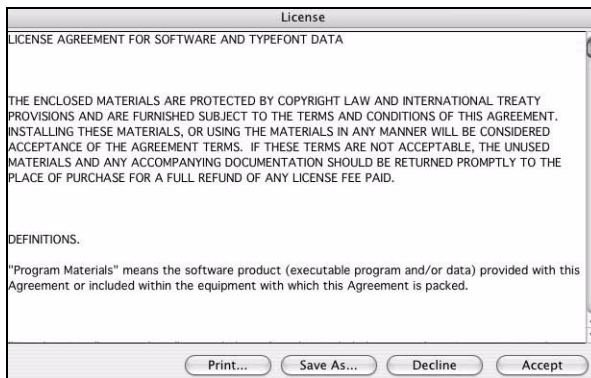
- 1 Insert the Phaser 6120 Software and Documentation CD-ROM in the CD/DVD drive of your Macintosh.
- 2 Click the CD icon on the desktop.



- 3 Click the **Install Phaser 6120** icon.



- 4 Check the details of the License Agreement, and click **Accept** if you agree to the terms of the license.

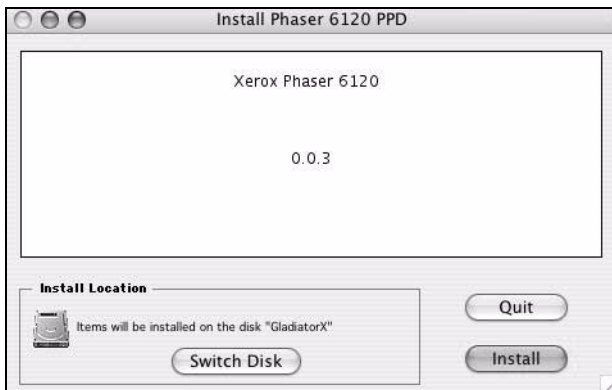


5 Click **Install Printer Driver**.



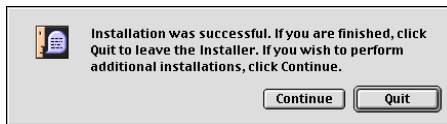
The **Install 6120** dialog box appears.

6 Click **Install**.



Installation starts.

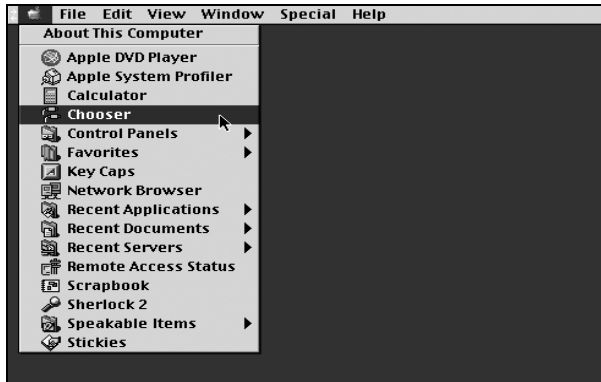
7 After the installation has been completed, click **Quit**.



This completes the installation of the Phaser 6120 PPD.

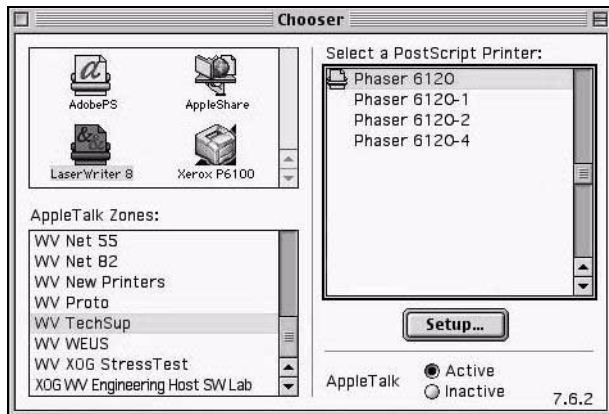
Selecting the Printer in the Chooser

- 1 Connect the printer and computer.
 - If you are using a USB connection, use the USB cable to connect the printer and your computer.
 - If you are using a network connection, use a 10Base-T/100Base-TX cable to connect the printer to a Ethernet network.
- 2 Select **Chooser** from the Apple menu.



- 3 Select the **LaserWriter 8** icon from the icons on the left side of the Chooser.

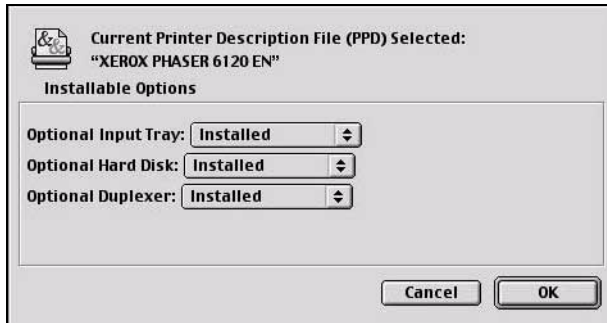
The printer name appears in the **Select a printer** section on the right side of the Chooser.



- 4 Select the printer.

5 Click **Create**.

The **Printer Setup** dialog box appears.



6 Select the options that are installed, and then click **OK**.

The icon for the Phaser 6120 appears on the desktop.

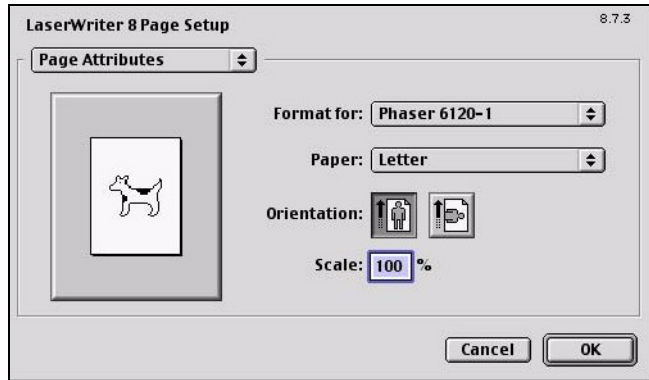
- With a USB connection, **6120** appears.
- With a network connection, **Xerox Phaser 6120** appears.

Specifying Page Setup Settings

The **Page Setup** dialog box appears when **Page Setup...** is selected from the **File** menu.

Page Attributes Options

The **Page Attributes** section is used to specify the options for the paper size, scaling, and page orientation.



- **Paper**
Select the desired Paper Size from the **Paper** pop-up menu.
- **Scale (%)**
If you want to enlarge or reduce the size of the printout, enter the scale ratio (25%-400%) here.
- **Orientation**
Select either a vertical or horizontal page orientation for printouts.

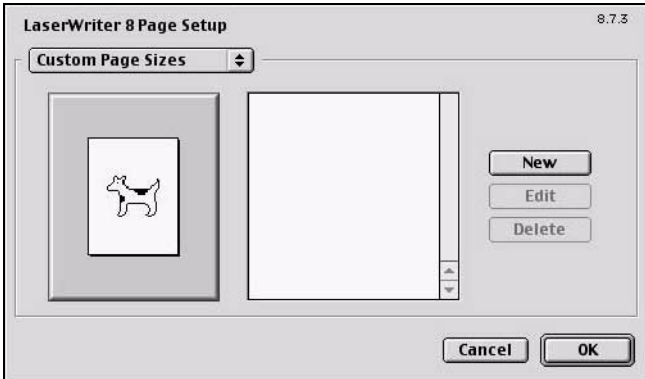


Regardless of which paper size is selected, the printer does not print within 4 mm (0.157 in.) of the edge of the paper.

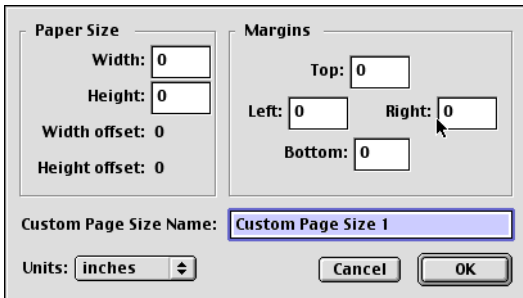
Specifying a Custom Paper Size

You can also specify a paper size that is not listed in the **Paper Size** pop-up menu.

- 1 Select **Custom Page Sizes...** from the pop-up menu, in the **Page Setup** dialog box.
- 2 Click **New**.



The **Edit Paper Sizes** dialog box appears.



- 3 Enter a name for the custom paper size in the **Custom Page Size Name** field, enter the dimensions in the **Width** and **Height** fields, enter the margins in **Margins** fields, and then click **OK**.



*The default units used for the dimensions for **Width**, **Height** and **Margins** is inches. To specify the unit of dimensions, select **cm**, **inches**, or **pts** from the **Units** pop-up menu.*

- 4 To add several different custom paper sizes, click **New** and repeat step 3.

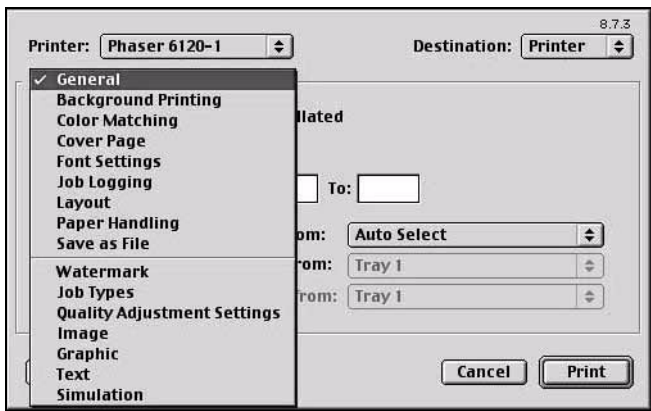


*To delete an existing custom paper size, select the custom paper size from the list on the center of the dialog box, and then click **Delete**.*

- 5 The custom paper size setting is saved, and the name of the custom paper size can now be selected from the **Paper** pop-up menu.
- 6 After you have finished entering the settings, click **Done**.

Specifying Print Settings

The following dialog box appears when **Print...** is selected from the **File** menu in the application being used.



You can specify the following options from the **Print** dialog box.

Print Dialog Box Options

Section	Description
General	This section contains options for the number of copies to be printed, the paper source, and the range of pages to be printed.
Background Printing	This section contains options for spooling the print data for background or foreground printing and the document printing time.
Color Matching	This section contains options for ColorSync Color Matching.
Cover Page	This section contains for specifying cover page settings.
Font Settings	This section contains options for Font Documentation and Font Downloading.
Job Logging	This section contains options for creating a job log.
Layout	This section contains options for the number of pages per sheet of paper and other duplex options.

Section	Description
Paper Handling	This section contains options for specifying the pages to be printed and their printing order.
Save as File	This section contains options for saving the print image as a file and for the format of saved data.
Watermark	This section contains options for watermark settings.
Job Types	This section contains options for Job Types.
Quality Adjustment Settings	This section contains options for print quality adjustment.
Image	This section contains advanced color options for Images.
Graphic	This section contains advanced color options for Graphics.
Text	This section contains advanced color options for Text.
Simulation	This section contains options for Simulation Profile.



No warning message is displayed if options that cannot be used together are selected.

Common Buttons

- **Cancel**
Click this button to close the Print dialog box without applying any of the settings.
- **Print**
Click this button to print using the selected print options.
- **Save Settings**
Click this button to save configuration changes made in the print dialog. These changes remain as the default settings until the configuration items are changed again.

General Options

Printer: **Phaser 6120-1** Destination: **Printer** 8.7.3

General

Copies: **1** ☒ Collated

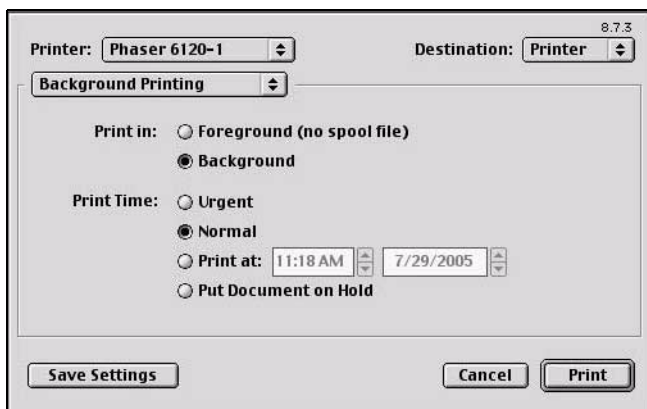
Pages: ☒ All
☐ From: To:

Paper Source: ☒ All pages from: **Auto Select**
☐ First page from: **Tray 1**
Remaining from: **Tray 1**

Save Settings **Cancel** **Print**

- **Copies**
Allows you to specify how many copies of the print job you want printed.
- **Collated**
If this item is selected, your print job is collated (one complete copy of the document is printed before the next copy is printed). Left unselected, the printing is uncollated.
- **Pages**
Select **All** to print all pages in the open document. To print a specific range of pages, select **From**, and then enter the beginning page number in the **From** text box and the ending page number in the **To** text box.
- **Paper Source**
Allows you to select the tray that the printer uses for the print job and to choose a different tray for the first page of the document, if you have more than one tray installed.

Background Printing



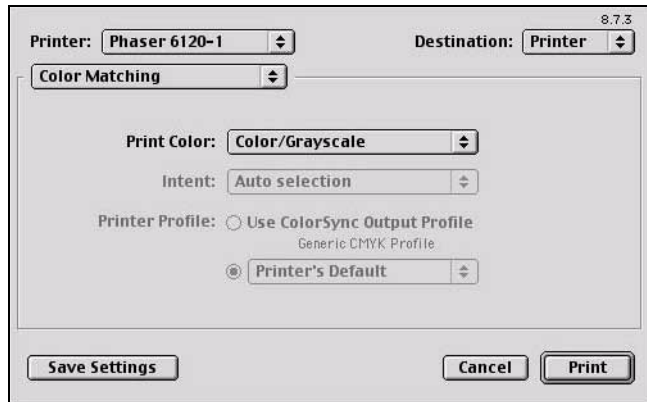
■ Print In

Allows you to choose between printing in foreground and printing in background. Printing in background creates a spool file that is temporarily saved on your computer until the print job is ready to be processed. This enables you to continue working in your applications while the print job is processing. If you do not have enough free file space on your computer to process a spool file, select Foreground printing.

■ Print Time

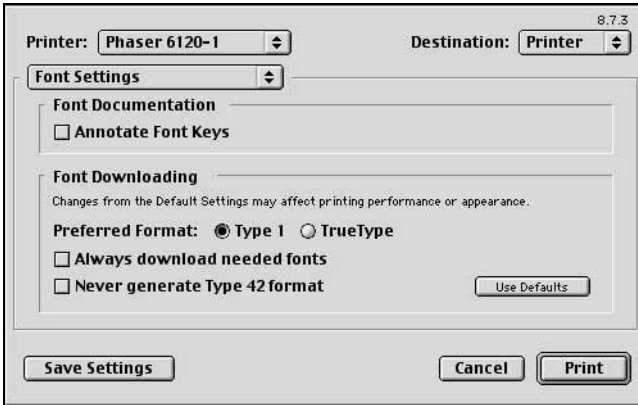
Allows you to assign a priority status to the print job and specify a particular time that the print job should be printed.

Color Matching



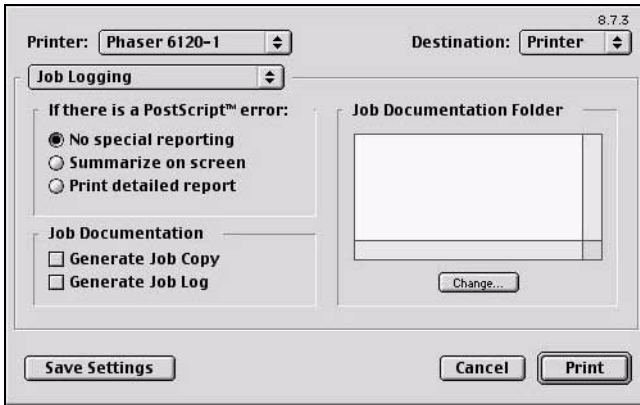
- **Print Color**
Allows you to choose from the color configurations available on your computer.
- **Intent**
Allows you to specify the color matching configuration or allow for automatic configuration. This item is disabled (grayed out) unless **ColorSync Color Matching** is the selected **Print Color** setting.
- **Printer Profile**
Allows you to select from the printer profiles that are available.

Font Settings



- Font Documentation
 - **Annotate Font Keys:**
Allows you to determine if the font keys are annotated.
- Font Downloading
 - **Preferred Format:**
Allows you to select the preferred font format.
 - **Always download needed fonts:**
If selected, fonts should always be downloaded to the printer. Printer fonts are not used.
 - **Never generate Type 42 format:**
If selected, Type 42 fonts are not generated.
 - **Use Defaults:**
Restores factory default settings for font downloading.

Job Logging



- **If there is a PostScript error**
Allows you to select whether or not a report is outputted when a PostScript error occurs.
- **Job Documentation**
Allows you to specify generating a job copy in the folder specified as the Job Documentation Folder, and generating a job font log following the completion of the print job.
- **Job Documentation Folder**
Allows you to select the location of the Job Documentation Folder. The folder selected holds a copy of the print jobs or job information of print jobs that are configured for job documentation. Use the **Change** button to browse to and select a different folder.

Cover Page

8.7.3

Printer: **Phaser 6120-1** Destination: **Printer**

Cover Page

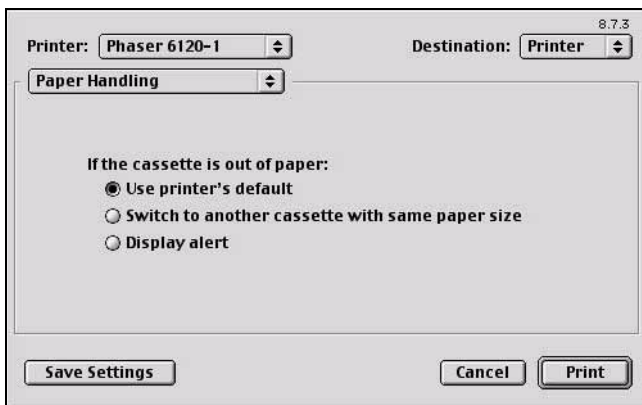
Print Cover Page: ☒ **None**
☐ **Before Document**
☐ **After Document**

Cover Page Paper Source: **Same as document**

Save Settings **Cancel** **Print**

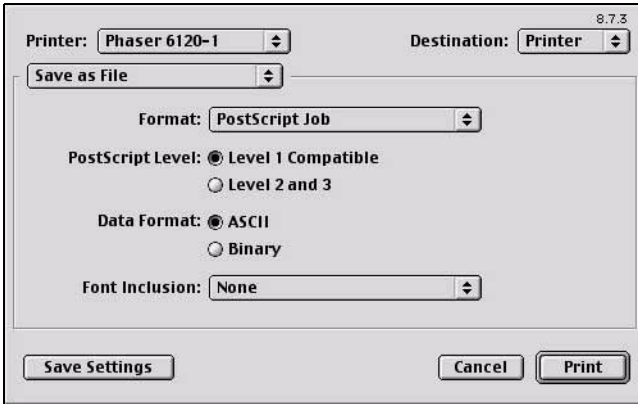
- **Print Cover Page**
Lets you choose whether to print a cover page, and specify the placement of the cover page in relation to the remaining pages of the print job.
- **Cover Page Paper Source**
Allows you to select the paper tray containing the Cover Paper. The Cover Page contains information about the print job such as: user name, application, document name, date, time, printer, and number of pages. This option is disabled (grayed out) if **Print Cover Page** is set to **None**.

Paper Handling



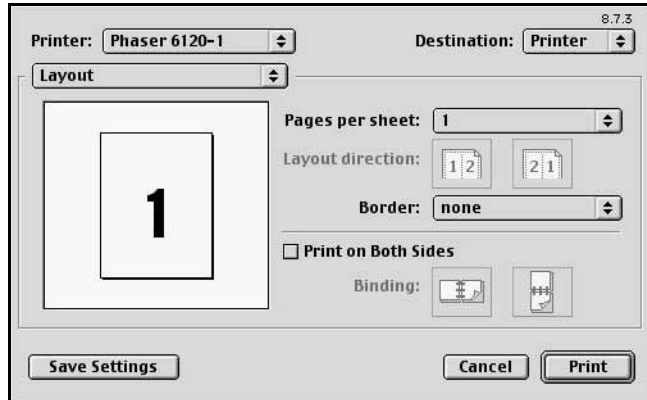
- If the cassette is out of paper
Allows you to select the tray switching behavior if the original tray runs out of paper.

Save as File



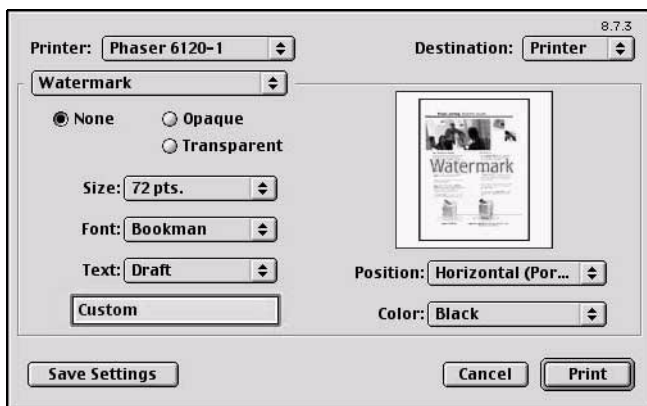
- **Format**
Select the file format of the output file.
- **PostScript Level**
Allows you to select from available PostScript levels.
- **Data Format**
Sends the print job data to the file in either ASCII or Binary format.
- **Font Inclusion**
Allows you to choose the fonts that are included with the Inclusion print job as it is saved to a file.

Layout



- **Pages per sheet**
Allows you to set the number of logical pages per physical sheet.
- **Layout direction**
Lets you identify either left-right or right-left logical page direction on the physical sheet.
- **Border**
Allows you to select a border to surround each logical page.
- **Print on Both Sides**
Allows you to configure the print job for duplex printing.
This setting is disabled (grayed out) unless an optional duplex unit is installed.
- **Binding**
Determines the orientation of the logical pages on the physical sheet so the printed media is oriented for binding on the short edge or long edge of the media.

Watermark



- **None**
Allows you to disable the watermark function.
- **Opaque**
The watermark text will be solid. The page content beneath the watermark will not be visible.
- **Transparent**
The watermark text will be semi-transparent. The page content beneath the watermark will be visible.
- **Size**
Allows you to select watermark font size.
- **Font**
Allows you to select watermark font type.
- **Text**
Allows you to select watermark text.
- **Position**
Allows you to select watermark position.
- **Color**
Allows you to select watermark font color.

Job Types

8.7.3

Printer: **Phaser 6120-1** Destination: **Printer**

Job Types

☒ **Disabled**

☐ **Proof Print**

☐ **Print and Hold**

☐ **Saved Print**

☐ **Secure Print**

Job Name: (A-Z, 0-9)

User Name: (A-Z, 0-9)

Security ID: **None**

Job Type options are available only if the printer has a hard disk.

Save Settings **Cancel** **Print**

■ Job Types

Select type of job.

- **Disabled:** The job is printed normally.
- **Proof Print:** Printer prints 1 copy without the panel operation. You can then print the rest of the copies through the panel. The job is deleted after the whole copies are printed.
- **Print and Hold:** Printer prints all of multicopy print job, and then holds the print job in the printer's hard drive for printing additional copies. The job isn't deleted until it is intentionally deleted or the held job timeout occurs.
- **Saved Print:** Allows user to store print jobs to the hard drive, and later print them on demand from the control panel.
- **Secure Print:** Printer dose not print the job without the panel operation. Printer prints the job when you input Security ID correctly. The job is deleted after all copies are printed.

■ Job Name

Allows you to set Job Name.

■ User Name

Allows you to set User Name.

■ Security ID

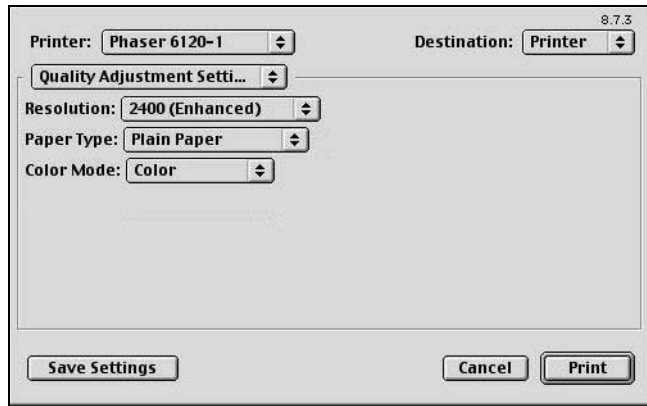
Select a Security ID to a Job.



To use Job Types feature, the optional hard drive must be installed on the printer.

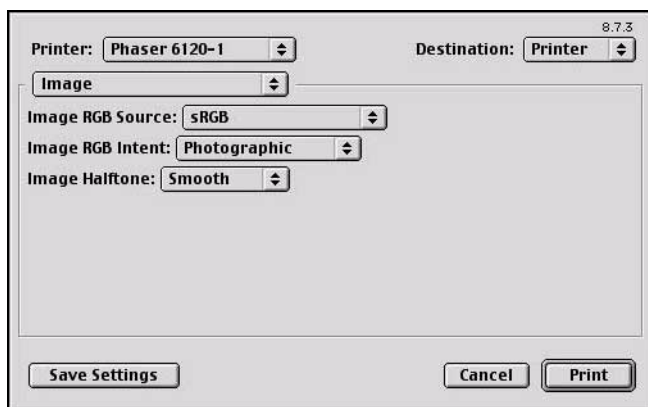
In addition, the printer must be set up with the Chooser to use the hard drive. For details on selecting the hard drive with the Chooser, refer to “Selecting the Printer in the Chooser” on page 69.

Quality Adjustment Settings



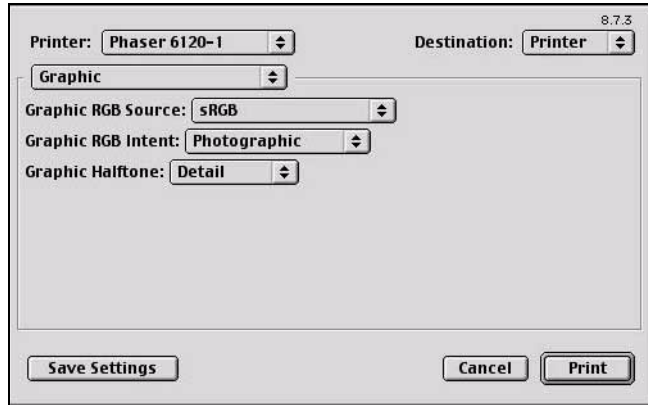
- **Resolution**
Allows you to select the resolution to be used when printing a document.
- **Paper Type**
Allows you to select the type of paper on which the print image will be printed.
- **Color Mode**
Allows you to select color or grayscale.

Image



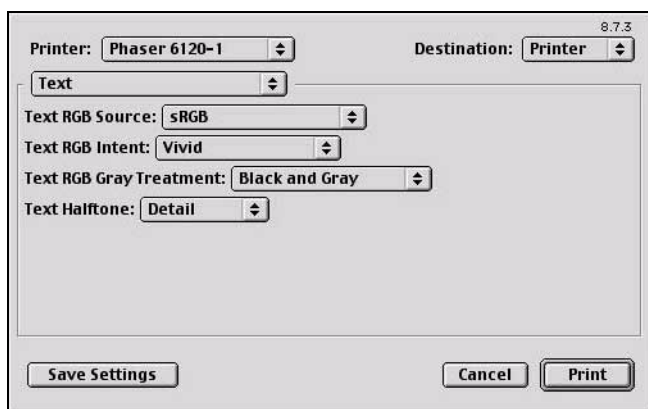
- **Image RGB Source**
Allows you to select RGB color profiles for photographic images.
- **Image RGB Intent**
Allows you to select RGB intent for photographic images.
- **Image Halftone**
Allows you to select halftone for photographic images.

Graphic



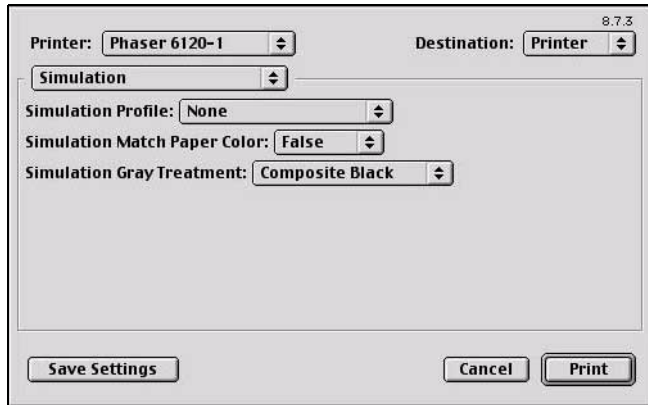
- **Graphic RGB Source**
Allows you to select RGB color profiles for graphics.
- **Graphic RGB Intent**
Allows you to select RGB intent for graphics.
- **Graphic Halftone**
Allows you to select halftone for graphics.

Text



- Text RGB Source
Allows you to select RGB color profiles for text.
- Text RGB Intent
Allows you to select RGB intent for text.
- Text RGB Gray Treatment
Allows you to select RGB gray treatment for text.
- Text Halftone
Allows you to select halftone for text.

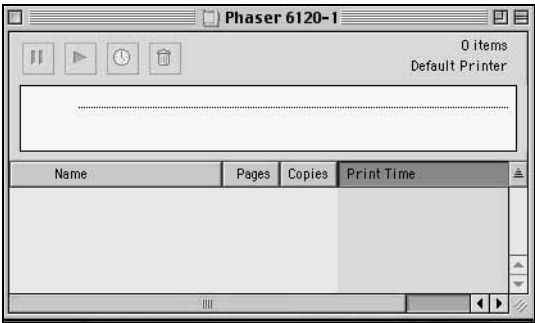
Simulation



- **Simulation Profiles**
Allows you to select RGB color profiles for simulation.
- **Simulation Match Paper Color**
Allows you to set Match Paper Color.
- **Simulation Gray Treatment**
Allows you to select Simulation Gray Treatment.

Checking Print Jobs

To check the progress of print jobs, double-click the **Phaser 6120** desktop printer icon.



In the Classic environment, Print Monitor automatically starts up, and the icon appears in the Dock. Click the Print Monitor icon to check the status of print jobs.

Troubleshooting

Symptom	Action
When printing on both sides of paper with a custom size, an error occurs.	Both sides of paper with a custom size cannot be printed on. In addition, there are limitations on the media types that can be selected. Refer to the <i>User Guide</i> (CD-ROM) provided with the printer.
When printing from a Web browser, each frame is printed on a separate page.	Depending on the Web browser being used, each frame will be printed on a separate page. Try printing from a different Web browser. You can confirm it using the "preview" function of the print dialog.
Two-sided printing cannot be selected.	If the printer is connected by USB, select the installed options with the Chooser. For details on selecting options with the Chooser, refer to "Selecting the Printer in the Chooser" on page 69. In addition, there are limitations on the media types that can be selected. Refer to the <i>User Guide</i> (CD-ROM) provided with the printer.
Tray 2 cannot be selected.	
The error was cancelled, but the error message appeared again.	Occasionally, the error message appears a few times, even though the error was cancelled.


Operation on Linux


4

System Requirements for the Printer Driver

Before installing the printer driver, make sure that your system meets the following system requirements:

CPU	Intel IA-32
Operating systems	Red Hat Linux 9.0 (CUPS 1.1.15 or later), SuSE Linux v9.x (CUPS 1.1.15 or later)
Applications	OpenOffice 1.0.1 or later
Connecting the computer and printer	USB connection, Parallel connection, Network connection (10Base-T/10Base-TX/1000Base-T)
RAM	More than OS recommendation (128 MB or more is recommended)
Network	LPR (queue: lp, LP, default, DEFAULT)
	AppSocket/HP JetDirect
Available hard disk space	256 MB or more

 *This printer driver can also be used with Linux versions other than those listed above if CUPS 1.1.15 or later is installed.*

 *As an example, the descriptions of the operations for SuSE are provided in this chapter.*

Installing PPD File From the Command Line



Before proceeding with the installation, be sure to exit all running applications.



Root privileges are required in order to install `ppd` file.

- 1 Copy the `ppd` file from the CD-ROM to the directory “`/usr/share/cups/model/`”.
- 2 Remove Administrator restrictions. Edit the `/etc/cups/cupsd.conf` by commenting out of the following lines under Location/Admin: `AuthType`, `AuthClass`, `AuthGroupName` (SuSe only).
- 3 Restart CUPS. At a command prompt, enter “`/etc/init.d/cups restart`”



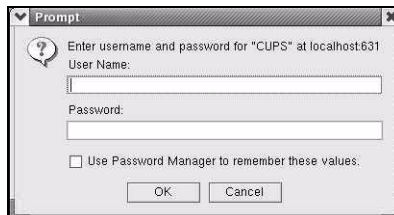
A `ppd` file for each language is available in the corresponding “`drivers/linux/ppd/<language>`” folder on the Software and Documentation CD-ROM. Use the appropriate `ppd` file for the language.

Adding the Printer

- 1 Start up the web browser.
- 2 Enter the URL “http://localhost:631/printers”, and then click **Do Administration Tasks**.



- 3 Enter the username and password for using root privileges, and then click **OK**.



4 Click **Add Printer**.



5 Enter the printer name, and then click **Continue**. You can optionally enter the description and location.



- 6 Select a Device Port from the **Device** list, and then click **Continue**.



- a TCP/IP: **AppSocket/HP JetDirect**, and then **Continue**.
- b Enter a Device URI in the following form: “socket://<Printer IP or Printer Hostname>[:port]”. For example, using the printer IP would be “socket://150.16.241.103:9100”. Using the printer hostname would be “socket://YourPrinterHostname:9100”.



- c Click **Continue**.
- d **USB**: Select **USB Printer #n** (model name), and then **Continue**.
- e **Parallel**: Select **Parallel Port #n** (model name), and then **Continue**.

- 7 Select a printer manufacturer or make, and then click **Continue**.



8 Select a printer model, and then click **Continue**.



The following message appears:



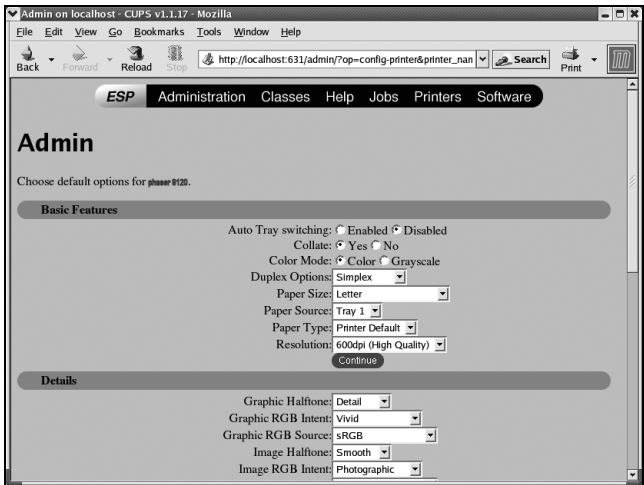
Specifying Printer Driver Settings

Displaying the Settings Page

- 1 Start up the web browser.
- 2 Enter the URL “http://localhost:631/admin”, and then click **Manage Printers**. **Printer on localhost.localdomain** window appears.



- 3 Click the test printer, and then click **Configure Printer**.
The printer driver settings page appears.



Printer Driver Settings

Basic Features

Parameters	Settings
Auto Tray Switching	Specifies tray switching behavior as Enabled or Disabled . ■ The default setting is Disabled .
Collate	If Yes is selected, all pages in the documents are printed as sets of printouts. ■ The default setting is Yes .
Color Mode	Specifies color mode as Color or Grayscale . ■ The default setting is Color .
Duplex Options	Specifies the duplex print binding position as Long Edge , Simplex , or Short Edge . ■ The default setting is Simplex .
Paper Source	Specifies the paper source as Tray 1 , Tray 2 , or Auto . ■ The default setting is Tray 1 .
Paper Type	Specifies the paper type as Printer Default , Plain Paper , Thick , Transparency , Letterhead , Label , Postcard , Envelope , or Glossy . ■ The default setting is Plain Paper .
Resolution	Specifies the resolution of the image as 2400dpi (Enhanced) , 600dpi (Standard) . ■ The default setting is 2400dpi (Enhanced) .

Details

Parameters	Settings
Graphic Halftone	Specifies the halftone for graphics as Detail or Smooth . ■ The default setting is Detail .
Graphic RGB Intent	Specifies RGB intent for graphics as Photographic , Vivid , Relative Color , or Absolute Color . ■ The default setting is Vivid .
Graphic RGB Source	Specifies RGB source for graphics as None , sRGB , Adobe RGB (1998) , Apple RGB , ColorMatch RGB , or Blue Adjust RGB . ■ The default setting is sRGB .
Image Halftone	Specifies the halftone for images as Detail or Smooth . ■ The default setting is Smooth .
Image RGB Intent	Specifies RGB intent for images as Photographic , Vivid , Relative Color , or Absolute Color . ■ The default setting is Photographic .
Image RGB Source	Specifies RGB source for images as None , sRGB , Adobe RGB (1998) , Apple RGB , ColorMatch RGB , or Blue Adjust RGB . ■ The default setting is sRGB .
Simulation Gray Treatment	Specifies simulation gray treatment as Composite Black , Black and Gray , or Black Only . ■ The default setting is Composite Black .
Simulation Match Paper Color	Specifies Match Paper Color as On or Off . ■ The default setting is Off .
Simulation Profile	Specifies the simulation profile as None , SWOP , EuroScale , Commercial Press , DIC , or TOYO . ■ The default setting is None .

Parameters	Settings
Text Halftone	Specifies the halftone for text as Detail or Smooth . ■ The default setting is Detail .
Text RGB Gray Treatment	Specifies the RGB Gray Treatment as Composite Black, Black and Gray , or Black Only . ■ The default setting is Black and Gray .
Text RGB Intent	Specifies RGB intent for text as Photographic, Vivid, Relative Color , or Absolute Color . ■ The default setting is Vivid .
Text RGB Source	Specifies RGB source for text as None, sRGB, Adobe RGB (1998), Apple RGB, ColorMatch RGB , or Blue Adjust RGB . ■ The default setting is sRGB .

Installed Options

Parameters	Settings
Disk	Select Installed if the optional Hard Drive for the printer has been installed. ■ The default setting is Not Installed .
Duplex Unit	Select Installed if the optional duplex unit for the printer has been installed. ■ The default setting is Not Installed .
Input Tray	Select Installed if the optional trays for the printer have been installed. ■ The default setting is Not Installed .

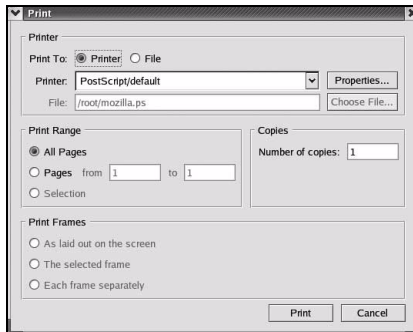
Printing a Document

The contents and available options that appear in the print dialog box may vary depending on the application being used. The description of the operation for Red Hat is provided below.

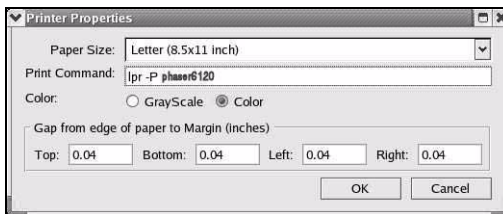
Example Using LPR Command

With applications other than OpenOffice, the following print dialog box appears.

- 1 Click **Properties** in the **Print** dialog box.



The **Print Properties** dialog box appears.

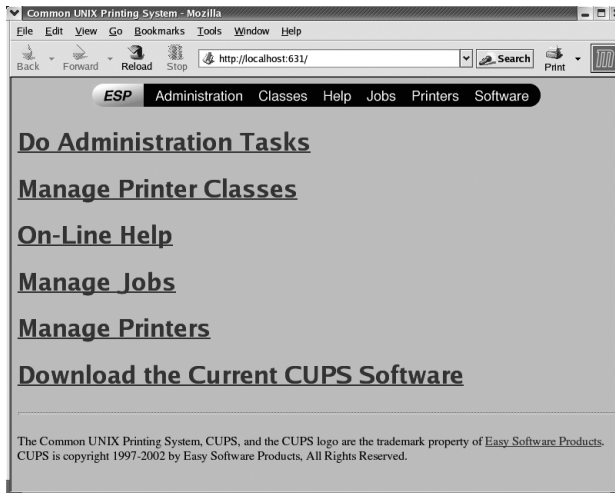


- 2 Enter the command "lpr -P" followed by the name of the printer, and then click **OK**. The Print dialog box appears again.
- 3 Click **Print** to print the document.

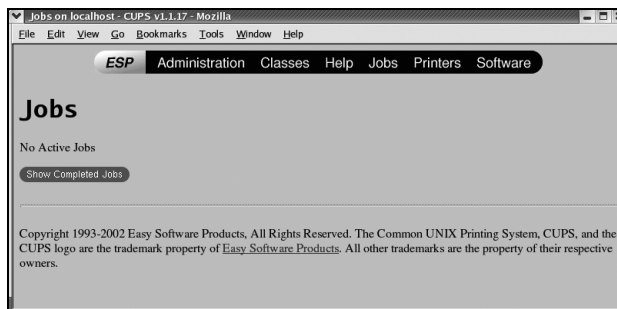
Checking Print Jobs

You can check the status of print jobs from a Web browser.

- 1 Start up the web browser.
- 2 Enter the URL “http://localhost:631”.
The CUPS Administration Web page appears.



- 3 Click **Manage Jobs**.
A list of the currently active print jobs appear.



To check the status of completed print jobs, click **Show Completed Jobs**.

Troubleshooting

Symptom	Action
The printer stops because of a paper size error or a paper type error.	The job may have been sent with a prohibited combination of settings (for example, for the paper size and media type). Printing is not possible with postcards or transparencies if Plain Paper is selected.
Printing does not continue with a custom paper size.	Printing with custom paper sizes is not possible directly from the printer driver. This can only be performed from the command line. Specify the following command to print data. <code>lpr -P [printer_name] -o media=Custom. [WIDTHxLENGTH] [file_name]</code> 1. Format of Custom. [WIDTHxLENGTH]: Custom.150x200 mm, Custom.8x11 in, Custom.15x20 cm, or Custom.612x782 (postscript points) 2. The specified file must be a PS, PDF or JPEG file.
Printing cannot be completed correctly from OpenOffice or any other Office application (such as, Kword).	Applications running under Linux have their own print settings. Some of these functions may not be supported by this printer. Observe the following for best printing results. ■ Settings made within the application: Paper size and orientation ■ Settings made with the printer driver (kprinter): Settings other than those specified above (for example, paper type, tray, and resolution)
When printing from Adobe Reader, part of the image is printed in solid black or the job is interrupted.	There is a compatibility problem between Ghostscript and Adobe Reader. Try using a different PDF application.
Watermarks cannot be printed from Kword.	This is a bug with Kword. Use Overlay instead.

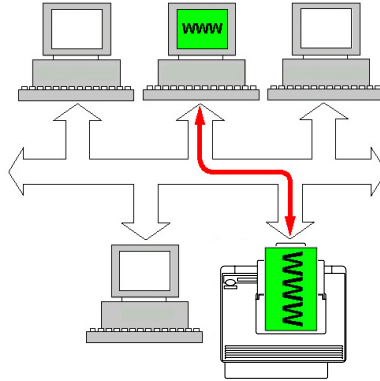
***Printer
Management
Software***

5

CentreWare Internet Services

This section provides information on CentreWare Internet Services (IS), an HTTP (HyperText Transfer Protocol)-based web page that resides in your printer and that you can access using your web browser.

This page gives you instant access to printer status and the most frequently used printer configuration options. Anyone on your network can access the printer using their web browser software. In addition, with the proper password, you can change the configuration of the printer without leaving your computer.



Users who are not given passwords by the administrator can still view the configuration settings and options but are not able to save or apply changes.

Display Language

For details on specifying the display language, refer to the *User Guide* (CD-ROM) provided with the printer.

In addition, the language can be selected in the **System/Administration/Languages** page in CentreWare IS.

Requirements

To use CentreWare IS, the following is required:

- Windows Server 2003/XP/2000/98SE, Mac OS 9/X 10.2 and later, Linux
- Microsoft Internet Explorer version 5.5 or later
Netscape Navigator version 7.1 or later
Safari version 1.0 or later



An ethernet connection is recommended because it enables direct access to CentreWare IS. You cannot access CentreWare IS using a local (USB or Parallel) connection.

- TCP/IP communication software (used by CentreWare IS) installed on your PC
- An ethernet network, to which both your PC and the printer are connected

Setting Up the Printer Web Page

Setting up the printer web page to run on your network involves two basic steps:

- Determine the name or address of your printer.
- Set up the “no proxy” preferences in your browser software.

Determining the Printer Name

The printer web page can be accessed in two ways:



The printer names can also be determined via WINS if the network supports it.

- Through the assigned name of the printer—This name comes from the IP host table (the filename is **hosts**) on the computer system and is usually assigned by the system administrator (for example, Phaser 6120). It may be more convenient for you to use the printer name than the IP address.

Location of the Host Table on the PC

- Windows Server 2003/XP \windows\system32\drivers\etc\hosts
 - Windows Me/98SE \windows\hosts
 - Windows 2000/NT4.0 \winnt\system32\drivers\etc\hosts
- Through the printer's IP address—The IP address of your printer is a unique number and, therefore, may be the preferred identification to enter, especially if you have more printers active in your network. The printer's IP address is listed on the configuration page.

Location of the Configuration Page in the Printer's Configuration Menu

- MENU PRINTABLE PAGES MENU/CONFIGURATION

Setting Up Your Browser Software

Since your printer resides on your intranet and is not accessible beyond the firewall of your network, you must set up the proper “preferences” in your browser software. Your printer name or IP address must be added to the “no proxy” list in the preferences dialog box of the browser.



You only need to do this procedure once.

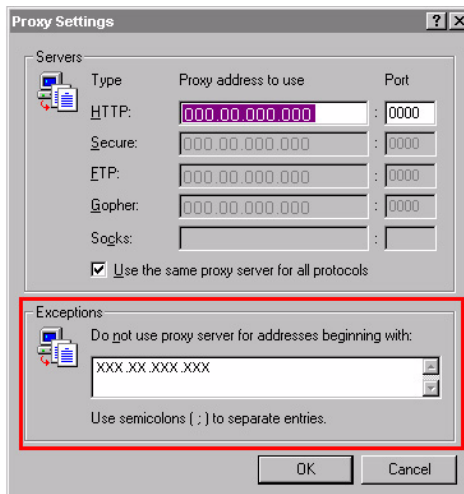
The sample screens below may be different from yours depending on software versions and operating systems in use.



Our examples represent the IP address of the printer with: xxx.xxx.xxx.xxx. Always enter your printer's IP address without leading zeros. For example, 192.168.001.002 should be entered as 192.168.1.2.

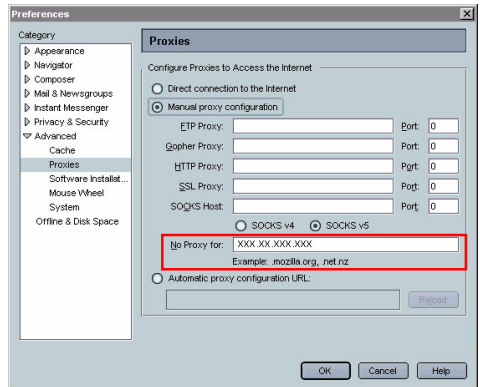
Internet Explorer (version 6.0 for Windows)

- 1 Start Internet Explorer.
- 2 From the **Tools** menu choose **Internet Options**.
- 3 Select the **Connections** tab on the dialog box.
- 4 Choose the **LAN Settings** button to display the Local Area Network (LAN) Settings dialog box.
- 5 Select **Advanced** in Proxy server to open the Proxy Settings dialog box.
- 6 In the **Exceptions** text box, type a comma after the last entry and then type the printer name or the IP address of your printer.
- 7 Choose **OK** three times to return to the main browser window.
- 8 Enter the printer's IP address in the URL Address box to access the printer home page.



Netscape Navigator (version 7.1)

- 1 Start Netscape Navigator.
- 2 From the **Edit** menu choose **Preferences**.
- 3 Select the **Advanced/Proxies** directory from the left pane of the dialog box.
- 4 Select the **Manual Proxy Configuration** radio button.
- 5 In the **No Proxy for:** text box, type a comma after the last entry, and then type the printer name or the IP address of your printer.
- 6 Choose **OK** to return to the main browser window.
- 7 Enter the printer name or IP address in the URL Location box to access the printer home page.

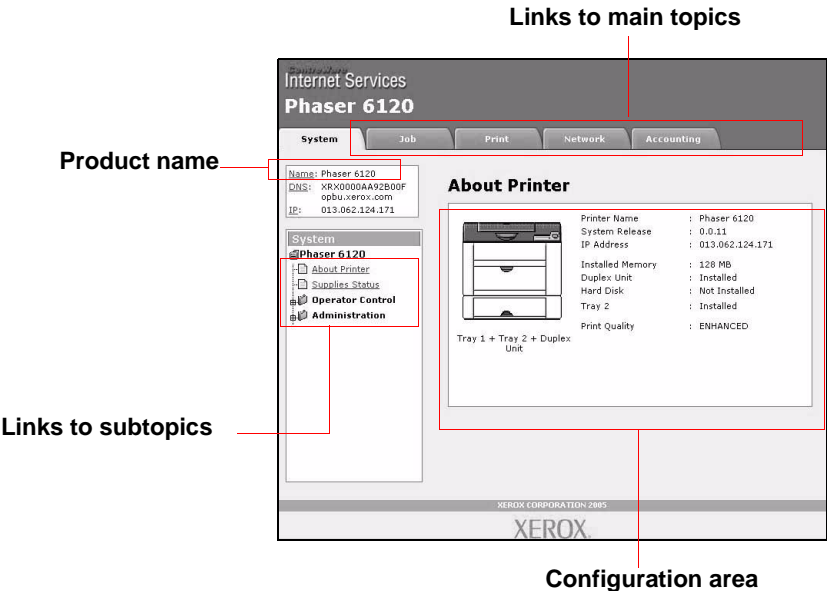


Safari (version 1.1)

- 1 From the **Apple** menu, choose **Location**, and then click **Network preferences**.
- 2 Click the **Proxies** tab in the Network preferences dialog box.
- 3 In the **Bypass proxy settings for these Hosts & Domains** list, type in the name or IP address of the printer.
- 4 Click **Apply Now**.
- 5 In the URL address bar, type in the name or IP address of the printer to access the printer's web page.

Understanding the CentreWare IS Window

The illustration below identifies the navigation and configuration areas of the CentreWare IS window.



Navigation

Selecting the main topic and subtopic displays the configuration area for the printer options (parameters) associated with your selections.





To change a current setting, click on the current setting and then select from the available choices or enter the new value.



If you do not set the printer to have a password, the default is for all the settings to be available. In order to apply or save any changes made to the configuration settings, CentreWare IS must be logged in from Administrator Mode. (For details, see “Administrator Mode - Security Enabled” on page 119.)

Current Status

The current status of the printer is displayed at the top of all CentreWare IS windows. The icon displays the type of status being displayed.

Icon	Status	Description	Examples
	Ready	The printer is online and either ready to print or printing.	READY WARMING UP PRINTING
	Warning	The printer needs attention, but printing continues.	C TONER LOW
	Error	The printer needs attention before printing can resume.	PUT A4 PLAIN TRAY 1 REPLACE C TONER PAPER JAM TRAY 2
	Caution	The printer must be rebooted. If that does not fix the error, service is required.	SERVICE CALL 04



By default, security is set to Disabled. If CentreWare IS is accessed while security is Disabled, all users can view and change or submit settings on the printer. When security is set to Enabled, users have to login to submit any changes.

User Mode - Security Enabled

You automatically enter User Mode whenever you enter CentreWare IS. In User Mode you can view configuration settings but not change them.

Administrator Mode - Security Enabled

In order to change any configuration settings through CentreWare IS, you must first enter Administrator Mode:

- 1 Type the password in the **Admin Password** text box.



*The default password is "SYSADMIN"; however, once you have logged on in Administrator Mode, the password can be specified in the **System/Administration/Security** window.*

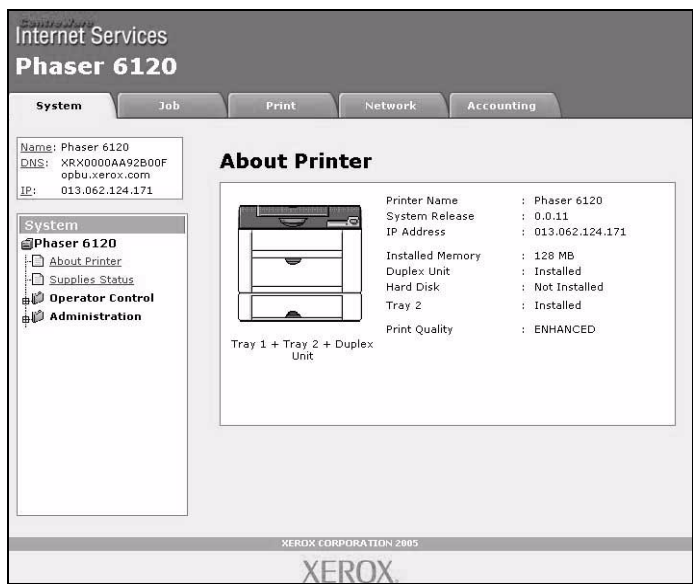
- 2 Click the **Login** button.

If you type an incorrect password, the following message displays:
"Invalid Password Please check your input and try again !" Retype the password.

Configuring the Printer


The Configuration page enables you to view and change the configuration settings of the printer.

System Page



About Printer (shown above)

The **System/About Printer** window provides the following information:

Item	Description
Printer Name/Status	Shows the name assigned to your printer, and displays the current status of the printer-just as it is displayed on the printer's control panel.  <i>The status display enables you to remotely identify possible printer problems, such as out of paper and out of toner.</i>
Device Status (Product image)	Identifies the type of printer that you are browsing. The printer is pictured in the illustration with all installed options.

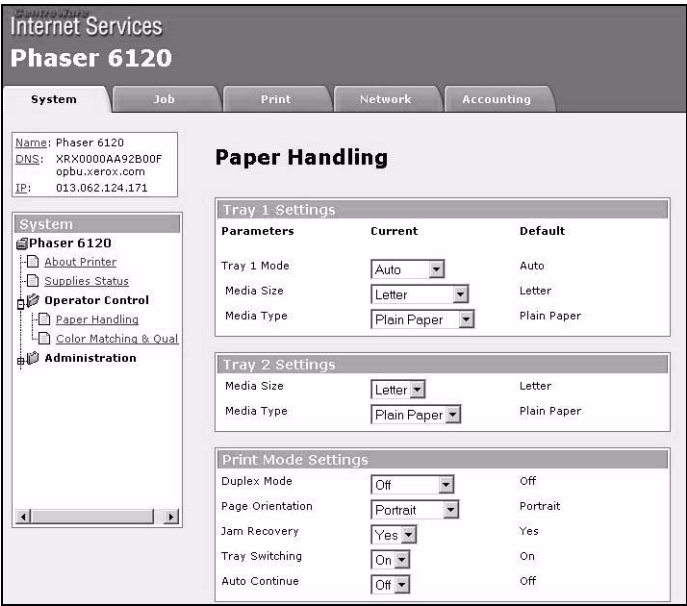
Item	Description
System Release	Displays the release version of the system code.
IP Address	Identifies the IP address of the printer.
Installed Memory	Displays the amount of memory installed in the printer.
Duplex Unit	Identifies whether the duplex option is “Installed” or “Not Installed.”
Hard Drive	Identifies whether the optional hard drive is “Installed” or “Not Installed.”
Tray 2	Identifies whether the optional Tray 2 is “Installed” or “Not Installed.”
Print Quality	Displays the current Print Quality setting.



*All of the information displayed on the **System Page/About Printer** is read-only, however, some of the items (such as the media type), are configurable on other pages.*

Operator Control

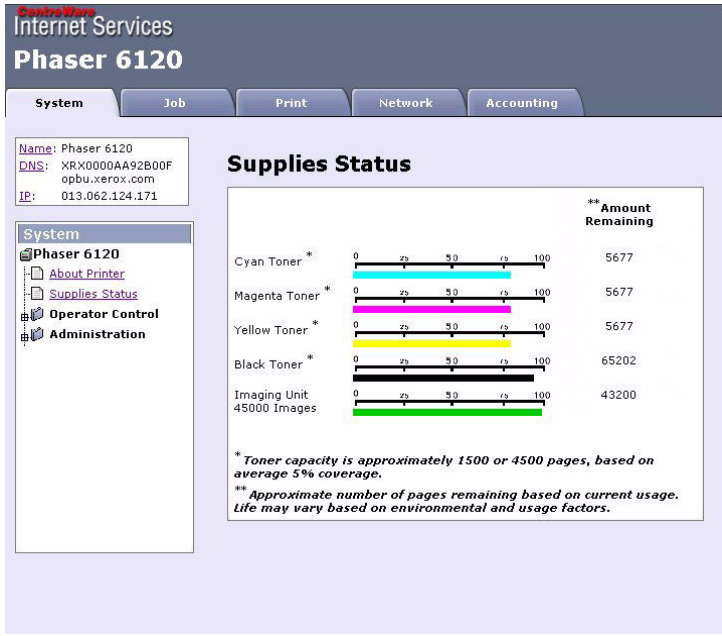
Paper Handling




The **System/Operator Control/Paper Handling** window enables you to view and change the current paper handling option settings. The settings are arranged in 2 columns: Current and Default.

Item	Description
Tray 1 Settings	
Tray 1 Mode	Configures Tray 1 settings to be defined by the keypad in CASSETTE mode or to be automatically overridden by the driver in AUTO mode. Choices: Auto, Cassette Default: Auto Configuration Menu Equivalent: MENU PAPER MENU/INPUT TRAY/ TRAY 1 MODE


Supplies Status




The **System/Supplies Status** window provides the following information:

Item	Description
Consumable items	Identifies the type of consumable that is being monitored.
Status bars	Graphically represent the remaining life of the identified consumable item.
Amount Remaining	<div>Describes the remaining life of the consumable item in page or face counts.</div> <div> <i>Page counts are based on 5% toner coverage for each page. If your pages average more than 5% coverage, the remaining life is less than the page count displayed.</i></div>

Item	Description
Media Size	Identifies the media size currently set in the media tray. Configuration Menu Equivalent: MENU PAPER MENU/INPUT TRAY/ TRAY 1 MODE/MEDIA SIZE
Media Type	Identifies the media type currently set in the media tray. Configuration Menu Equivalent: MENU PAPER MENU/INPUT TRAY/ TRAY 1 MODE/MEDIA TYPE
Tray 2 Settings	
Media Size	Identifies the media size currently set in the media tray. Configuration Menu Equivalent: MENU PAPER MENU/INPUT TRAY/ TRAY 1 MODE/MEDIA SIZE
Media Type	Identifies the media type currently set in the media tray. Configuration Menu Equivalent: MENU PAPER MENU/INPUT TRAY/ TRAY 1 MODE/MEDIA TYPE

Item	Description
Print Mode Settings	
Duplex Mode	<p>Duplex printing enables you to print on both sides of the media. Choices are</p> <ul style="list-style-type: none"> ■ Off: Prints simplex pages. ■ Short edge: Prints duplex pages so pages can be bound at the short edge. ■ Long edge: Prints duplex pages so pages can be bound at the long edge. <p>Choices: Off, Short edge, Long edge Default: Off Configuration Menu Equivalent: MENU PAPER MENU/DUPLEX</p> <p> <i>A duplex unit must be installed to use the duplex feature.</i></p>
Page Orientation	<p>Identifies the page orientation that the printer should use. Choices are</p> <ul style="list-style-type: none"> ■ Portrait: Vertical orientation (longest side of media vertical) ■ Landscape: Horizontal orientation (longest side of media horizontal) <p>Choices: Portrait, Landscape Default: Portrait Configuration Menu Equivalent: MENU PAPER MENU/ORIENTATION</p>
Jam Recovery	<p>When this feature is enabled (On), following the clearing of a media jam the printer reprints any pages that did not progress to the output bin when the media jam occurred.</p> <p>Choices: Off, On Default: On Configuration Menu Equivalent: MENU PAPER MENU/PAGE RECOVERY</p>

Item	Description
Tray Switching	<p>Tray Switching enables the printer to switch from one paper source to another when the initial paper source is empty. You can turn Tray Switching on by selecting Yes. Selecting No turns Tray Switching off.</p> <p>Choices: No, Yes Default: Yes Configuration Menu Equivalent: MENU PAPER MENU/INPUT TRAY/ TRAY SWITCHING</p> <p> <i>The optional Tray 2 must be installed to use this setting. Both trays should also have the same media size and media type installed (unless Auto Continue is used - see Auto Continue for more information).</i></p>
Auto Continue	<p>Configures the printer for automatically continuing printing if the media tray has a different media size or media type than what the print job requests.</p> <p>If Off is selected, the Auto Continue feature is disabled. When the requested tray empties, printing will stop until you've identified the media to be used to complete the print job.</p> <p>If On is selected, the Auto Continue feature is enabled. When the requested tray empties, the printer will automatically adjust for the media installed (or for the media installed in the second tray if tray chaining is active) and continue printing.</p> <p>Choices: On, Off Default: Off Configuration Menu Equivalent: MENU PAPER MENU/INPUT TRAY/ AUTO CONTINUE</p>
Custom Paper Size Defaults	
Width	<p>Sets the width measurement for custom paper sizes.</p> <p>Range: 92 - 216 mm (3.62 - 8.50 in.) Default: 92 mm (3.62 in.) Configuration Menu Equivalent: MENU PAPER MENU/INPUT TRAY/ CUSTOM/WIDTH</p>

Item	Description
Height	<p>Sets the height measurement for custom paper sizes.</p> <p>Range: 5.83 - 14.02 in. (148 - 356 mm)</p> <p>Default: 5.83 in. (148 mm)</p> <p>Configuration Menu Equivalent:</p> <p style="padding-left: 40px;">MENU PAPER MENU/INPUT TRAY/ CUSTOM/LENGTH</p>
Save Changes	Saves and applies any changes made.
Discard Changes	If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.
Set as Default button	Saves the changes made to Custom values.
Restore Default button	Restores the Custom values to the ones saved in custom defaults.
Restore Factory button	Changes all settings to the Factory values.

Color Matching & Quality

Internet Services

Phaser 6120

System

Job

Print

Network

Accounting

Name: Phaser 6120

DNS: XR0000AA92B00F

opbu.xerox.com

IP: 013.062.124.171

System

Phaser 6120

About Printer

Supplies Status

Operator Control

Paper Handling

Color Matching & Qual

Administration

Color Matching & Quality

Print Mode Settings

Parameters	Current	Default
Print Quality	ENHANCED	ENHANCED
Color Mode	Color	Color
Toner Out Action	Stop	Stop

Density Control

Cyan	3	3
Magenta	3	3
Yellow	3	3
Black	3	3

Save Changes

Discard Changes

Set as Default

The **System/Operator Control/Color Matching & Quality** window enables you to view and change the current paper handling options. The settings are arranged in 2 columns: Current and Default.

Item	Description
Print Mode Settings	
Print Quality	<div>Used to select the printing resolution. Choices are</div> <ul style="list-style-type: none">■ Standard: 600 dpi (dots per inch) color■ High: 2400 dpi■ Default: High <div>Configuration Menu Equivalent:</div> <div>MENU SYSTEM DEFAULT/PRINT QUALITY</div>

Item	Description
Color Mode	<p>Sets the mode to use color or monochrome output.</p> <p>Choices: Color, Grayscale Default: Color Configuration Menu Equivalent: MENU SYSTEM DEFAULT/COLOR MODE</p>
Toner Out Action	<p>Determines if the printer continues accepting jobs sent to it when a low toner condition occurs.</p> <p>Choices: Stop, Continue Default: Stop Configuration Menu Equivalent: MENU QUALITY MENU/TONER OUT ACTION</p>
Density Control	<p>Adjusts toner (color) density of each color (cyan, magenta, yellow, and black). The higher the value, the higher the density of the color.</p> <p>Range: 1 - 5 Default: 3 Configuration Menu Equivalent: MENU QUALITY MENU/DENSITY CONTROL</p>
Save Changes	Saves and applies any changes made.
Discard Changes	If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.
Set as Default button	Saves the changes made to Custom values.
Restore Default button	Restores the Custom values to the ones saved in custom defaults.
Restore Factory button	Changes all settings to the Factory values.

Administration

Startup Options & Resets

ControlPanel

Internet Services

Phaser 6120

SystemJobPrintNetworkAccounting

Name: Phaser 6120

DNS: XRX0000AA92B00F
opbu.xerox.com

IP: 013.062.124.171

System

Phaser 6120

About Printer

Supplies Status

Operator Control

Administration

Startup Options & Res.

Languages

Email Server

Date & Time

Security

Online help

Disk Operations

Configuration Summary

Usage Summary

Startup Options & Resets

User Preferences

Energy Saver30 Minutes

Reset Printer

Printer NamePhaser 6120

SysstartOff

Start PageOn

Resets

None

Restore Factory


Save Custom

Restore Custom

Save Changes

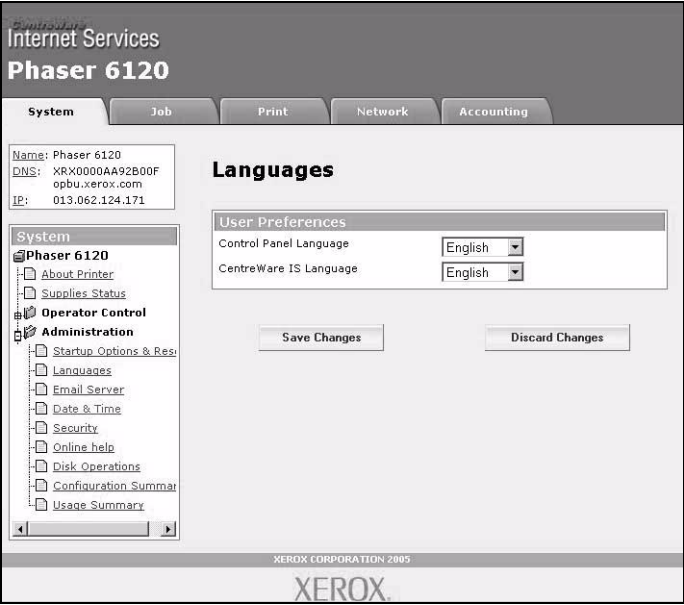
Discard Changes

The **System/Administration/Startup Options & Resets** window provides the following parameters for configuration:

Item	Description
User Preferences	
Energy Saver	<p>If no print jobs are sent to the printer for the time specified by this parameter, the printer's Energy Saver feature is activated.</p> <p>Choices: 15 Minutes, 30 Minutes, 1 Hour, 2 Hours Default: 30 Minutes Configuration Menu Equivalent: MENU SYSTEM DEFAULT/ENERGY SAVER</p> <p> 2 Hours is available on the model for 120 volt.</p>
Reset Printer	Reboots the printer.

Item	Description
Printer Name	Sets the printer name. Default: Phaser 6120
Start Page	Sets the printer to print a startup page when the printer is powered on. Choices: Yes, No Default: No Configuration Menu Equivalent: MENU SYSTEM DEFAULT/STARTUP OPTIONS/STARTUP PAGE
Resets	If None is selected, no action is performed. If Restore Factory is selected, restores the factory default settings of the printer. If Save Custom is selected, saves any changes to the printer parameters as the Custom settings. If Restore Custom is selected, restores the Custom settings of the printer. Choices: None, Restore Factory, Save Custom, Restore Custom Default: None Configuration Menu Equivalent: MENU SYSTEM DEFAULT/RESTORE/ SAVE
Save Changes	Saves and applies any changes made.
Discard Changes	If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.

Languages



The **System/Administration/Languages** window provides the following parameters for configuration:

Item	Description
User Preferences	
Control Panel Language	Identifies the language of the control panel located on the printer. The language selections appear on the printer control panel in the corresponding language, for example, GERMAN appears as DEUTSCH. Choices: English, French, German, Italian, Portuguese, Spanish, Dutch, Swedish Default: English Configuration Menu Equivalent: MENU LANGUAGE

Item	Description
CentreWare IS Language	<p data-bbox="490 121 1040 177">Identifies the language displayed in the CentreWare IS windows.</p> <p data-bbox="490 196 1040 284">The language selections appear in the message window in the corresponding language, for example, GERMAN appears as DEUTSCH.</p> <p data-bbox="490 301 1040 389">Choices: English, French, German, Italian, Portuguese, Spanish Default: English</p>
Save Changes	Saves and applies any changes made.
Discard Changes	If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.

E-Mail Server Settings

Internet Services

Phaser 6120

System

Job

Print

Network

Accounting

Name: Phaser 6120

DNS: XR0000AA92B00F

opbu.xerox.com

IP: 013.062.124.171

System

Phaser 6120

About Printer

Supplies Status

Operator Control

Administration

Startup Options & Res.

Languages

Email Server

Date & Time

Security

Online help

Disk Operations

Configuration Summary

Usage Summary

Email Server Settings

Message Settings

From Address:

To:

Subject:

Mail Alerts

Off 1 Minute 30 Minutes 1 Hour Test

SMTP Mail Server

Mail Server Address


000.000.000.000


NOTE: Mail Server IP Address Changes Will Not Take Effect Until The Printer Is Reset.

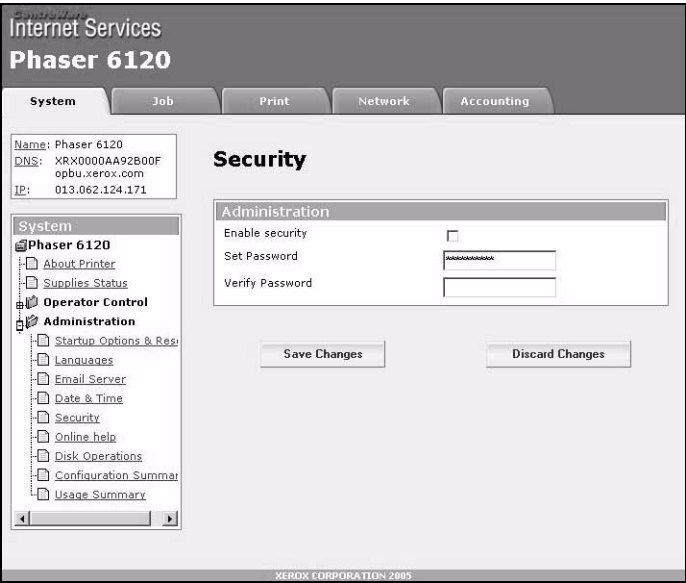
Save Changes

Discard Changes

The **System/Administration/E-Mail Server** window provides the following parameters for configuration:

Item	Description
Message Settings	
From Address	Identifies the From address that appears on email generated by the printer. Default: [Blank]  The value entered for this parameter must comply with RFC formatting standards: <i>name@domain_name</i> Commas, semicolons, colons, and spaces are not allowed.
To	Identifies the destination address of email generated by the printer. Default: [Blank]
Subject	Identifies the subject text that appears on email generated by the printer. Default: [Blank]

Item		Description
Mail Alerts		Identifies how long the printer waits after an error condition before generating and sending an email message. Choices: Off, 1 Minute, 30 Minutes, 1 Hour, Test Default: Off
SMTP Mail Server	Mail Server Address	Identity of your mail server. Default: 000.000.000.000  <i>Changes to this field requires a reboot of the printer before it will work.</i>
Save Changes		Saves and applies any changes made.
Discard Changes		If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.

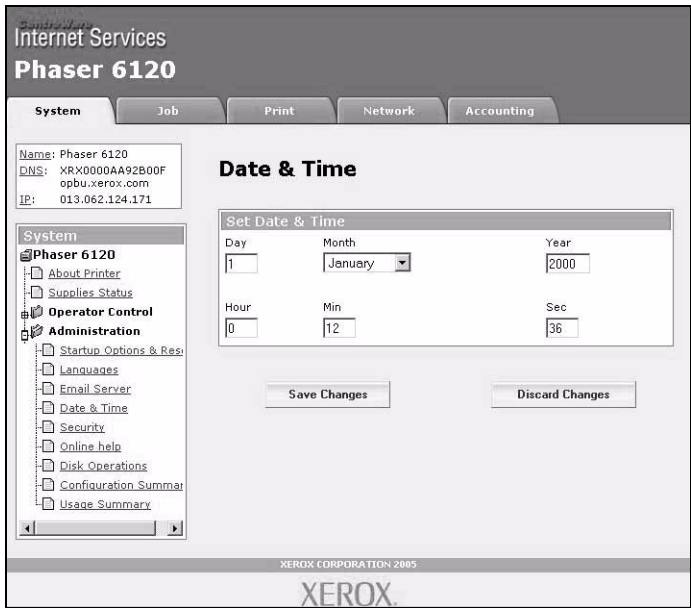


The **System/Administration/Security** window provides the following parameters for configuration:

Item	Description
Administration	
Enable Security	When selected, enables the printer's security feature, which requires users to enter the password to access or change printer information and configuration. Default: [Not checked] Configuration Menu Equivalent: MENU SYSTEM DEFAULT/ SECURITY / CONFIG / ENABLE
Set Password	Sets the printer password. Range: Up to 16 characters Default: SYSADMIN Configuration Menu Equivalent: MENU SYSTEM DEFAULT/ SECURITY / CONFIG / SET PASSWORD

Item	Description
Verify Password	Verifies the password entered in the above field. If the password entered in this field doesn't match the text entered in the Set Password field, the password is not set when the Submit button is selected. Range: Up to 16 characters Default: [Blank]
Save Changes	Saves and applies any changes made.
Discard Changes	If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.

Date & Time



The **System/Administration/Date&Time** window provides the following parameters for configuration:

Item	Description
Set Date & Time	Allows you to enter or select the date and time.
Save Changes	Saves and applies any changes made.
Discard Changes	If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.

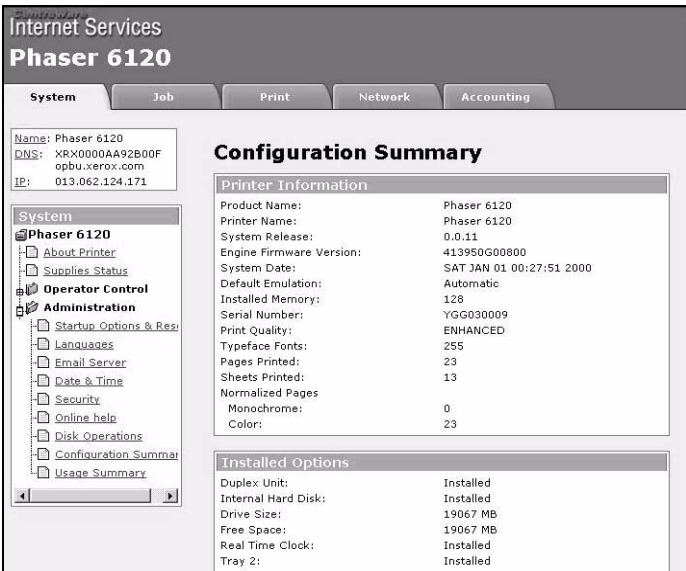


The **System/Administration/Online Help** window provides the following parameters for configuration:

Item		Description
Software Installation	Printer Drivers	Click on this link to download and install the latest Macintosh or Windows drivers.
	Printer Management Software	Click on this link to download and install printer management tools, such as Enterprise Management Solutions and CentreWare Web.

Item		Description
Xerox Links	Knowledge Base	Click on this link for specific solutions for error codes, print quality, color matching, media jams, software installation and much more.
	Register	Click on this link to register your printer.
	Order Supplies	Click on this link to order supplies.
	Xerox Network	Click on this link to go to the printer's home page.
	Color Connection	Click on this link for the latest in color printing ideas, hints and tips.
	Support FAQs	Click on this link for answers to your technical, troubleshooting and service questions.
Printer Documentation		Click on this link to go to the printer documentation.
Information Forwarding		Certain web-based tools rely on printer specific information, such as Firmware Version, ID Number, Serial Number, Page Count, and Status to provide dynamic Web content. Enabling this feature will authorize the printer to send this information to Xerox.
Save Changes		Saves and applies any changes made.
Discard Changes		If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.

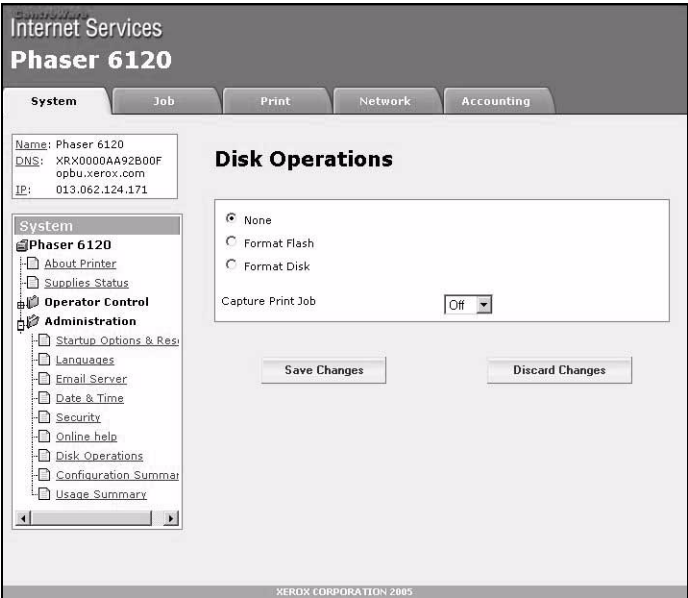
Configuration Summary



The **System/Administration/Configuration Summary** window provides the following information:

Item	Description
Printer Information	Displays the basic printer properties, as well as page counts to date.
Installed Options	Displays all printer options and identifies which options are installed in the printer.
Printer Interfaces	Displays Parallel, USB, and Resident NIC (Network Interface Card) information.
Paper Settings	Displays Tray configuration, duplex setting, and Special Pages information.

Disk Operations



The **System/Administration/Disk Operations** window provides the following parameters for configuration:

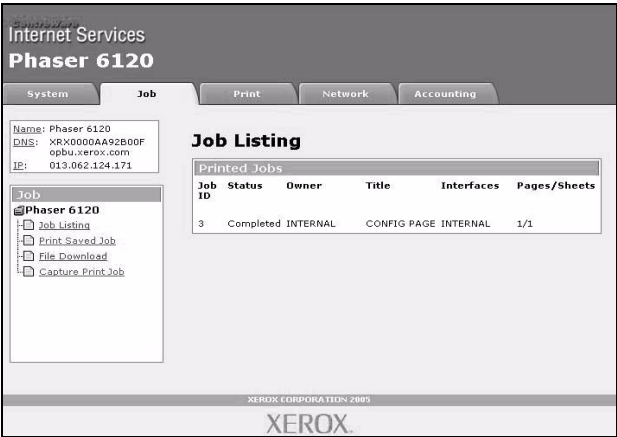
Item	Description
None	No disk operation is performed.
Format Flash	Clears the Flash memory of the printer. Configuration Menu Equivalent: MENU SYSTEM DEFAULT/FORMAT/ FORMAT FLASH
Format Disk	Clears the disk memory of the printer. Configuration Menu Equivalent: MENU SYSTEM DEFAULT/FORMAT/ FORMAT DISK
Capture Print Job	Sets the printer to capture a print job. Choices: On, Off, Print Default: Off
Save Changes	Click this button to perform the selected operation.

Item	Description
Discard Changes	If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.

Job Page

This window enables you to view the status and history of print jobs, print stored jobs, use direct printing and retrieve captured jobs from the hard drive.

Job Listing (shown above)



The **Job/Job Listing** window provides the following information about recent print jobs:

Item	Description
Printed Jobs	
JOB ID	Each job that the printer receives is assigned a unique identification number.
STATUS	Displays the current status of the print job.
OWNER	If known, displays the owner of the print job.
TITLE	If known, displays the title of the print job.
INTERFACES	Displays the printer interface that was used to process the incoming print job.
PAGES/SHEETS	Indicates the number of pages in the print job.

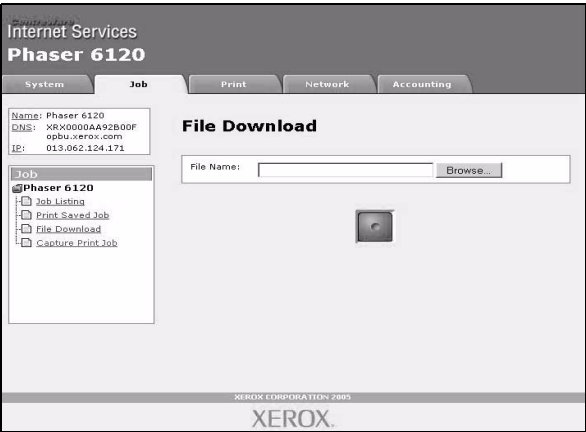
Usage Summary



The **System/Administration/Usage Summary** window provides the following information:

Item	Description
Supplies Status	Displays the statistics of consumable items in the printer.
Page Information	Displays printer statistics grouped by Sheets Printed by Media Size, Sheets Printed by Media Type, Total Normalized Counts and Normalized Coverage Information.
Normalization Information	<p>Normalization is a calculation of coverage based on a letter/A4 size page.</p> <p>For example, Legal paper is 8.5x14 inches which is roughly 1.27 times the area of a letter size page. If the user were to print a legal page with a 10% coverage of cyan, how many letter/A4 pages would that coverage consist of for toner use concerns? The answer is 1.27 times as much - or the toner equivalent of 12.7% coverage on a letter size page.</p>

File Download

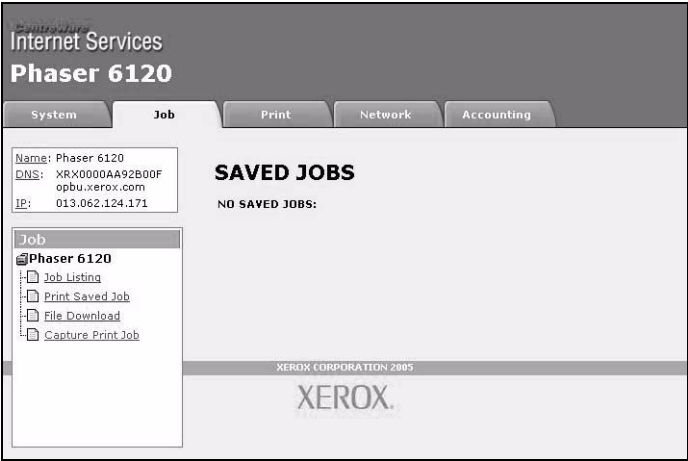


The **Job/File Download** page enables you to print a file directly from the printer without starting up the application.

The following file formats can be printed using direct printing: PDF, TIF, and JPEG.

Item	Description
File Name	Contains the name of the file to be printed.
Browse button	This button enables you to locate the file that you want to print. After selecting a file, the file name appears in the File Name text box.
Submit button	Clicking this button sends the chosen file to the printer for printing.

Saved Jobs

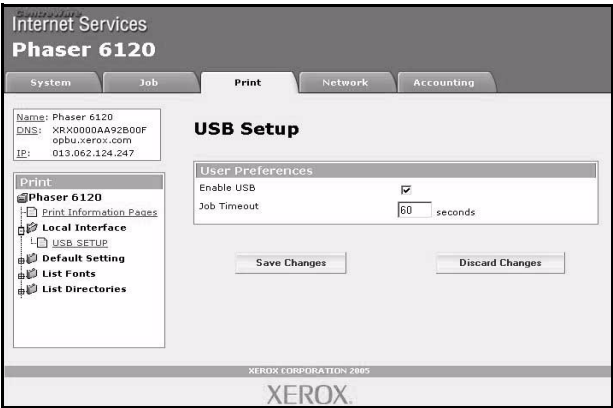


The **Job/Print Saved Job** window provides the following information about recent print jobs:

Item	Description
Saved Jobs	Displays all saved jobs.

USB Setup

The **Print** page enables more detailed printer settings to be specified.



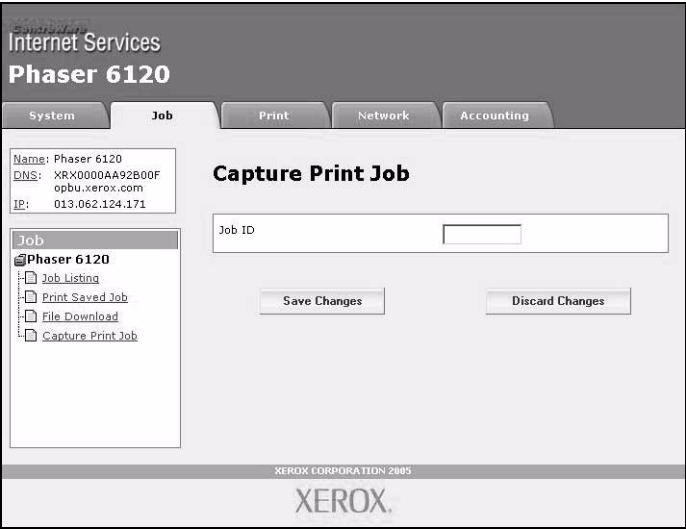
Local Interface

USB (shown above)

The **Print/Local Interface/USB Setup** window provides the following parameters for configuration:

Item	Description
User Preferences	
Enable USB	If selected, enables the parameter settings for USB. Default: [Checked] Configuration Menu Equivalent: MENU INTERFACE MENU/USB/ ENABLE
Job Timeout	Sets the number of seconds the interface waits for further data from the host before terminating a spooled print job. Range: 0 - 999 (in seconds) Default: 60 Configuration Menu Equivalent: MENU INTERFACE MENU/USB/JOB TIMEOUT
Save Changes	Saves and applies any changes made.

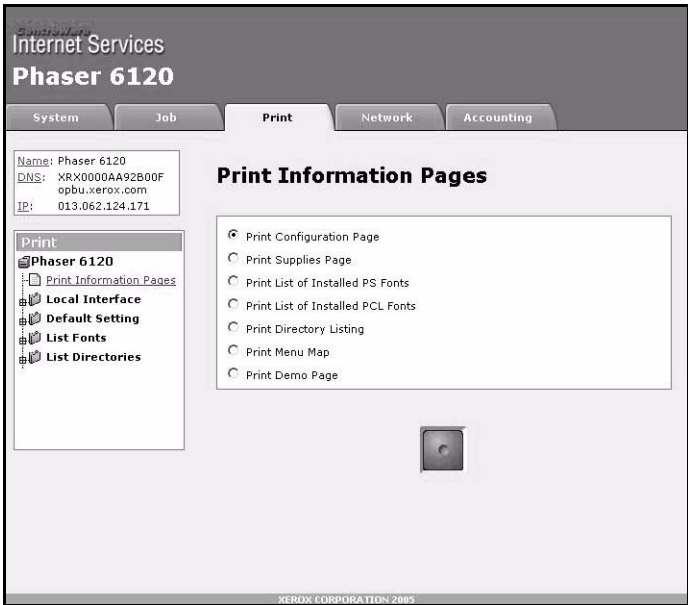
Capture Print Job



The **Job/Capture Print Job** page enables you to print a file directly from the printer without starting up the application.

Item	Description
Job ID	Enter the job ID of the file to be downloaded.
Save Changes	Click this button to perform the selected operation.
Discard Changes	If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.

Print Information Pages



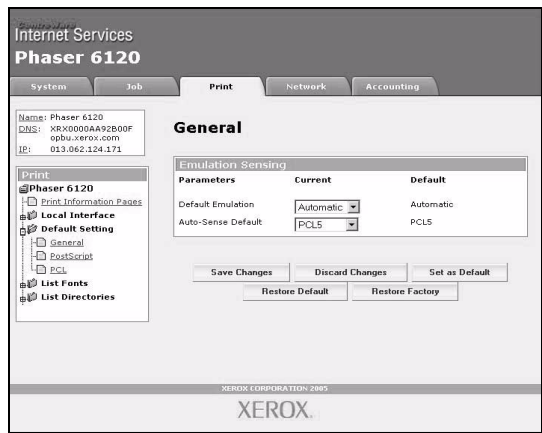
The **Print/Print Information Pages** window provides the following information about recent print jobs:

Item	Description
Print Configuration Page	Internal configuration page print command
Print Supplies Page	Internal statistics page print command
Print List of Installed PS Fonts	Internal PS font list print command
Print List of Installed PCL Fonts	Internal PCL font list print command
Print Directory Listing	Internal directory list page print command
Print Menu Map	Internal menu map page print command
Print Demo Page	Internal demo page print command
Print button	Sends the data to the printer.

Item	Description
Discard Changes	If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.

Default Setting

General

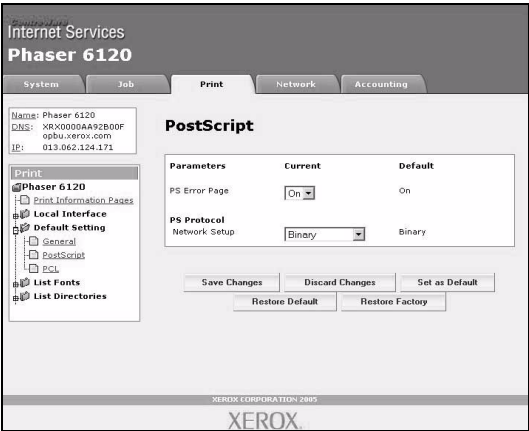


The **Print/Default Setting/General** window provides the following parameters for configuration. The settings are arranged in 3 columns: Current, Custom, Factory.

Item	Description
Emulation Sensing	
Default Emulation	Assigns the selected emulation as the default emulation. The default emulation is used whenever a print job without emulation identification is received. Choices: Automatic, PostScript, PCL5, PCL XL, Hex Dump, PDF Default: Automatic Configuration Menu Equivalent: MENU SYSTEM DEFAULT/ EMULATIONS/DEFAULT

Item	Description
Auto-Sense Default	<p>When Auto is selected as the Default Emulation (see above), the printer samples the incoming print job to try to determine the correct emulation to use for the job. If the printer is unable to discern the emulation of an incoming print job, the setting for this parameter is used as the emulation.</p> <p>Choices: PCL5, PostScript</p> <p>Default: PCL5</p> <p>Configuration Menu Equivalent:</p> <p style="padding-left: 40px;">MENU SYSTEM DEFAULT/ EMULATIONS/AUTO DEFAULT</p>
Save Changes	Saves and applies any changes made.
Discard Changes	If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.
Set as Default button	Saves the changes made to Custom values.
Restore Default button	Restores the Custom values to the ones saved in custom defaults.
Restore Factory button	Changes all settings to the Factory values.

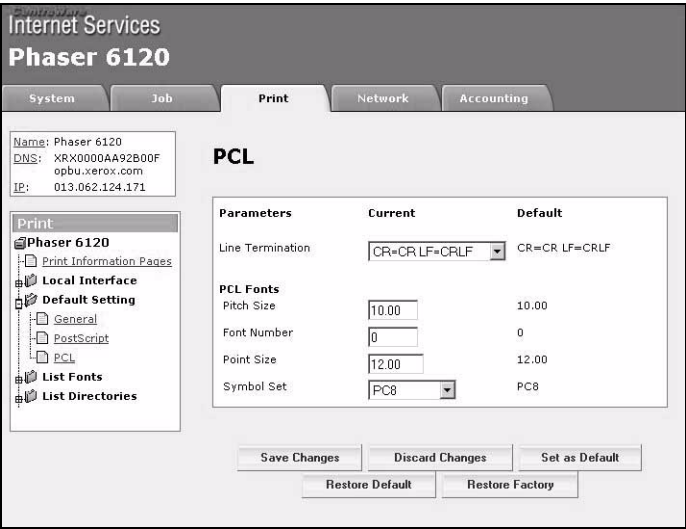
PostScript



The **Print/Default Setting/PostScript** window provides the following parameters for configuration. The settings are arranged in 3 columns: Current, Custom, Factory.

Item	Description
PS Error Page	Print an error page if the print job cannot be printed or creates an error. Choices: On, Off Default: On Configuration Menu Equivalent: MENU SYSTEM DEFAULT/ EMULATIONS/POSTSCRIPT/ERROR PAGE
PS Protocol Ethernet	Sets the binary communications protocol (BCP). Choices: Binary, Quoted Binary Default: Binary Configuration Menu Equivalent: MENU INTERFACE MENU/ ETHERNET/PS PROTOCOL
Save Changes	Saves and applies any changes made.
Discard Changes	If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.
Set as Default button	Saves the changes made to Custom values.

Item	Description
Restore Default button	Restores the Custom values to the ones saved in custom defaults.
Restore Factory button	Changes all settings to the Factory values.



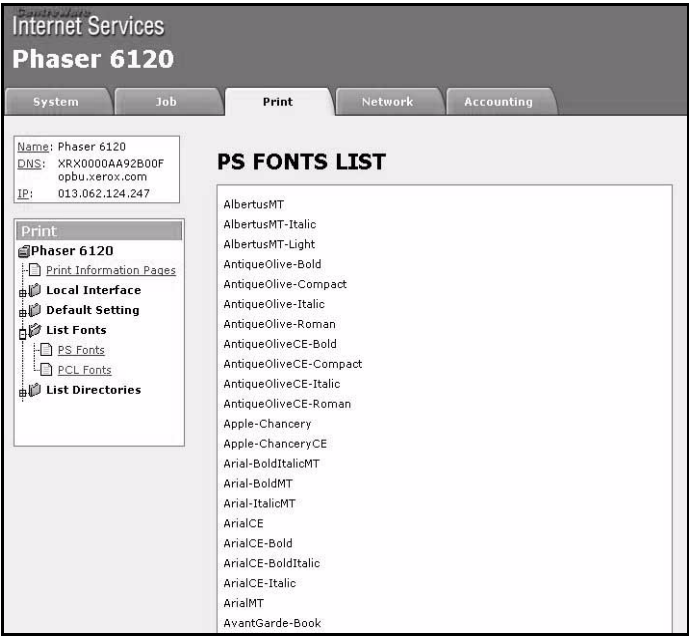
The **Print/Default Setting/PCL** window provides the following parameters for configuration. The settings are arranged in 3 columns: Current, Custom, Factory.

Item		Description
Line Termination		Sets the line termination value. Choices: CR=CR LF=CRLF, CR=CR LF=LF, CR=CRLF LF=LF, CR=CRLF LF=CRLF Default: CR=CR LF=CRLF Configuration Menu Equivalent: MENU SYSTEM DEFAULT/ EMULATIONS/PCL/LINE TERMINATION
PCL Fonts	Pitch Size	Controls the font pitch in characters per inch (cpi). Range: Up to 4 characters (0.44 - 99.99) Default:10.00 Configuration Menu Equivalent: MENU SYSTEM DEFAULT/ EMULATIONS/PCL/FONT/PITCH SIZE

Item		Description
	Font Number	Identifies the PCL font number. Range: Up to 5 characters (0 - 32767) Default: 0 Configuration Menu Equivalent: MENU SYSTEM DEFAULT/ EMULATIONS/PCL/FONT/FONT NUMBER
	Point Size	Controls the height (in points) of the default font. Range: Up to 5 characters (4.00 - 999.75) Default: 12.00 Configuration Menu Equivalent: MENU SYSTEM DEFAULT/ EMULATIONS/PCL/FONT/POINT SIZE
	Symbol Set	Sets the symbol set to be used. Default: PC8 Configuration Menu Equivalent: MENU SYSTEM DEFAULT/ EMULATIONS/PCL/FONT/SYMBOL SET
Save Changes		Saves and applies any changes made.
Discard Changes		If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.
Set as Default button		Saves the changes made to Custom values.
Restore Default button		Restores the Custom values to the ones saved in custom defaults.
Restore Factory button		Changes all settings to the Factory values.

Download Font/Form

List Fonts/PS Fonts



The **Printer/List Fonts/PS Fonts** window displays a list of PostScript fonts installed on the printer.

Configuration Menu Equivalent:

MENU PRINTABLE PAGES MENU/FONT LIST/
POSTSCRIPT

List Fonts/PCL Fonts

The screenshot shows the 'Internet Services' web interface for a 'Phaser 6120' printer. At the top, there are tabs for 'System', 'Job', 'Print', 'Network', and 'Accounting'. The 'Print' tab is selected. On the left, a sidebar menu shows 'Print' expanded, with sub-items: 'Phaser 6120', 'Print Information Pages', 'Local Interface', 'Default Setting', 'List Fonts' (selected), 'PS Fonts', 'PCL Fonts', and 'List Directories'. The main content area is titled 'PCL FONTS LIST' and contains a table of installed fonts and their index values.

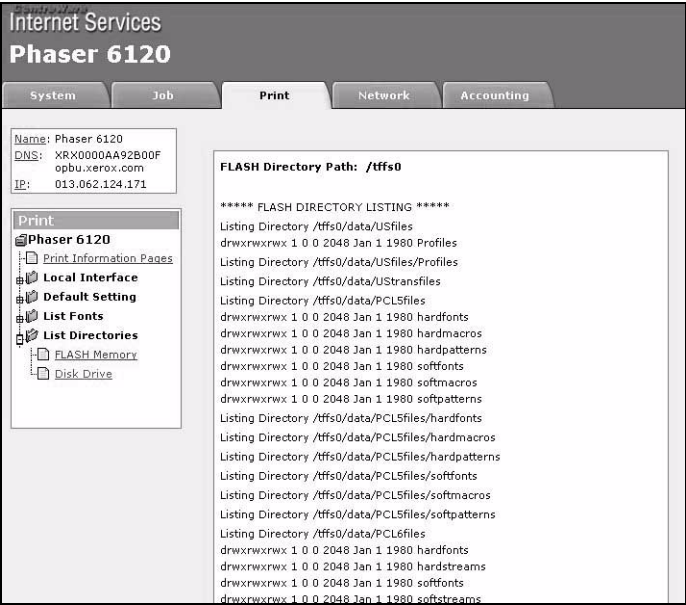
Font Name	INDEX
Courier	00000
Courier Italic	00001
Courier Bold	00002
Courier Bold Italic	00003
Naskh	00004
Naskh Bold	00005
Albertus Medium	00006
Albertus Extra Bold	00007
Antique Olive	00008
Antique Olive Italic	00009
Antique Olive Bold	00010
Arial	00011
Arial Italic	00012
Arial Bold	00013
Arial Bold Italic	00014
Clarendon Condensed Bold	00015
Coronet	00016
Garamond Antiqua	00017
Garamond Kursiv	00018
Garamond Halbfett	00019
Garamond Kursiv Halbfett	00020
Letter Gothic	00021
Letter Gothic Italic	00022
Letter Gothic Bold	00023
Marigold	00024

The **Printer/List Fonts/PCL Fonts** window displays a list of PCL Fonts installed on the printer and also the Index values of each font.

Configuration Menu Equivalent:

MENU PRINTABLE PAGES MENU/FONT LIST/PCL

List Directories/FLASH Memory



The **Printer/List Directories/FLASH Memory** window displays the list of files currently installed in the printer's flash memory.

Configuration Menu Equivalent:

MENU PRINTABLE PAGES MENU/DIRECTORY LIST

Network Page

The Network page enables you to configure network settings.

Internet Services

Phaser 6120

SystemJobPrintNetworkAccounting

Name: Phaser 6120

DNS: XR0000AA92B00F
opbu.xerox.com

IP: 013.062.124.171

Network

Phaser 6120

TCP/IP

NetWare (IPX/SPX)

EtherTalk

IPP

SNMP

SSL/TLS

ETHERNET-TCP/IP

TCP/IP Settings

Enable TCP/IP

☒

IP Address

013.062.124.171

Subnet Mask

255.255.248.000

Default Router

013.062.120.001

Automatic IP Settings

Enable DHCP/BOOTP

☒

Enable PING/ARP

☒

Enable AUTO IP

☐

Printing Protocols

Enable FTP

☒

Enable Port 9100

☒

Save Changes

Discard Changes

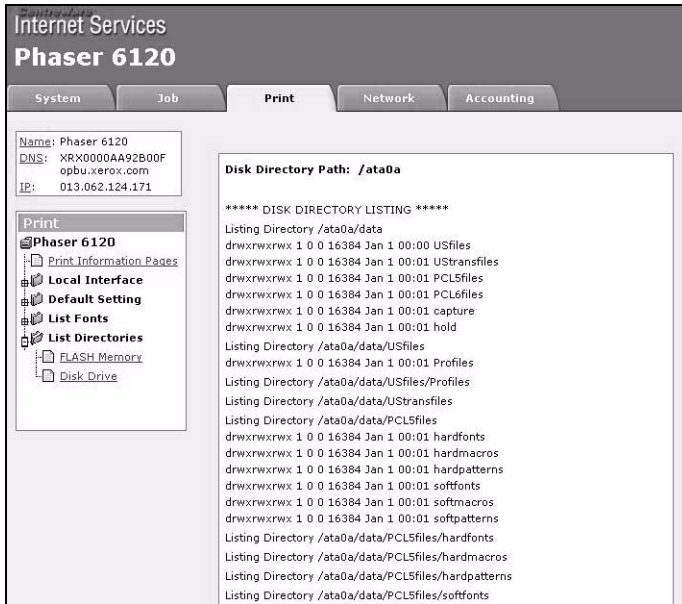
Ethernet

TCP/IP (shown above)

The **Network/TCP/IP** window provides the following parameters for configuration:

Item	Description
TCP/IP Settings	
Enable TCP/IP	Enables the settings for TCP/IP. Default: [Checked] Configuration Menu Equivalent: MENU INTERFACE MENU/ETHERNET/ TCP / IP / ENABLE

List Directories/Disk Drive



The **Printer/List Directories/Disk Drive** window displays the list of files currently installed in the printer's flash memory.

Configuration Menu Equivalent:

MENU PRINTABLE PAGES MENU/DIRECTORY LIST

Item		Description
IP Address		Sets the IP address. Default: 192.168.1.2 Configuration Menu Equivalent: MENU INTERFACE MENU/ETHERNET/ TCP/IP/IP ADDRESS
Subnet Mask		Sets the subnet mask address. Default: 000.000.000.000 Configuration Menu Equivalent: MENU INTERFACE MENU/ETHERNET/ TCP/IP/SUBNET MASK
Default Router		Sets the default router IP address. Default: 000.000.000.000 Configuration Menu Equivalent: MENU INTERFACE MENU/ETHERNET/ TCP/IP/DEFAULT ROUTER
Automatic IP Settings	Enable DHCP/BOOTP	Selecting this check box enables DHCP. Default: [Checked] Configuration Menu Equivalent: MENU INTERFACE MENU/ETHERNET/ TCP/IP/DHCP/BOOTP
	Enable PING/ARP	Selecting this check box enables PING/ARP. Default: [Checked]
	Enable AUTO IP	Selecting this check box enables automatic IP detection. Default: ON Configuration Menu Equivalent: MENU INTERFACE MENU/ETHERNET/ TCP/IP/ENABLE AUTO IP
Printing Protocols	Enable FTP	Selecting this check box enables FTP. Default: [Checked]
	Enable Port 9100	Selecting this check box enables Port 9100. Default: [Checked]
Save Changes		Saves and applies any changes made.
Discard Changes		If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.

NetWare (IPX/SPX)

Internet Services

Phaser 6120

SystemJobPrintNetworkAccounting

Name: Phaser 6120

DNS: XRX0000AA92B00F

opbu.xerox.com

IP: 013.062.124.171

Network

Phaser 6120

TCP/IP

NetWare (IPX/SPX)

EtherTalk

IPP

SNMP

SSL/TLS

NetWare Support

Enable NetWare

☒

General Parameters

Ethernet Frame Type

Auto

Operating Mode

Print Server

Print Server Parameters

Print Server Name

XRX0000AA92B00F

Print Server Password

Validate Password

Print Server Mode

NDS

Preferred File Server

Preferred NDS Tree

Preferred NDS Context

Print Server Polling Rate

1

seconds

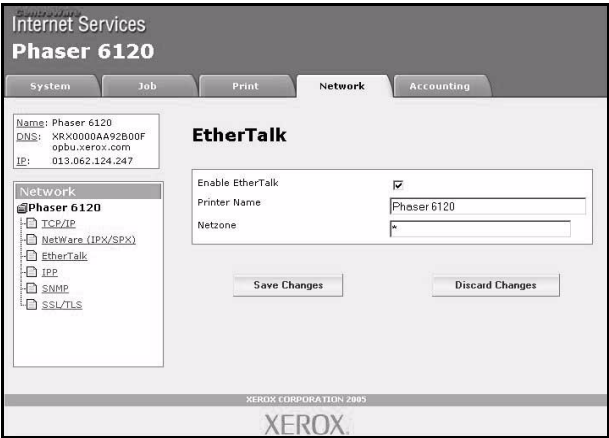
Printer Number

1

The **Network/NetWare (IPX/SPX)** window provides the following parameters for configuration:

Item		Description
Enable NetWare		When selected, enables the NetWare settings. Default: [Checked]
General Parameters	Ethernet Frame Type	Sets the Ethernet Frame Type. Choices: Auto, Ethernet 802.2, Ethernet 802.3, Ethernet II, Ethernet SNAP Default: Auto Configuration Menu Equivalent: MENU INTERFACE MENU/ ETHERNET / IPX / SPX / FRAME TYPE
	Operating Mode	Sets the operating mode. Choices: Print Server, Remote Printer Default: Print Server

Item		Description
Print Server Parameters	Print Server Name	Sets the print server name. Range: Up to 64 characters Default: KMBTxxxxxx (Where x's are last 6 digits of MAC Address of the printer).
	Print Server Password	If the print server requires a password, enter the password in this field. Range: Up to 64 characters Default: [Blank]
	Validate Password	Used to validate the password entered in the Print Server Password field. Range: Up to 64 characters
	Print Server Mode	Sets the print server mode. Choice: Bindery, Both, NDS Default: NDS
	Preferred File Server	Sets the name of the preferred file server. Range: Up to 47 characters Default: [Blank]
	Preferred NDS Tree	Identifies the NDS tree. Range: Up to 48 characters Default: [Blank]
	Preferred NDS Context	Identifies the NDS context. Range: Up to 191 characters Default: [Blank]
	Print Server Polling Rate	Sets the time interval (in seconds) that passes between print server pollings. Range: 1 - 65535 (in seconds) Default: 1
	Printer Number	Allows you to assign a printer number for identification purposes. Range: 0 - 254 Default: 1
Save Changes		Saves and applies any changes made.
Discard Changes		If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.



The **Network/EtherTalk** window provides the following parameters for configuration:

Item	Description
Enable EtherTalk	When selected, enables the parameter settings for EtherTalk. Default: [Checked]
Printer Name	Identifies the printer name. Range: Up to 32 characters Default: Phaser 6120
Netzone	Identifies the zone where the printer is located. Range: Up to 32 characters Default: *
Save Changes	Saves and applies any changes made.
Discard Changes	If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.

Internet Printing Protocol

The screenshot shows the 'Internet Services' window for a 'Phaser 6120' printer. The 'Network' tab is selected, showing the 'IPP Settings' section. On the left, a 'Network' tree lists protocols: TCP/IP (selected), NetWare (IPX/SPX), EtherTalk, IPP, SNMP, and SSL/TLS. The main area contains the following settings:

- Name:** Phaser 6120
- DNS:** XR0000AA92B00F, opbu.xerox.com
- IP:** 013.062.124.247
- Enable IPP:** ☒
- Printer Name:** Phaser6120
- Printer Location:** (empty field)
- Accept IPP Jobs:** Enable (dropdown menu)
- Printer Make & Model:** Xerox Phaser 6120

Below these settings are two tables:

Printer URLs Supported		
Printer URLs	Authentication	Security
http://13.62.124.247/ipp	Requesting User Name	None
http://13.62.124.247:80/ipp	Requesting User Name	None
ipp://13.62.124.247:80/ipp	Requesting User Name	None
http://13.62.124.247:631/ipp	Requesting User Name	None
ipp://13.62.124.247/ipp	Requesting User Name	None
ipp://13.62.124.247:631/ipp	Requesting User Name	None

Operations Supported	
Print Jobs	
Validate Job	
Cancel Job	
Get Job Attributes	
Get Jobs	
Get Printer Attributes	

The **Network/IPP Settings** window provides the following parameters for configuration:

Item	Description
Enable IPP	When selected, enables the parameter settings for IPP. Default: [Checked]
Printer Name	Identifies the printer name. Range: Up to 128 characters Default: Phaser 6120
Printer Location	Identifies the location of the printer. Range: Up to 128 characters Default: [Blank]
Accept IPP Jobs	When Enable is selected, allows the printer to process incoming IPP jobs. Choices: Enable, Disable Default: Enable

Item	Description
Printer Make & Model	Identifies the printer manufacturer and printer model. This text is read-only.
Printer URLs Supported	Displays the URLs supported by the printer. This text is read-only.
Operations Supported	This read-only text lists the operations supported.
Save Changes	Saves and applies any changes made.
Discard Changes	If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.

SNMP

Internet Services
Phaser 6120

System Job Print **Network** Accounting

Name: Phaser 6120
DNS: XR0000AA92B00F
opbu.xerox.com
IP: 013.062.124.247

SNMP Settings

Enable SNMP ☒

SNMP GET

Community Name
Access Read

SNMP SET

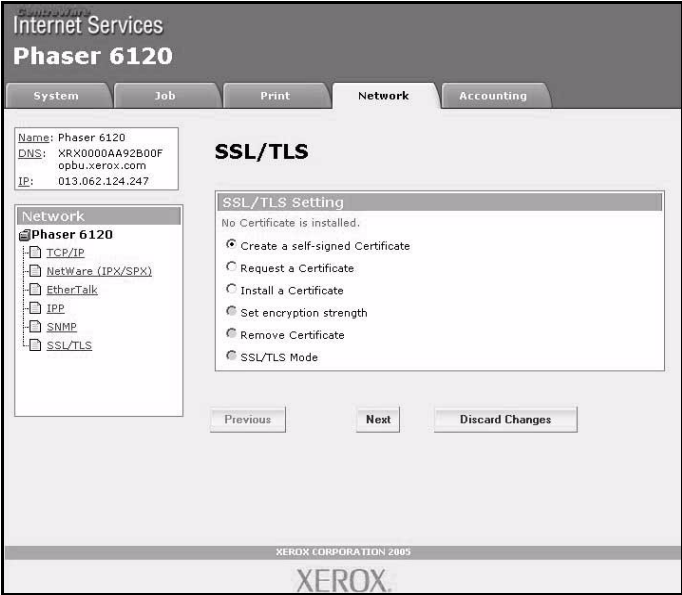
Community Name
Access Read/Write

Save Changes Discard Changes

XEROX CORPORATION 2005
XEROX

The **Network/SNMP** window provides the following parameters for configuration:

Item		Description
Enable SNMP		If selected, enables the parameter settings for SNMP. Default: [Checked]
SNMP GET	Community	Sets the IP community of the printer. Range: Up to 32 characters Default: public
	Access	Identifies Read or Write access.
SNMP SET	Community	Sets the IP community of the printer. Range: Up to 32 characters Default: private
	Access	Identifies Read or Write access.
Save Changes		Saves and applies any changes made.
Discard Changes		If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.



The **Network/SSL/TLS** page enables you to select the following SSL/ TLS settings that appear.

SSL/TLS Information

Internet Services

Phaser 6120

SystemJobPrintNetworkAccounting

Name: Phaser 6120

DNS: XR0000AA92B00F
opbu.xerox.com

IP: 013.062.124.171

Network

Phaser 6120

TCP/IP

NetWare (IPX/SPX)

EtherTalk

IPP

SNMP

SSL/TLS

SSL/TLS

SSL/TLS	ENABLE
Encryption Strength	3DES_168bits,RC4_128bits,DES_56bits or RC4_40bits
Number Of Days (UTC)	2005/06/04 00:00:00-2005/09/03 00:00:00
Organization	Xerox Corporation
Organization Unit	PDD
Locality	Wilsonville
State/Province	Oregon
Country Code	US

Setup

XEROX CORPORATION 2005




The **Network/SSL/TLS Information** page only appears when there is a Certificate installed.

Configuring the Printer

171



As a default, SSL/TLS is not installed. Select **Create a Self-Signed Certificate** and click **Submit** to create a certificate and specify the SSL settings.

Item		Description
SSL/TSL Setting	Create a Self-Signed Certificate	Displays the Self-signed Certificate Setting page.
	Request a Certificate	Displays the Request Certificate Setting Page.
	Install a Certificate	Displays the Install Certificate Setting Page.
	Set Encryption Strength	 Only available if a certificate is currently installed.
	Remove Certificate	 Only available if a certificate is currently installed.
	SSL/TSL Mode	 Only available if a certificate is currently installed.
Previous button		Returns to the previous screen.
Next button		Click to display the selected page.
Discard Changes		If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.

Self-Signed Certificate Setting

Internet Services
Phaser 6120

System Job Print **Network** Accounting

Name: Phaser 6120
DNS: XR0000AA92B00F.opbu.xerox.com
IP: 013.062.124.171

Network

- Phaser 6120
 - TCP/IP
 - NetWare (IPX/SPX)
 - EtherTalk
 - IPP
 - SNMP
 - SSL/TLS**

SSL/TLS

Self-Signed Certificate Setting


Common Name: XR0000AA92B00F.opbu.xerox.com
Organization:
Organization Unit:
Locality:
State/Province:
Country Code:

Start Date: (mm/dd/yyyy hh:mm:ss)
Number Of Days: 30 (1 - 3650)

Encryption Strength: 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits

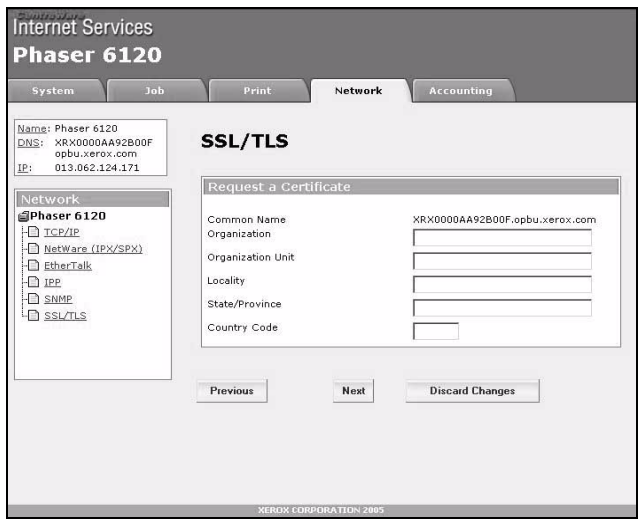
Previous Next Discard Changes

The **Network/SSL/TLS/Self-Signed Certificate Setting** page enables you to create a certificate and specify SSL settings.

Item	Description
Common Name	Identifies the IP address of the printer.  This text is read-only.
Organization	Specify the name of the group or organization. Range: Up to 64 characters Default: [Blank]
Organization Unit	Specify the name of the post. Range: Up to 64 characters Default: [Blank]
Locality	Specify the name of the municipality. Range: Up to 128 characters Default: [Blank]
State/Province	Specify the name of the state or province. Range: Up to 128 characters Default: [Blank]

Item	Description
Country Code	Specify the name of the country as a country code regulated by ISO03166. Range: Up to 2 characters Default: [Blank]
Start Date	Specifies the start date of the Self-Signed Certificate.
Number of Days	Specify the period of validity. Range: 1 - 3650 Default: 30
Encryption Strength	Specify the encryption level. Choices: <ul style="list-style-type: none"> ■ 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits ■ RC4_128bits, DES_56bits or RC4_40bits ■ DES_56bits or RC4_40bits Default: 3DES_168bits,RC4_128bits, DES_56bits or RC4_40bits
Previous button	Returns to the previous screen.
Next button	Click to display the selected page.
Discard Changes	If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.

Request a Certificate

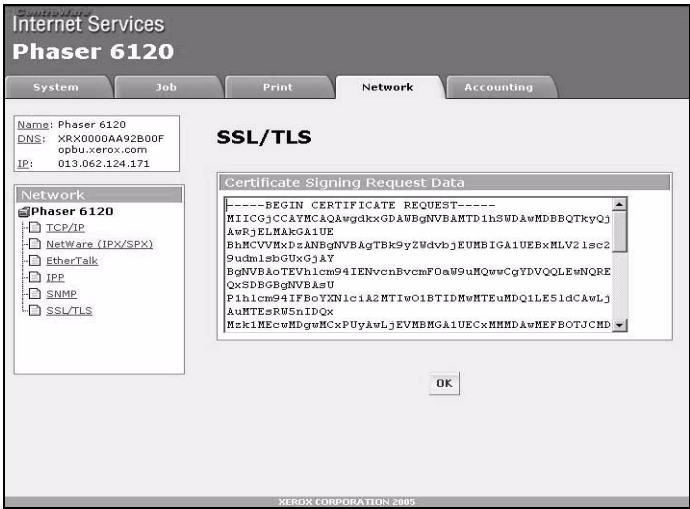


The **Network/SSL/TLS/Request a Certificate** page provides the following parameters for configuration:

Item	Description
Common Name	Displays the IP Address of the printer.
Organization	Specifies the name of the group or organization. Range: Up to 64 characters Default: [Blank]
Organization Unit	Specifies the name of the post. Range: Up to 64 characters Default: [Blank]
Locality	Specifies the name of the municipality. Range: Up to 128 characters Default: [Blank]
State/Province	Specifies the name of the state or province. Range: Up to 128 characters Default: [Blank]

Item	Description
Country Code	Specify the name of the country as a country code regulated by ISO03166. Range: Up to 2 characters Default: [Blank]
Previous button	Click to return to the Network/SSL/TLS page.
Next button	Click to display the selected page.
Discard Changes	If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.

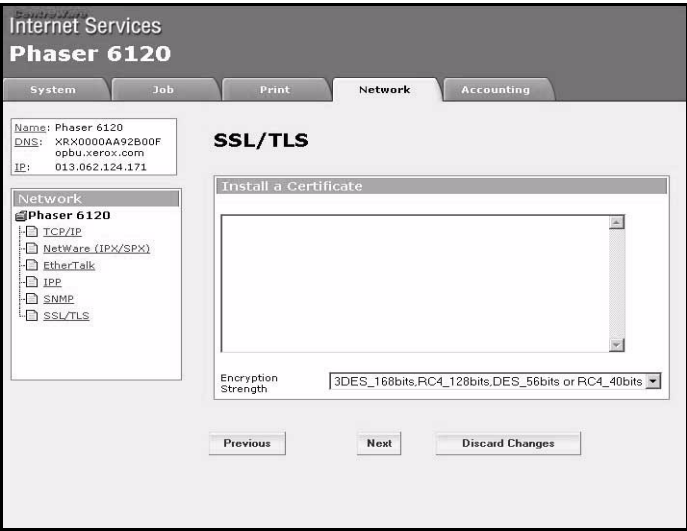
Certificate Signing Request Data



The **Network/SSL/TLS/Certificate Signing Request Data** page displays the data that will be submitted to the certificate authority to request that a certificate be issued.

Item	Description
Certificate Request	Displays the data that will be submitted to the certificate authority to request that a certificate be issued.
OK button	Click to return to the Network/SSL/TLS page.

Install a Certificate



The **Network/SSL/TLS/Install a Certificate** page enables you to install the certificate issued by the certificate authority.

Item	Description
Install a Certificate	Attaches the CSR (certificate signing request) in the text format sent from the certificate authority.
Encryption Strength	<p>Specifies the encryption level.</p> <p>Choices:</p> <ul style="list-style-type: none">■ 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits■ RC4_128bits, DES_56bits or RC4_40bits■ DES_56bits or RC4_40bits <p>Default: 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits</p>
Previous button	Click to return to the Network/SSL/TLS page.
Next button	Click to display the selected page.
Discard Changes	If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.

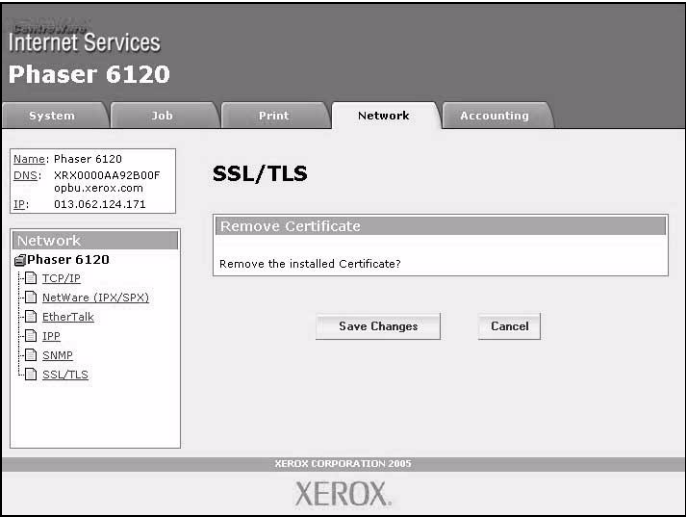
Encryption Strength



The **Network/SSL/TLS/Encryption Strength** page enables you to specify the encryption level.

Item	Description
Encryption Strength	<p>Specifies the encryption level.</p> <p>Choices:</p> <ul style="list-style-type: none">■ 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits■ RC4_128bits, DES_56bits or RC4_40bits■ DES_56bits or RC4_40bits <p>Default: 3DES_168bits, RC4_128bits, DES_56bits or RC4_40bits</p>
Save Changes	Saves and applies any changes made.
Cancel button	Click to return to the Network/SSL/TLS page.

Remove Certificate



The **Network/SSL/TLS/Remove Certificate** page enables you to delete the installed certificate.

Item	Description
Save Changes	Saves and applies any changes made.
Cancel button	Click to return to the Network/SSL/TLS page.

SSL/TLS Mode

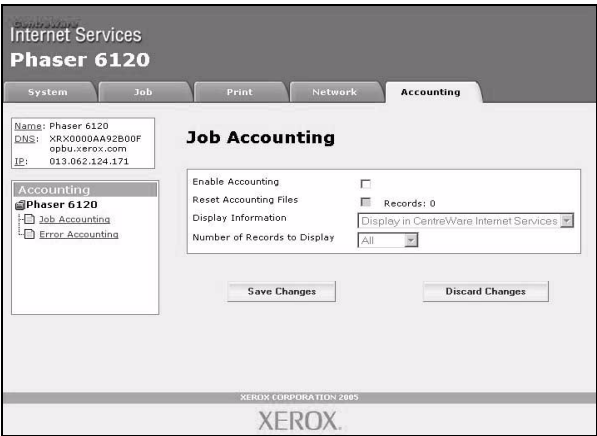


The **Network/SSL/TLS/SSL/TLS Mode** page enables SSL to be enabled or disabled.

Item	Description
SSL/TLS Mode	If Enable is displayed, SSL is enabled. If Disable is selected, SSL is disabled. Choice: Enable, Disable
Save Changes	Saves and applies any changes made.
Cancel button	Click to return to the Network/SSL/TLS page.

Accounting Page

If the optional hard drive is installed in the printer, the **Accounting** window enables you to view accounting reports and reset the Accounting file.



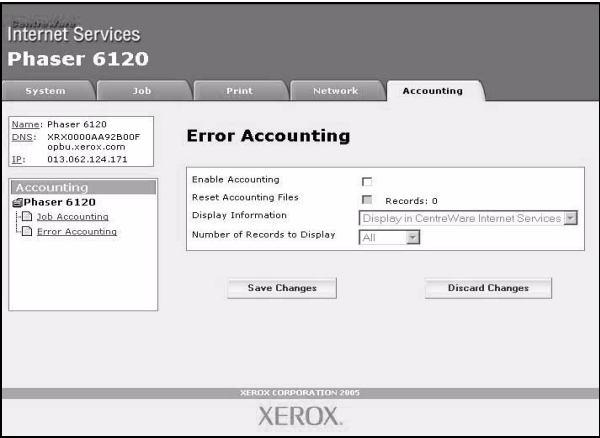
Printer-Based Job Accounting (shown above)

The **Accounting/Printer-Based Job Accounting** page enables you to check details of print jobs.

Item	Description
Enable Accounting	If selected, enables the parameter settings for Accounting. Default: [Checked]
Reset Accounting Files	Resets the accounting file located on the printer's internal hard disk. Default: [Not checked]
Display Information	Sets where the accounting records are to be displayed for your review. Choices: Upload to Host, Display in CentreWare IS Default: Display in CentreWare IS

Item	Description
Number of Records to Display	Sets the number of accounting file records that are to be displayed when Display in CentreWare IS is selected in the Display Information field (described above). Choices: All, Last 10, Last 50, Last 100, Last 250, Last 500, None Default: None
Save Changes	Saves and applies any changes made.
Discard Changes	If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.

Printer-Based Error Accounting



The **Accounting/Printer-Based Error Accounting** page enables you to check details of print errors.

Item	Description
Enable Accounting	If selected, enables the parameter settings for Accounting. Default: [Checked]
Reset Accounting Files	Resets the accounting file located on the printer's internal hard drive. Default: [Not checked]
Display Information	Sets where the accounting records are to be displayed for your review. Choices: Upload to Host, Display in CentreWare IS Default: Display in CentreWare IS
Number of Records to Display	Sets the number of accounting file records that are to be displayed when Display in CentreWare IS is selected in the Display Information field (described above). Choices: All, Last 10, Last 50, Last 100, Last 250, Last 500, None Default: None

Item	Description
Save Changes	Saves and applies any changes made.
Discard Changes	If you made changes to any of the parameter settings but do not wish to apply the changes, selecting this button restores the last submitted parameter settings.

Installing Printer Management Software on Windows



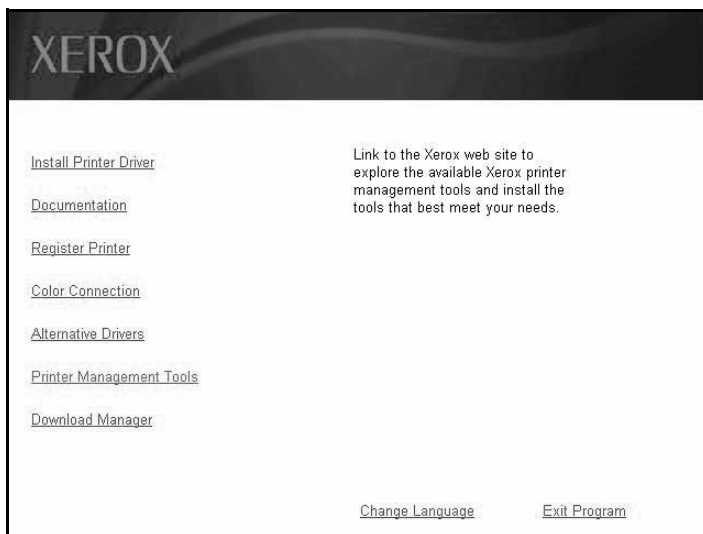
You must have administrator privileges in order to install the Printer Management Software.



Before proceeding with the installation, be sure to exit all running applications.

The following procedure describes how to install the Printer Management Software:

- CentreWare Web
 - Enterprise Management Systems: CentreWare for HP OpenView, CentreWare for Tivoli NetView, CentreWare for Unicenter TNG
- 1 Insert the Phaser 6120 *Software and Documentation CD-ROM* in your CD/DVD-ROM drive.
 - 2 Select your desired language from the list.
 - 3 Select **Printer Management Tools**.



The link will automatically direct you to www.xerox.com/office/pmtools where you can access the different software tools for the printer.

- 4 When you are finished, click **Exit Program** and remove the *Software and Documentation CD-ROM* from your CD-ROM drive and store it in a safe place.

Understanding the Network Setup Menus

6

Accessing the Network Setup

Use the following series of keystrokes at the printer to access the Network Setup menu options on your printer. This menu provides access to all of the configurable network items.

Press this key . . .	(until) the message window reads. . .
<div><div>*</div><div>Menu</div><div>Select</div><div>↵</div></div>	<div>MENU</div> <div>PROOF/PRINTABLE PAGES MENU</div> <div>or if no optional hard drive is installed:</div> <div>MENU</div> <div>PRINTABLE PAGES MENU</div>
<div>▶</div>	<div>MENU</div> <div>INTERFACE MENU</div>
<div><div>*</div><div>Menu</div><div>Select</div><div>↵</div></div>	
<div><div>*</div><div>Menu</div><div>Select</div><div>↵</div></div>	



Restart the printer after changing settings in the Network Setup menu.

Using the Network Setup Menu Options

If the printer is connected to a network, the following settings should be specified. For details about each setting, contact your network administrator.



When manually setting the IP address, Subnet Mask, and Gateway turn off DHCP first.

TCP/IP

Enable

Purpose	Enables or disables TCP/IP. If YES is selected, TCP/IP is enabled. If NO is selected, TCP/IP is disabled.
Options	YES NO
Default	YES

DHCP/BOOTP

Purpose	If there is a DHCP or BOOTP server on the network, specifies whether the IP address and other network information is automatically assigned by the DHCP or BOOTP server.
Options	ON OFF
Default	ON

IP Address

Purpose	Sets the IP address of this printer on the network.
Range	0–255 for each xxx triplet Use the Up and Down keys to increase or decrease each number; use the Left and Right keys to move between triplets.
Default	192.168.001.002

Default Router

Purpose	Sets the address of the router/gateway if a router/gateway is used on your network and you allow users outside your network environment to print on your printer.
Range	0–255 for each xxx triplet Use the Up and Down keys to increase or decrease each number; use the Left and Right keys to move between triplets.
Default	000.000.000.000

Subnet Mask

Purpose	Sets the subnet mask value of the network. The subnet mask enables you to limit access to your printer (for example, according to departmental divisions).
Range	0–255 for each xxx triplet Use the Up and Down keys to increase or decrease each number; use the Left and Right keys to move between triplets.
Default	000.000.000.000

Enable HTTP

Purpose	Specify whether or not HTTP is used. Selecting NO disables CentreWare IS.
Range	YES NO
Default	YES

Enable Auto IP

Purpose	Select whether or not the IP address is automatically acquired when DHCP/BOOTP and PING, ARP are not functioning or when there is no response.
Range	YES NO
Default	YES

IPX/SPX

Frame Type

Purpose	Set the protocol to use for NetWare IPX/SPX.
Range	AUTO 802.2 802.3 ETHER II SNAP
Default	AUTO

EtherTalk

Name

Purpose	Printer Name to find/locate printer on EtherTalk.
Range	Up to 16 characters
Default	Phaser 6120

Name 2

Purpose	Extension of EtherTalk Name to additional 16 characters, making a total of 32 characters, if required.
Range	Up to 16 characters
Default	[Blank]

Netzone

Purpose	Set the Zone Name for EtherTalk.
Range	Up to 16 characters
Default	*

Netzone 2

Purpose	Extension of Netzone to additional 16 characters, making a total of 32 characters, if required.
Range	Up to 16 characters
Default	[Blank]

Ethernet Speed

Purpose	Specifies the transmission speed for the network and the transmission method for bi-directional transmission.
Range	AUTO 100 FULL DUPLEX 100 HALF DUPLEX 10 FULL DUPLEX 10 HALF DUPLEX
Default	AUTO

PS Protocol

Purpose	Configures the port to process PostScript jobs as binary or quoted (tagged) binary.
Range	Binary Quoted Binary
Default	Binary

Replacing the Battery Backup

If the backup battery is dead, the printer's date and time cannot be retained. Follow the procedure described below to replace the backup battery.

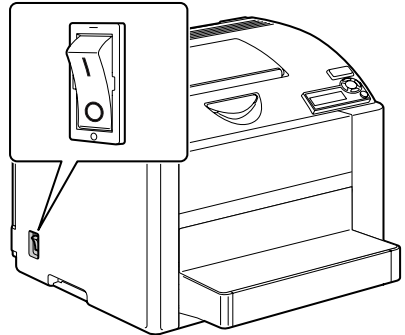
Note:

It's very important to protect the printer controller board and any associated circuit boards from electrostatic damage. In addition, always handle circuit boards by the edges only.

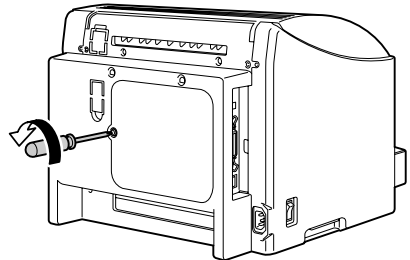
- 1 Turn off the printer and disconnect the power cord and interface cables.



If the duplex option is installed, remove it.



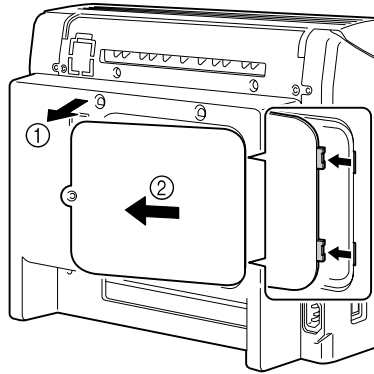
- 2 Using a screwdriver or a coin, remove the screw on the back of the printer.



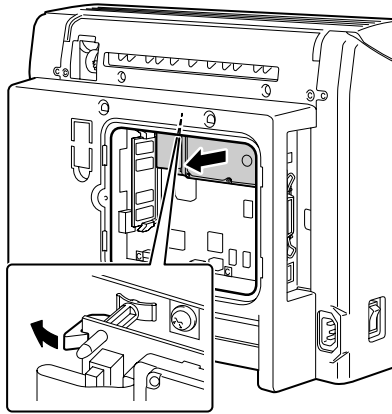
3 Remove the rear panel.



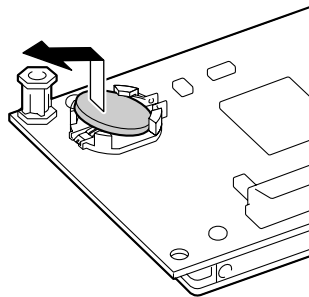
Since there are two hooks on the right side of the panel, remove the rear panel by slightly pulling the left side of the panel toward you, then sliding the panel off to the left.



4 While holding the tab on the hard drive mounting pin slid to the left, remove the hard drive.



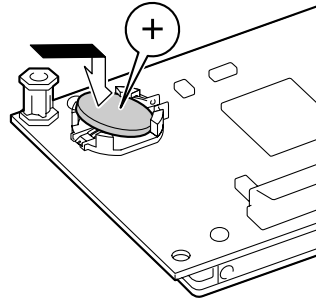
5 Remove the backup battery from the back of the hard drive.



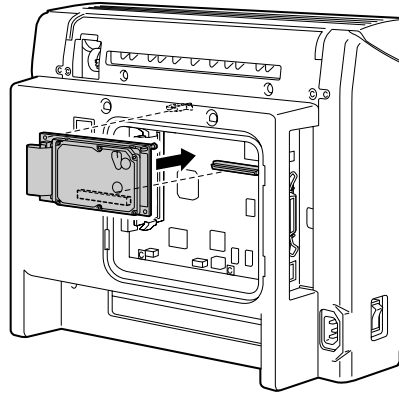
- 6** Install a new backup battery.



When installing the new backup battery, make sure that the + side faces up.



- 7** Attach the hard disk to the printer controller board.



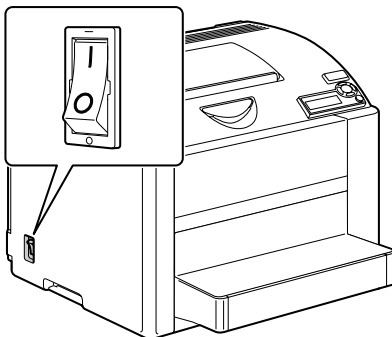
- 8** Reinstall the panel and tighten the screw.



If you removed the duplex unit in step 1, reinstall it.

- 9** Reconnect all interface cables.

- 10** Reconnect the power cord, and turn on the printer.



- 11** From the control panel, select SYSTEM DEFAULT/DATE & TIME, and then set the date and time.

Index

A

Accounting, CentreWare IS, 182
 Printer-Based Error Accounting, 184
 Printer-Based Job Accounting, 182
Administrator mode,
 CentreWare IS, 119
AppleTalk, 31
Auto IP, 192

B

BOOTP, 191

C

Capture Print Job,
 CentreWare IS, 149
CentreWare IS, 114
 Certificate Signing Request Data, 177
 Color Matching & Quality, 128
 Configure Printer, 120

 Current Status, 119
 Date and Time, 138
 Direct Printing, 146
 Disk Operations, 142
 Display language, 114
 EtherTalk, 166
 File Download, 146
 General, 152
 Internet Printing Protocol, 167
 Job Listing, 144
 Languages, 132
 List Directories/Disk Drive, 162
 List Directories/FLASH Memory, 160
 Navigation, 118
 Online Help, 139
 Paper Handling, 122
 Password, 119
 PCL, 156
 PostScript, 154
 Printer-Based Error Accounting, 184
 Printer-Based Job Accounting, 182

- Requirements, 114
- Saved Jobs, 147
- Security, 136
- Self-Signed Certificate Setting, 173
- SNMP, 169
- SSL/TLS Mode, 181
- SSL/TLS Setting, 170
- Startup Options & Resets, 130
- Supplies Status, 123
- TCP/IP, 161
- Usage Summary, 145
- USB, 148
- User Mode, 119
- Window, 118

CentreWare IS

- Administrator mode, 119
- Capture Print Job, 149
- Certificate Request, 175
- Configuration Summary, 141
- E-Mail Server Settings, 134
- Encryption Strength, 179
- Install a Certificate, 178
- List Fonts/PCL Fonts, 159
- List Fonts/PS Fonts, 158
- NetWare (IPX/SPX), 164
- Print Information Pages, 150
- Remove Certificate, 180
- Request a Certificate, 175
- SSL/TLS Information, 171

Certificate Request,

- CentreWare IS, 175**

Certificate Signing Request Data,

- CentreWare IS, 177**

Chooser, 69

Color Matching, CentreWare IS, 128

Configuration Summary,

- CentreWare IS, 141**

D

Date and Time, CentreWare IS, 138

Default Router, 192

DHCP, 191

Direct Printing, CentreWare IS, 146

Disk Operations, CentreWare IS, 142

Download Manager, 22, 63

E

E-Mail Server Settings, CentreWare IS, 134

Encryption Strength, CentreWare IS, 179

Ethernet menu

- Accessing, 190

- Using options, 191

EtherTalk, 193

EtherTalk, CentreWare IS, 166

F

File Download, CentreWare IS, 146

G

Gateway, 192

General, CentreWare IS, 152

H

Host table, 115

HTTP, 192

I

Install a Certificate, CentreWare IS, 178

Installing

- Certificate, 178

- Printer driver, 3, 25, 67, 99

- Printer Management Software, 186

Internet Explorer, 116

Internet Printing Protocol, CentreWare IS, 167

IP address, 191

IPP, 167

IPX/SPX, 164, 193

J

Job Listing, CentreWare IS, 144

Job, CentreWare IS, 144

- Direct Printing, 146

- File Download, 146

- Job Listing, 144

Saved Jobs, 147

Job, CentreWare IS

Capture Print Job, 149

L

Languages, CentreWare IS, 132

Linux

- Adding the printer, 100
- Checking print jobs, 111
- PPD file, installing, 99
- Printer driver settings, 105
- Printer driver settings details, 108
- Printing a Document, 110
- System requirements, 98
- Troubleshooting, 112

List Directories/Disk Drive,

CentreWare IS, 162

List Directories/FLASH Memory,

CentreWare IS, 160

List Fonts/PCL Fonts,

CentreWare IS, 159

List Fonts/PS Fonts,

CentreWare IS, 158

M

Mac OS 9

- Chooser, 69
- Options, 69
- Page setup settings, 71
- Print settings, 74
- Printer driver, installing, 67
- System requirements, 66
- Troubleshooting, 95

Mac OS X

- Download Manager, 63
- Options, 36
- Page setup settings, 38
- Print settings, 42
- Printer driver, installing, 25
- Printer setup utility settings, 28
- System requirements, 24
- Troubleshooting, 61

N

Netscape Navigator, 117

NetWare, 164, 193

NetWare (IPX/SPX),

CentreWare IS, 164

Network Setup menu

- Auto IP, 192
- Default Router, 192
- DHCP/BOOTP, 191
- Ethernet Speed, 194
- EtherTalk, 193
- Gateway, 192
- HTTP, 192
- IP address, 191
- IPX/SPX, 193
- PS Protocol, 194
- Subnet mask, 192
- TCP/IP, 191

Network, CentreWare IS, 161

- Certificate Signing Request Data, 177
- EtherTalk, 166
- Internet Printing Protocol, 167
- Self-Signed Certificate Setting, 173
- SNMP, 169
- SSL/TLS Mode, 181
- SSL/TLS Setting, 170
- TCP/IP, 161

Network, CentreWare IS

- Certificate Request, 175
- Encryption Strength, 179
- Install a Certificate, 178
- NetWare (IPX/SPX), 164
- Remove Certificate, 180
- Request a Certificate, 175
- SSL/TLS Information, 171

O

Online Help, CentreWare IS, 139

P

Page setup settings, 5, 38, 71

- Custom paper size options, 41, 72
- Layout, 9
- Margins, 6

- Page attributes options, 40, 71
- Paper Size, 7
- Paper Source, 8
- Paper Handling, CentreWare IS, 122**
- Password, CentreWare IS, 136**
- PCL, CentreWare IS, 156**
- PostScript, CentreWare IS, 154**
- Print Center, 28**
- Print Information Pages, CentreWare IS, 150**
- Print jobs**
 - Checking, 94, 111
- Print settings**
 - Advanced, 12
 - Background Printing, 78
 - Basic, 13
 - Color Matching, 79
 - ColorSync, 50
 - Copies and Pages, 46
 - Cover Page, 15, 51, 82
 - Error Handling, 52
 - Font Settings, 80
 - General Options, 77
 - Graphic, 91
 - Graphics, 56
 - Image, 55, 90
 - Job Logging, 81
 - Job Types, 87
 - Layout, 14, 47, 85
 - Overlay, 16
 - Paper Feed, 53
 - Paper Handling, 49, 83
 - Print Dialog Contents, 43
 - Print Dialog Options, 74
 - Print Dialog Panes, 44
 - Quality, 18
 - Quality Adjustment Settings, 54, 89
 - Save as File, 84
 - Scheduler, 48
 - Simulation, 58, 93
 - Summary, 60
 - Supply Levels, 59
 - Text, 57, 92
 - Version, 19
 - Watermark, 17, 86
- Print, CentreWare IS, 148**
 - General, 152

- List Directories/Disk Drive, 162
- List Directories/FLASH Memory, 160
- PCL, 156
- PostScript, 154
- USB, 148
- Print, CentreWare IS**
 - List Fonts/PCL Fonts, 159
 - List Fonts/PS Fonts, 158
 - Print Information Pages, 150
- Printer setup utility, 28**
 - AppleTalk, 31
 - IP printing setting, 33
 - Mac OS 10.2.x and later, 30
 - Network connection, 31
 - USB connection, 28
- Printer-Based Error Accounting, CentreWare IS, 184**
- Printer-Based Job Accounting, CentreWare IS, 182**

R

- Remove Certificate, CentreWare IS, 180**
- Replacing Battery Backup, 195**
- Request a Certificate, CentreWare IS, 175**

S

- Safari, 117**
- Saved Jobs, CentreWare IS, 147**
- Security, CentreWare IS, 136**
- Self-Signed Certificate Setting, CentreWare IS, 173**
- SNMP, CentreWare IS, 169**
- SSL/TLS Information, CentreWare IS, 171**
- SSL/TLS Mode, CentreWare IS, 181**
- SSL/TLS Setting, CentreWare IS, 170**
- Startup Options & Resets, CentreWare IS, 130**
- Subnet mask, 192**
- Supplies Status, CentreWare IS, 123**
- System requirements**
 - Linux, 98
 - Mac OS 9, 66

Mac OS X, 24

Windows, 2

System, CentreWare IS

Color Matching & Quality, 128

Date and Time, 138

Disk Operations, 142

Languages, 132

Online Help, 139

Paper Handling, 122

Security, 136

Startup Options & Resets, 130

Supplies Status, 123

Usage Summary, 145

System, CentreWare IS

Configuration Summary, 141

E-Mail Server Settings, 134

T

TCP/IP, 191

TCP/IP, CentreWare IS, 161

Troubleshooting

Linux, 112

Mac OS 9, 95

Mac OS X, 61

Windows, 20

U

Usage Summary, CentreWare IS, 145

USB, CentreWare IS, 148

W

Web page, printer, 115

Browser, 115

Printer name, 115

Windows

Download Manager, 22

Page setup settings, 5

Print settings, 10

Printer driver, installing, 3

System requirements, 2

Troubleshooting, 20