



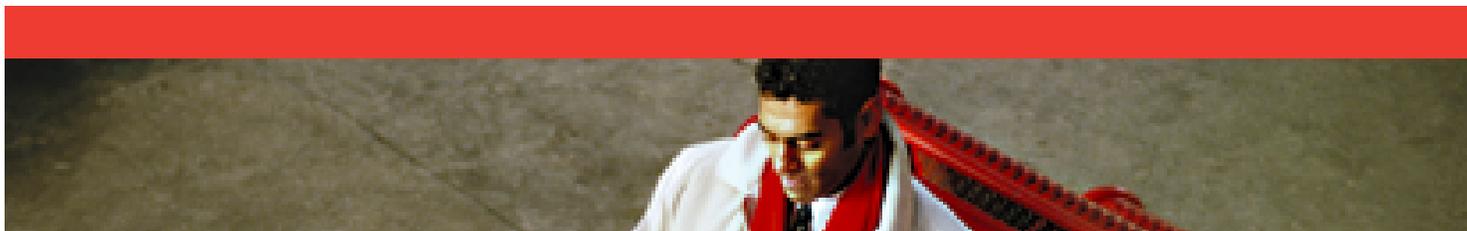
PHASER® 7700
COLOR PRINTER

ADVANCED FEATURES AND TROUBLESHOOTING MANUAL



Tektronix
COLOR PRINTERS BY
XEROX

XEROX
NETWORK PRINTERS





**Phaser® 7700 Color Printer
Advanced Features and Troubleshooting Manual**

September 2001

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Advanced Features

Your Phaser 7700 Color Printer comes with many useful features to help you create the best possible printed documents. You can access the printer features in the printer driver, which you use when you send a print job to the printer. To ensure that you have access to all of the printer features, make sure that you have installed the printer driver located on your Phaser 7700 Printer CD-ROM. Updated printer drivers are also available on the Xerox web site: www.xerox.com/officeprinting

Note

You can also set some of the features on the printer's front panel. The settings in the printer driver override the front panel settings.

The following features are described in this manual:

- Print quality mode — see page 2
- TekColor correction — see page 3
- Secure prints, proof prints, and saved prints — see page 4
- Separation pages — see page 6
- Collating copies — see page 6
- N-up (multiple pages on a single sheet of paper) — see page 7
- Booklet printing — see page 7
- Negative and mirror images — see page 8
- Scaling — see page 9
- Watermarks — see page 9
- Image smoothing — see page 10

For additional information on these features, refer to the Windows printer driver's online help.

Refer to the *Phaser 7700 Color Printer User Guide* for information about two-sided printing or printing on the following special media:

- Phaser 7700 Labels
- Phaser 7700 Transparencies
- Envelopes
- Letterhead paper

For information about fonts, refer to page 22.

For information about using color, refer to page 11.

Print quality modes

You can choose between different print quality modes to obtain the best combination of speed and print quality for your job.

Print quality mode	Maximum speed *
Standard	22 ppm Paper 11 ppm Transparency
<ul style="list-style-type: none">■ General-purpose mode for color printing■ Produces vibrant, saturated prints with smooth color transitions■ Suitable for most office uses and images■ Prints at 1200 x 600 dpi	
Photo	up to 22 ppm Paper
<ul style="list-style-type: none">■ Highest-quality color prints■ Richest color and near-photographic detail■ Prints a continuous tone (multiple color densities per pixel) at 600 x 600 dpi	

* Approximate number of pages per minute does not include image-processing time. Paper types other than **Laser Paper** or sizes other than Letter/A4 have a lower pages-per-minute speed. Two-sided (duplex) printing also has a lower pages-per-minute speed.

You can specify the print quality in a supported driver:

- **Windows 95 / Windows 98 PostScript driver:**
On the **Setup** tab, select a print quality by clicking the radio button.
- **Windows 2000 / Windows NT PostScript driver:**
On the **Paper/Quality** tab, select a print quality by clicking the radio button.
- **LaserWriter 8.6 or 8.7 driver:**
In the **Print** dialog box, select the **Print Quality/Color** pull-down menu, then select the desired mode for **Quality**.

TekColor™ color corrections

You can select a color correction to match particular press specifications or match your computer screen's colors. Otherwise, select **Automatic** to let the printer automatically pick the best color correction for elements in your document.

Color correction	Description
Automatic	<ul style="list-style-type: none"> Automatically optimizes the color correction for each element (text, graphics, and photographs) on the page.
sRGB Display	<ul style="list-style-type: none"> Closely approximates the colors on a standard display screen.
sRGB Vivid	<ul style="list-style-type: none"> Produces the brightest possible colors.
None	<ul style="list-style-type: none"> Does not use a color correction so the colors you specified in the application for your job are not altered. Use when you have specified colors from the PANTONE® Color Chart.
SWOP Press	<ul style="list-style-type: none"> Matches U.S. press standards using the specification for Web Offset Publications.
Euroscale Press	<ul style="list-style-type: none"> Emulates the Euroscale 4-color process press mode.
Commercial Press	<ul style="list-style-type: none"> Emulates a 4-color process commercial press mode.
SNAP Press	<ul style="list-style-type: none"> Matches the standards for printing on uncoated and newsprint papers using the specifications for Non-Heat Advertising Printing.
DIC	<ul style="list-style-type: none"> Matches Dai Nippon printing inks on coated paper.
Toyo	<ul style="list-style-type: none"> Matches commercial Toyo printing inks on coated paper.
Black and White	<ul style="list-style-type: none"> Produces a black-and-white version of a document. Colors converted to grayscale. Use to print page masters for photocopying in black-and-white.
Fax Friendly	<ul style="list-style-type: none"> Colors are converted to black-and-white patterns. Fax Friendly is recommended for making prints that you plan to copy or fax.

You can specify the color correction in a supported driver:

- Windows 95 / Windows 98 PostScript driver:**
 On the **TekColor** tab, select the desired color correction. Some of the color corrections are grouped under **Office Color** and **Press Match Color**.
- Windows 2000 / Windows NT PostScript driver:**
 On the **TekColor** tab, select the desired color correction. Some of the color corrections are grouped under **Office Color** and **Press Match Color**.
- LaserWriter 8.6 or 8.7 driver:**
 In the **Print** dialog box, select the **Print Quality/Color** pull-down menu, then select the desired correction for **Color**.

Secure prints, proof prints, and saved prints

You can choose one of the following special job types:

- **Secure Print:** Print confidential documents; your four-digit numerical password (PIN)-protected jobs are stored on the printer's hard disk drive. The jobs print only after you enter the PIN (4-digit number) on the printer's front panel.
- **Proof Print:** Print only one copy of a multiple copy job so you can proof the copy. If you want to print the remaining copies, select the job name on the printer's front panel.
- **Saved Print:** Store the job on the hard disk so you can print it on demand. The job is not deleted after printing.

Note

These jobs are stored on the hard drive and remain in the printer even when it is powered off. There is a limit of 50 jobs allowed on the hard drive. After you have reached the 50 job limit, the oldest job will be automatically deleted.

Printing secure print, proof print, and saved print jobs

You specify that the job is a secure print, proof print, or saved print job in a supported driver:

- **Windows 95 / Windows 98 PostScript driver:**
On the **Setup** tab, choose the job type. For a secure print job, enter a numerical password (up to four-digits) to assign to this job. For proof prints and saved prints, enter the name you want to give this job.
- **Windows 2000 / Windows NT driver:**
On the **Output Options** tab, choose the job type. For a secure print job, enter a numerical password (up to four-digits) to assign to this job. For proof print and saved print jobs, enter the name you want to give this job.
- **LaserWriter 8.6 or 8.7 driver:**
In the **Print** dialog box, select the **Job Type** pull-down menu, then choose the job type. For a secure print job, enter a numerical password (up to four-digits) to assign to this job. For saved print job, also enter the name you want to give this job.

To print your secure print jobs, specify the PIN (4-digit password) on the printer's front panel:

1. With **Menus** highlighted, scroll to the **Printable Pages Menu** by pressing the **Down Arrow** key.
2. Press the **OK** key.
3. Scroll to **Secure Print Jobs** by pressing the **Down Arrow** key.
4. Press the **OK** key.

5. Scroll to the correct number for the first digit of the PIN (4-digit password) by pressing the **Down Arrow** or **Up Arrow** key.

Note

If you entered less than four digits in the driver's **Password** field, enter zeros before your PIN (password) number until there are four digits entered in the front panel. For example, if you entered 222 in the driver, enter 0222 in the front panel.

6. Press the **OK** key.
7. Repeat step 5 for the second, third, and fourth digits.
8. Scroll to **Print** by pressing the **Down Arrow** key.
9. Press the **OK** key to print all jobs sharing that PIN.

To print a saved print job or the remaining copies of a proof print job, select the job name on the printer's front panel:

1. With **Menus** highlighted, scroll to the **Printable Pages Menu** by pressing the **Down Arrow** key.
2. Press the **OK** key.
3. Scroll to **Proof Print Jobs** or **Saved Print Jobs** (as applicable) by pressing the **Down Arrow** key.
4. Press the **OK** key.
5. Scroll until you find your job name by pressing the **Down Arrow** key.
6. Press the **OK** key.
7. Scroll to **Print** by pressing the **Down Arrow** key.
8. Press the **OK** key.
9. Scroll to the desired number of copies by pressing the **Down Arrow** key.
10. Press the **OK** key to print the job.

To delete a saved print job or the remaining copies of a proof print job, select the job name on the printer's front panel:

1. With **Menus** highlighted, scroll to the **Printable Pages Menu** by pressing the **Down Arrow** key.
2. Press the **OK** key.
3. Scroll to **Proof Print Jobs** or **Saved Print Jobs** by pressing the **Down Arrow** key.
4. Press the **OK** key.
5. Press the **Down Arrow** until you find your job name.
6. Press the **OK** key.
7. Scroll to **Delete** by pressing the **Down Arrow** key.
8. Press the **OK** key to delete the job.

Separation pages

You can have the printer insert a *separation page* (a divider page) after a print job, between copies of a print job, or between individual pages of a print job. You can also specify the tray/source to use for the separation pages.

You can specify separation pages in a supported driver:

- **Windows 95 / Windows 98 PostScript driver:**
On the **Output Options** tab, select the location of the separation pages and, if desired, the source.
- **Windows 2000 / Windows NT driver:**
On the **Output Options** tab, select the location of the separation pages and, if desired, the source.
- **LaserWriter 8.6 or 8.7 driver:**
In the **Print** dialog box, select the **Advanced Media Handling** pull-down menu, then select the location of the separation pages and, if desired, the source.

Note

When stapling is activated, the separation page will be stapled to the prints.

Collating copies

When you print multiple copies of a print job, you can have it collated at the printer. Each copy (pages 1, 2, and 3, etc.) is printed before the next copy. Otherwise, the printer prints all copies of page 1, then all copies of page 2, etc.

Note

Many applications have a collate option in their **Print** dialog box. Since collation done at the printer is faster than collation performed by an application, select collation in the printer driver for faster printing of a collated job.

You can specify collation in a supported driver:

- **Windows 95 / Windows 98 PostScript driver:**
On the **Output Options** tab, check the **Collate** checkbox.
- **Windows 2000 / Windows NT driver:**
On the **Output Options** tab, check the **Collate** checkbox.
- **LaserWriter 8.6 or 8.7 driver:**
In the **Print** dialog box, select the **Advanced Media Handling** pull-down menu, then select whether to have **Quick Collate** on or off.

N-up

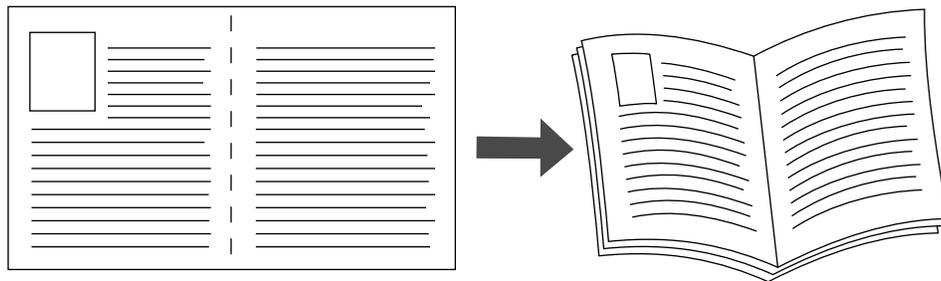
When printing a multiple-page document, you can choose to print more than one page on a single sheet of paper. You can choose to print one, two, four, six, nine, or 16 pages per sheet. When you print more than one page on a sheet, you can also print a border around each page.

You can select N-up in a supported driver:

- **Windows 95 / Windows 98 PostScript driver:**
On the **Setup** tab, click the **More Layout Options** button, then choose the number of pages per sheet from the drop-down list.
- **Windows 2000 driver:**
On the **Layout** tab, choose the number of pages per sheet from the drop-down list.
- **Windows NT driver:**
From the **Properties** tab, select the **Advanced** tab. Under **Document Options**, select the desired **Page Layout (N-up) Option**.
- **LaserWriter 8.6 or 8.7 driver:**
In the **Print** dialog box, select the **Layout** pull-down menu, then select the number of pages per sheet.

Booklet printing

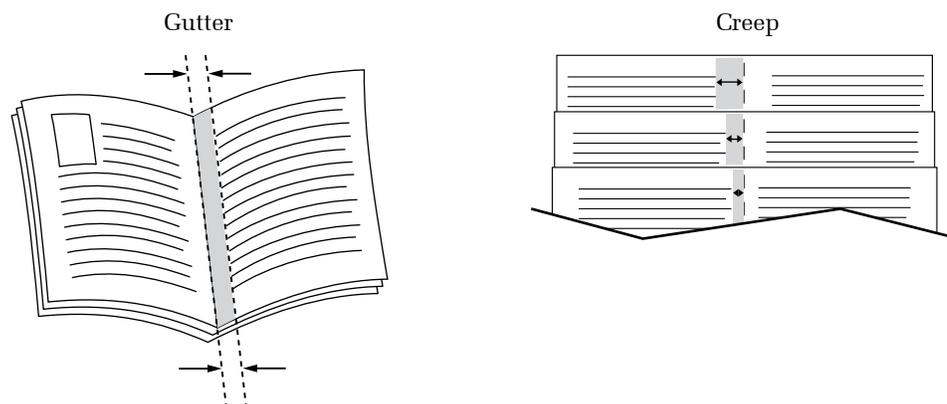
You can print a document in the form of a small book. The printer automatically reduces each page image by 50 percent and prints two pages per sheet of paper. The pages are printed in the correct order so that you can fold and staple the pages to create a booklet.



Note

You can create booklets for any paper size that is supported for 2-sided (duplex) printing.

When you choose Print Booklet Style, you can also specify the *creep* and *gutter*. The gutter is the horizontal distance from the fold to the page image (in points). The creep is the distance that page images are shifted inward (in 10ths of a point); this compensates for the thickness of the folded paper, which otherwise would cause the inner page images to shift slightly outward.



You can select booklet printing in a supported Windows driver:

Note

There is no Macintosh printer driver support for this feature.

- **Windows 95 / Windows 98 PostScript driver:**
On the **Setup** tab, click the **More Layout Options** button, then check the **Print Booklet Style** checkbox in the **More Layout Options** dialog box.
- **Windows 2000 driver:**
On the **Layout** tab, choose **Booklet** from the drop-down list.
- **Windows NT driver:**
From the **Properties** tab, select the **Advanced** tab. Under **Document Options**, select the desired booklet from the **Page Layout (N-up) Option**.

Negative and mirror images

You can print your pages as a negative image (reverses the light and dark areas in your printed image) and/or mirror image (flips images horizontally on pages when printed).

You can select negative or mirror images in a supported driver:

- **Windows 95 / Windows 98 PostScript driver:**
On the **Setup** tab, click the **More Layout Options** button, then click the **Print as a Negative Image** and/or **Print as a Mirror Image** checkbox in the **More Layout Options** dialog box.
- **Windows 2000 driver:**
From the **Layout** tab or **Paper/Quality** tab, click the **Advanced** button. In the dialog box under **Document Options** and **PostScript Options**, select either **Yes** or **No** for **Mirrored Output** and **Negative Output**.

- **Windows NT driver:**
From the **Properties** tab, select the **Advanced** tab. Under **Document Options** and **PostScript Options**, select either **Yes** or **No** for **Mirrored Output** and **Negative Output**.
- **LaserWriter 8.6 or 8.7 driver:**
From the **File** menu, select **Page Setup**, choose **PostScript Options** from the pull-down menu, and then select **Invert Image** (to print a negative image) or **Flip Horizontal** (to print a mirror image).

Scaling

You can reduce or enlarge your page images when they are printed. You select a scaling value between 25 and 400 percent. The default is 100 percent.

You can scale the pages by using the supported driver:

- **Windows 95 / Windows 98 PostScript driver:**
On the **Setup** tab, click the **More Layout Options** button, then specify the percentage to scale in the **Percentage** field.
- **Windows 2000 driver:**
From the **Layout** tab or **Paper/Quality** tab, click the **Advanced** button. In the dialog box under **Graphic**, select the desired percentage for **Scaling**.
- **Windows NT driver:**
From the **Properties** tab, select the **Advanced** tab. Under **Graphic**, select the desired percentage for **Scaling**.
- **LaserWriter 8.6 or 8.7 driver:**
From the **File** menu, select **Page Setup** and then specify the percentage in the box after **Scale**.

Watermarks

A watermark is text (independent of that provided by the printing application) that is printed on the first page or every page of the document. You can create a watermark or edit an existing watermark's text, color, location, and angle. You can also choose to print the watermark only on the first page, print the watermark in the background, or print the text of the watermark as an outline (instead of filled text).

Note

Not all applications support watermark printing.

You can select, create, and edit watermarks using a supported Windows driver:

Note

There is no Macintosh printer driver support for this feature.

- **Windows 95 / Windows 98 PostScript driver:**
On the **Setup** tab, click the **More Layout Options** button, and then click the **Watermark** button to display the **Watermarks** dialog box.
- **Windows 2000 driver:**
From the **Layout** tab or **Paper/Quality** tab, click the **Advanced** button. In the dialog box, select the desired **Watermark**.
- **Windows NT driver:**
From the **Properties** tab, select the **Advanced** tab. Under **Document Options**, select the desired **Watermark**.

Image smoothing

Image Smoothing blends adjacent colors in low-resolution images for smoother color transitions. For example, use Image Smoothing to improve the appearance of a 72-dpi image downloaded from the World Wide Web. Image Smoothing is not recommended for 300-dpi or higher images.

You can select Image Smoothing in a supported driver:

- **Windows 95 / Windows 98 PostScript driver:**
On the **Setup** tab, click the **More Layout Options** button, then click the **Image Smoothing** checkbox in the **More Layout Options** dialog box.
- **Windows 2000 driver:**
From the **Layout** tab or **Paper/Quality** tab, click the **Advanced** button. In the dialog box under **Printer Features**, select either **On** or **Off** for **Image Smoothing**.
- **Windows NT driver:**
From the **Properties** tab, select the **Advanced** tab. Under **Printer Features**, select either **On** or **Off** for **Image Smoothing**.
- **LaserWriter 8.6 or 8.7 driver:**
In the **Print** dialog box, select the **Advanced Media Handling** pull-down menu, then select whether to have **Image Smoothing** on or off.

Color and Color Sampler Charts

You can have the colors on your print match particular press specifications or match your computer screen's colors. To do this, pick a color correction in the printer driver; see page 3 for more information.

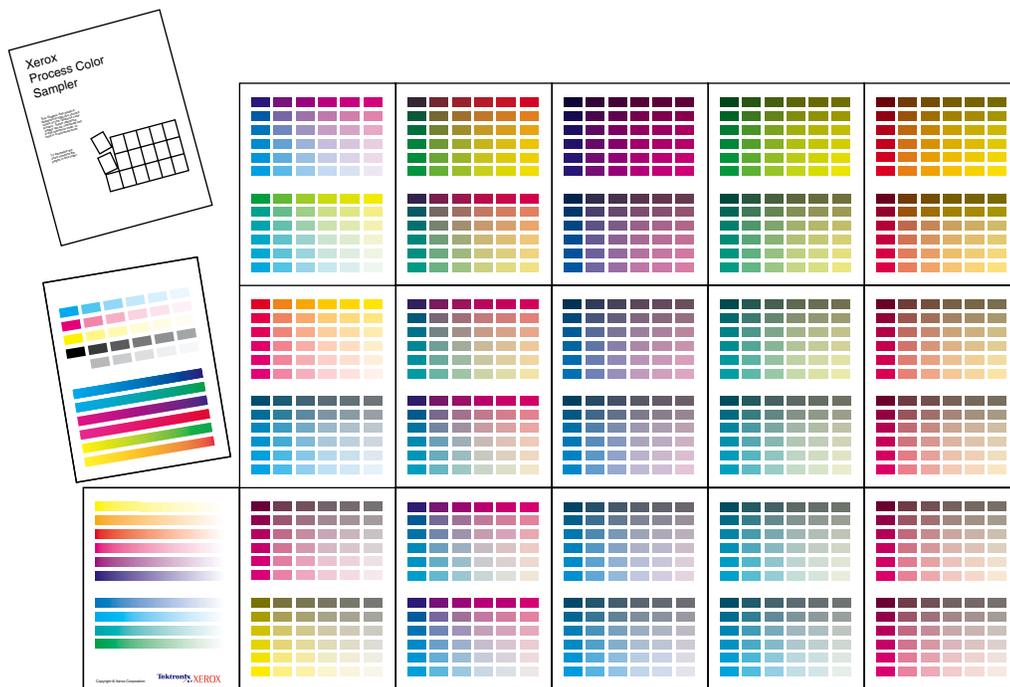
You can use color sampler charts to help select the colors to use in your application. Refer to the next section for more information.

For information on PANTONE Colors, refer to page 15.

Color Sampler Charts

Color sampler charts are colored rectangles with each color's component values; they help you select colors in an application that can be reproduced on your printer.

Component values are percentages of each color — CMYK (Cyan, Magenta, Yellow, Black), RGB (Red, Green, Blue), or HSB (Hue, Saturation, Brightness) — that combine to make a particular color.



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Which color chart you print and use depends on how your application selects color. For information on color selection, refer to the application's documentation, then print one or more of the color sampler charts.

Color and Color Sampler Charts

Each color sampler chart is several pages long. Either:

- Print them in panels and connect them to form a wall chart
- Print them and place them in a binder for easy reference

Note

For information on printing the PANTONE Color sampler chart, refer to page 16.

Color sampler chart descriptions

Color sampler chart		Number of pages*	Front panel selection	CentreWare IS	Utility file
CMYK Sampler Chart	Cyan, magenta, yellow, and black color model	18	●	●	●
RGB Sampler Chart	Red, green, and blue color model	12	●	●	●
HSB Sampler Chart	Hue, saturation, and brightness color model	12			●

* This is the number of pages if you use one-sided printing; if you use two-sided printing, the number of pages will be half of this value.

Depending on the type of color sampler chart, you can print the chart by using:

- A selection on the printer's front panel
- CentreWare Internet Services
- A utility file

Printing a color sampler chart from the printer's front panel

Note

Use the same print quality mode, color correction and paper type, to print the chart that you plan to use when printing from your application; see page 3 for more information. If you use any other print quality mode, color correction or paper type in the printer driver when you print from an application, the colors may not match the chart. Also, use the same paper for the color sampler chart that you will be using.

To specify the print quality mode and color correction to use for the color sampler chart, on the printer's front panel:

1. With **Menus** highlighted, press the **OK** key.
2. Scroll to the **Printer Setup Menu** by pressing the **Down Arrow** key.
3. Press the **OK** key.
4. Scroll to **Job Defaults Menu** by pressing the **Down Arrow** key.
5. Press the **OK** key.
6. With **Set Print Quality Mode** highlighted, press the **OK** key.

7. Scroll to the desired print quality mode by pressing the **Down Arrow** key.
8. Press the **OK** key to select that print quality mode.
9. Return to the **Job Defaults Menu** by pressing the **Back** key.
10. Scroll to **Set TekColor Correction** by pressing the **Down Arrow** key.
11. Press the **OK** key.
12. Scroll to the desired color correction by pressing the **Down Arrow** key.
13. Press the **OK** key to select that color correction.

To print the color sampler chart, on the printer's front panel:

1. With **Menus** highlighted, scroll to the **Printable Pages Menu** by pressing the **Down Arrow** key.
2. Press the **OK** key.
3. Scroll to either **Print CMYK Sampler Pages** or **Print RGB Sampler Pages** by pressing the **Down Arrow**.
4. Press the **OK** key.

Printing the colors from an application

1. Using the color sampler chart, select the desired colors in your application.
2. From your application, apply the desired colors in your document or graphic by entering the specific CMYK or RGB values as indicated on the sampler chart.
3. When you print your document or graphic, select the same color correction and print quality mode in the printer driver that you used to print the color sampler chart.

Printing the color sampler charts with CentreWare IS

1. Access your printer's Internet Services home page; refer to page 29 for more information.
2. Click the **Print** button to display the **Print** tab.
3. On the left side of the page, click **Print Color Samplers**.
4. On the **Print Color Samplers** page, select the color sampler (either RGB or CMYK) and click the green button.

Printing the color sampler charts with utility files

From a Macintosh

1. To print the color sampler charts with utility files, use the *Apple Printer Utility*. For information about installing the *Apple Printer Utility*, refer to page 37.
2. Download the desired color sampler utility file to the printer. Refer to page 39 for the steps to download utility files using the *Apple Printer Utility*.

From a PC or workstation

1. Locate the utility files on the CD-ROM in the **phsr7700** folder inside the **utility** folder. For more information, refer to page 37. You can use the files directly from the CD-ROM or copy the files to your computer's hard disk.
2. Download the desired color sampler utility file to the printer. Refer to page 41 for the steps to download utility files; the procedure depends on the operating system your PC uses.

PANTONE Colors

PANTONE Color files for your printer include printer-specific color library files for some specific applications and a file to print the PANTONE Color sampler chart.

For the latest information on color libraries, contact your local Xerox reseller or visit the Xerox web site at: www.xerox.com/officeprinting

Printing PANTONE Colors from the color selection book

In some applications, you can select colors from the *PANTONE Process Imaging Guide*. These colors can be proofed on your Phaser printer before final output on a printing press. For this method, the printer-specific PANTONE Color files are not required.

1. From the application, select and apply PANTONE Colors. Use the individual color values from the *PANTONE Process Imaging Guide*.
2. Print your document, selecting **Commercial Press** or **SWOP Press** for the color correction in the printer driver; see page 3 for more information.
3. When you are satisfied with the proof, the file can be separated for printing press plates without adjustment to the file.

Printing printer-specific PANTONE Colors

Your printer can produce process color simulations of PANTONE Spot Colors.

1. Print a copy of the PANTONE Color chart; see page 16 for more information.
2. Within the application, define the desired color in your document by using the individual CMYK values that appear on the sampler chart.
3. Print your document, selecting **None** for the color correction in the printer driver; (see page 3 for more information). For best results, use the proper print quality setting and the same type of paper that you used to print the PANTONE Color chart.

For final output on a color printing press (colors printed as a process color, not spot colors):

1. Open the application.
2. Replace the printer's PANTONE Process Colors with standard PANTONE Colors.
3. Separate the file for printing press plates.

Installing the PANTONE Color files

To install the files from the web:

1. Start your web browser (such as Netscape Navigator or Internet Explorer).
2. Enter the following web address: **www.xerox.com/officeprinting/**
3. Choose the **Phaser 7700** printer from the drop-down list.
4. From the pull-down lists, select your computer platform and **PANTONE** for type of file.
5. Click the **Go** button to search the web site and display the list of files to download.
6. Download the files to the disk:
 - a. Click on the name of the file.
 - b. Select **Save this file to disk**.
 - c. Click the **OK** button.
 - d. Select the location to save the file.
 - e. Click the **Save** button to download it to your computer.
 - f. Repeat Steps a-e for each file that you want to download.
7. Navigate to the location where you saved the file(s) and extract the file.

Printing the PANTONE Color Chart from a Macintosh

To print individual pages from the PANTONE Color chart, use Acrobat Reader:

1. To install Acrobat Reader, if it is not already installed, insert the printer's CD-ROM in your computer's drive, go to the *Utilities* folder, and follow the on-screen instructions to install Acrobat Reader onto your computer's hard disk.
2. Locate the Pantone files you downloaded from the web site and double-click the desired PDF file.
3. View and print pages from the PDF file.

Note

Print only with the **None** color correction, since other settings cause PANTONE Colors to print differently than expected. Use the same paper that you plan to use for your application. Refer to page 3 for more information. Print on the paper you plan to use for your application.

For best results and truest color:

- Print the chart on Phaser Premium Color Printing Paper.
- Select one-sided printing when printing the color chart in order to reduce the effects of color show-through.

Printing the PANTONE Color Chart from a PC

To print individual pages from the PANTONE Color chart, use Acrobat Reader:

1. To install Acrobat Reader, if it is not already installed, insert the printer's CD-ROM in your computer's drive, go to the *Utilities* folder, and follow the on-screen instructions to install Acrobat Reader onto your computer's hard disk.
2. Locate the Pantone files you downloaded from the web site and double-click the desired PDF file.
3. View and print pages from the PDF file. For best results, print on paper.

Note

Print only with the **None** color correction, since other settings cause PANTONE Colors to print differently than expected. Use the same paper that you plan to use for your application. Refer to page 3 for more information. Print on the paper you plan to use for your application.

For best results and truest color:

- Print the chart on Phaser Premium Color Printing Paper.
- Select one-sided printing when printing the color chart in order to reduce the effects of color show-through.

Adjusting Color Balance

Over the life of the printer, colors may change. For example, reds may begin to take on a purple cast, or blues may take on a green cast. This can happen during the normal use of a color printer, during set-up or when toners and print cartridges are replaced. It can be easily remedied by adjusting the color balance.

This front panel procedure involves printing a demonstration page, a series of test pages and adjusting the colors based on the appearance of the test pages.

Note

At any time, you can reset the printer to the previous settings or to the factory defaults.

Printing the Color Calibration Tutorial

The Color Calibration Tutorial contains an overview of the color adjustment procedure. Before starting this procedure, print and review the Color Calibration Tutorial.

1. On the front panel, scroll to the **Support** menu by pressing the **Up** or **Down Arrow** key.
2. Press the **OK** key.
3. Select the **Improve Print Quality?** menu by pressing the **Down** or **Up Arrow** key.
4. Press the **OK** key.
5. Select the **Calibrate Colors Menu** by pressing the **Down** or **Up Arrow** key.
6. Press the **OK** key.
7. Select the **Print Tutorial Page** menu item by pressing the **Down** or **Up Arrow** key.
8. Press the **OK** key to print the tutorial page.
9. Follow the instructions on this page to adjust the color balance.

Restore previous settings

You can return the color settings to the ones that existed before you saved the last color balance adjustments.

1. On the front panel, scroll to the **Support** menu by pressing the **Up** or **Down Arrow** key.
2. Press the **OK** key.
3. Select the **Improve Print Quality?** menu by pressing the **Down** or **Up Arrow** key.
4. Press the **OK** key.
5. Select the **Calibrate Colors Menu** by pressing the **Down** or **Up Arrow** key.
6. Press the **OK** key.
7. Select the **Restore Previous Settings** by pressing the **Down** or **Up Arrow** key.
8. Press the **OK** key to reset the settings.

Restore factory settings

You can reset settings for density and color balance to the factory-default values.

1. On the front panel, scroll to the **Support** menu by pressing the **Up** or **Down Arrow** key.
2. Press the **OK** key.
3. Select the **Improve Print Quality?** menu by pressing the **Down** or **Up Arrow** key.
4. Press the **OK** key.
5. Select the **Calibrate Colors Menu** by pressing the **Down** or **Up Arrow** key.
6. Press the **OK** key.
7. Select the **Restore Factory Settings** by pressing the **Down** or **Up Arrow** key.
8. Press the **OK** key.
9. Select the **Restore Factory Settings NOW** menu item by pressing the **Down** or **Up Arrow** key.
10. Press the **OK** key to reset the settings to the factory defaults.

PhaserPrint Plug-in for Photoshop

The PhaserPrint™ plug-in, included on the printer's CD-ROM, operates within the Photoshop application on Macintosh computers. With PhaserPrint, you can improve image transfer time and gain easy access to Phaser printer features and other media features.

Note

PhaserPrint software produces correct output only on supported Phaser printers. If you use this plug-in with a printer not listed in the PhaserPrint dialog box, the image may be placed incorrectly on the page, the colors may look incorrect, or the file may not print.

Installing the plug-in

Compatibility requirements:

- Photoshop 3.0 and higher
- System 7.6.1 and higher

To install the plug-in on the Macintosh:

1. From the printer's CD-ROM, run the *Installer* application.
2. Select either **Easy Install** or **Custom Install**.
3. When performing a custom install, select **PhaserPrint plug-in for Photoshop**.
4. Click the **Install** button. The file is then installed in the Photoshop application's folder on your computer's hard disk.

Using the plug-in

1. Specify the default printer:
 - a. Open the **Chooser**.
 - b. Select a PostScript driver (such as the Apple LaserWriter 8).
 - c. Select your printer.

Note

PhaserPrint software works like a printer driver, and prints to the printer you selected in the **Chooser**.

2. Open Photoshop and open an image file.

3. From Photoshop's **Mode** menu, select one of the following image modes supported by PhaserPrint:
 - Grayscale
 - Indexed Color
 - RGB Color
 - CMYK Color
 - Lab Color
4. From the **File** menu, select **Export** and then select **PhaserPrint**.
5. In the **PhaserPrint** dialog box, select your printer in the **Printer Model** field.
6. Make other selections in the **PhaserPrint** dialog box. For more information on the selections in the dialog box or the plug-in's features, refer to the online help.
7. Click the **Print** button in the **PhaserPrint** dialog box.

Fonts

Your Phaser 7700 Color Printer uses the following types of fonts:

- Resident fonts
- Fonts downloaded onto the hard drive
- Fonts downloaded into memory
- Fonts downloaded with your print job from the application

ATM (Adobe Type Manager) software helps your computer display these fonts on screen as they will appear in your prints. If you don't already have ATM on your computer, install it from the printer's CD-ROM. Also install the printer's screen fonts from the ATM folder.

Resident typefaces (PostScript)

Printer-resident fonts are always available for printing. All printer configurations are shipped with 136 resident fonts plus the Central and Eastern European encoding for many of the fonts. To print a sample of the printer's fonts, see page 27.

Resident Roman typefaces:

AdobeSansMM	
AdobeSerifMM	
AlbertusMT	
AlbertusMT-Italic	
AlbertusMT-Light	
AntiqueOlive-Bold	AntiqueOliveCE-Bold
AntiqueOlive-Compact	AntiqueOliveCE-Compact
AntiqueOlive-Italic	AntiqueOliveCE-Italic
AntiqueOlive-Roman	AntiqueOliveCE-Roman
Apple-Chancery	Apple-ChanceryCE
Arial-BoldItalicMT	ArialCE
Arial-BoldMT	ArialCE-Bold
Arial-ItalicMT	ArialCE-BoldItalic
ArialMT	ArialCE-Italic
AvantGarde-Book	AvantGardeCE-Book
AvantGarde-BookOblique	AvantGardeCE-BookOblique
AvantGarde-Demi	AvantGardeCE-Demi
AvantGarde-DemiOblique	AvantGardeCE-DemiOblique
Bodoni	BodoniCE
Bodoni-Bold	BodoniCE-Bold
Bodoni-BoldItalic	BodoniCE-BoldItalic
Bodoni-Italic	BodoniCE-Italic
Bodoni-Poster	BodoniCE-Poster
Bodoni-PosterCompressed	BodoniCE-PosterCompressed
Bookman-Demi	BookmanCE-Demi
Bookman-DemiItalic	BookmanCE-DemiItalic
Bookman-Light	BookmanCE-Light
Bookman-LightItalic	BookmanCE-LightItalic

Carta	
Chicago	ChicagoCE
Clarendon	ClarendonCE
Clarendon-Bold	ClarendonCE-Bold
Clarendon-Light	ClarendonCE-Light
CooperBlack	
CooperBlack-Italic	
Copperplate-ThirtyThreeBC	
Copperplate-ThirtyTwoBC	
Coronet-Regular	CoronetCE-Regular
Courier	CourierCE
Courier-Bold	CourierCE-Bold
Courier-BoldOblique	CourierCE-BoldOblique
Courier-Oblique	CourierCE-Oblique
Eurostile	EurostileCE
Eurostile-Bold	EurostileCE-Bold
Eurostile-BoldExtendedTwo	EurostileCE-BoldExtendedTwo
Eurostile-ExtendedTwo	EurostileCE-ExtendedTwo
Geneva	GenevaCE
GillSans	GillSansCE-Bold
GillSans-Bold	GillSansCE-BoldCondensed
GillSans-BoldCondensed	GillSansCE-BoldItalic
GillSans-BoldItalic	GillSansCE-Condensed
GillSans-Condensed	GillSansCE-ExtraBold
GillSans-ExtraBold	GillSansCE-Italic
GillSans-Italic	GillSansCE-Light
GillSans-Light	GillSansCE-LightItalic
GillSans-LightItalic	GillSansCE-Roman
Goudy	
Goudy-Bold	
Goudy-BoldItalic	
Goudy-ExtraBold	
Goudy-Italic	
Helvetica	HelveticaCE
Helvetica-Bold	HelveticaCE-Bold
Helvetica-BoldOblique	HelveticaCE-BoldOblique
Helvetica-Condensed	HelveticaCE-Cond
Helvetica-Condensed-Bold	HelveticaCE-CondBold
Helvetica-Condensed-BoldObl	HelveticaCE-CondBoldObl
Helvetica-Condensed-Oblique	HelveticaCE-CondObl
Helvetica-Narrow	HelveticaCE-Narrow
Helvetica-Narrow-Bold	HelveticaCE-NarrowBold
Helvetica-Narrow-BoldOblique	HelveticaCE-NarrowBoldOblique
Helvetica-Narrow-Oblique	HelveticaCE-NarrowOblique
Helvetica-Oblique	HelveticaCE-Oblique
HoeflerText-Black	HoeflerTextCE-Black
HoeflerText-BlackItalic	HoeflerTextCE-BlackItalic
HoeflerText-Italic	HoeflerTextCE-Italic
HoeflerText-Ornaments	HoeflerTextCE-Regular
HoeflerText-Regular	
JoannaMT	JoannaMTCE
JoannaMT-Bold	JoannaMTCE-Bold
JoannaMT-BoldItalic	JoannaMTCE-BoldItalic
JoannaMT-Italic	JoannaMTCE-Italic
LetterGothic	LetterGothicCE
LetterGothic-Bold	LetterGothicCE-Bold
LetterGothic-BoldSlanted	LetterGothicCE-BoldSlanted
LetterGothic-Slanted	LetterGothicCE-Slanted

Fonts

LubalinGraph-Book	LubalinGraphCE-Book
LubalinGraph-BookOblique	LubalinGraphCE-BookOblique
LubalinGraph-Demi	LubalinGraphCE-Demi
LubalinGraph-DemiOblique	LubalinGraphCE-DemiOblique
Marigold	
MonaLisa-Recut	
Monaco	MonacoCE
NewCenturySchlbk-Bold	NewCenturySchlbkCE-Bold
NewCenturySchlbk-BoldItalic	NewCenturySchlbkCE-BoldItalic
NewCenturySchlbk-Italic	NewCenturySchlbkCE-Italic
NewCenturySchlbk-Roman	NewCenturySchlbkCE-Roman
NewYork	NewYorkCE
NotDefFont	
Optima	OptimaCE-Bold
Optima-Bold	OptimaCE-BoldItalic
Optima-BoldItalic	OptimaCE-Italic
Optima-Italic	OptimaCE-Roman
Oxford	
Palatino-Bold	PalatinoCE-Bold
Palatino-BoldItalic	PalatinoCE-BoldItalic
Palatino-Italic	PalatinoCE-Italic
Palatino-Roman	PalatinoCE-Roman
StempelGaramond-Bold	StempelGaramondCE-Bold
StempelGaramond-BoldItalic	StempelGaramondCE-BoldItalic
StempelGaramond-Italic	StempelGaramondCE-Italic
StempelGaramond-Roman	StempelGaramondCE-Roman
Symbol	
Tekton	
Times-Bold	TimesCE-Bold
Times-BoldItalic	TimesCE-BoldItalic
Times-Italic	TimesCE-Italic
Times-Roman	TimesCE-Roman
TimesNewRomanPS-BoldItalicMT	TimesNewRomanCE
TimesNewRomanPS-BoldMT	TimesNewRomanCE-Bold
TimesNewRomanPS-ItalicMT	TimesNewRomanCE-BoldItalic
TimesNewRomanPSMT	TimesNewRomanCE-Italic
Univers	UniversCE-Bold
Univers-Bold	UniversCE-BoldExt
Univers-BoldExt	UniversCE-BoldExtObl
Univers-BoldExtObl	UniversCE-BoldOblique
Univers-BoldOblique	UniversCE-Condensed
Univers-Condensed	UniversCE-CondensedBold
Univers-CondensedBold	UniversCE-CondensedBoldOblique
Univers-CondensedBoldOblique	UniversCE-CondensedOblique
Univers-CondensedOblique	UniversCE-Extended
Univers-Extended	UniversCE-ExtendedObl
Univers-ExtendedObl	UniversCE-Light
Univers-Light	UniversCE-LightOblique
Univers-LightOblique	UniversCE-Medium
Univers-Oblique	UniversCE-Oblique
Wingdings-Regular	
ZapfChancery-MediumItalic	ZapfChanceryCE-MediumItalic
ZapfDingbats	

Resident typefaces (PCL5C)

For PCL5C (Printer Command Language) printing, the printer supports Courier, Times, and Universe typefaces in medium, bold, italic medium, and italic bold. In addition, there are 46 PCL fonts. The printer port must be set to **AutoSelect** (which is the default) or PCL for the printer to accept PCL data.

Resident PCL typefaces

AlbertusE-ExtraBold	MarigoldE
AlbertusE-Medium	OptimaE-Bold
AntiqueOliveE-Bold	OptimaE-BoldItalic
AntiqueOliveE-Italic	OptimaE-Italic
AntiqueOliveE-Regular	OptimaE-Regular
ArialE	SymbolE
ArialE-Bold	TimesE-Bold
ArialE-BoldItalic	TimesE-BoldItalic
ArialE-Italic	TimesE-Italic
ClarendonE-Condensed	TimesE-Roman
CoronetE	TimesNewRomanE
CourierE-Bold	TimesNewRomanE-Bold
CourierE-BoldItalic	TimesNewRomanE-BoldItalic
CourierE-Italic	TimesNewRomanE-Italic
CourierE-Regular	UniverseE-Bold
GaramondE-Antiqua	UniverseE-BoldCondensed
GaramondE-Halbfett	UniverseE-BoldCondensedItalic
GaramondE-Kursiv	UniverseE-BoldItalic
GaramondE-KursivHalbfett	UniverseE-Condensed
LetterGothicE-Bold	UniverseE-CondensedItalic
LetterGothicE-Italic	UniverseE-Italic
LetterGothicE-Regular	UniverseE-Medium

Downloading fonts

To supplement the resident fonts (which are always available for printing), downloadable fonts can be sent from your computer and be stored in the printer's memory or on the printer's hard drive. Adding more printer memory expands the number of fonts that can be stored on your printer. Refer to the *Phaser 7700 Color Printer User Guide* or the Xerox web site for part numbers of the memory.

By downloading fonts to a hard disk or memory, you save print time when you use a Macintosh to print large documents or print several documents that use those fonts. Because it has bi-directional communication with the printer, the Macintosh identifies which fonts are already available in the printer memory and on the hard drive, and thus doesn't spend time downloading those same fonts from the application.

Note

Because PC drivers don't have bi-directional font communication with the printer, the PC only knows what fonts came with the printer. All other fonts are downloaded from the application, even if they already were downloaded to the hard disk or memory.

Before printing, make sure that the fonts specified in your document are installed in the printer or are set up correctly. If you request a font in an application that is not resident in the printer, is not correctly installed, or is not downloaded from the application in the print job, the text is printed in *Courier* typeface.

The printer accepts these (and other) downloadable fonts:

- Type 1
- Type 3
 - Adobe
 - Agfa
 - Bitstream
 - Microsoft
 - Apple
- TrueType (scalable to any point size; looks the same on-screen and printed).

Downloading fonts from a Macintosh

Use the *Apple Printer Utility* to download fonts to the printer.

Note

In order to download the fonts to the printer with the *Apple Printer Utility*, the SysStart Job must be disabled on the printer's front panel; refer to page 34 for more information on SysStart Job.

1. If you don't already have the *Apple Printer Utility* on your computer, install it from the printer's CD-ROM.
2. Start the *Apple Printer Utility* by double-clicking the icon (in the *PhaserTools* folder on your computer's hard disk).
3. In the **Printer Selector** dialog box:
 - a. Under **AppleTalk Zones**, select your printer's zone.
 - b. Under **Printers**, select your Phaser 7700 printer.
 - c. Click the **Open Printer** button.
4. In the printer's dialog box, click the arrow next to **Printer Preferences**.
5. Click the arrow next to **Fonts** to display the list of installed fonts and their locations.
6. Click the **Add** button.
7. In the dialog box, select the folder containing the font you want to download, select the font, and click the **Add** button. The font is listed as ready to download.

Note

To add all of the fonts in the folder to the list of fonts to download, click the **Add All** button. If you decide not to download a font, highlight the font in the list of fonts to download and click the **Remove** button.

8. For **Destination**, select the download location: either the printer's memory or the hard disk.
9. To download the fonts in the list, click the **Send** button.

Note

To remove downloaded fonts from the printer, follow steps 2 through 5, highlight the font in the list under **Fonts** (in the printer's dialog box), and then click the **Remove** button.

Downloading fonts from a PC

Use the *Xerox CentreWare Font Download Utility* to download fonts to the printer. For detailed information, refer to the online help.

1. If you don't already have the *Xerox CentreWare Font Download Utility* on your computer, install it from the Advanced Network Management Tools CD-ROM. Refer to page 41.
2. Start the *Xerox CentreWare Font Download Utility*.
3. Select the printer from the **List of Printers**.
4. Click the **Fonts / Forms Manager** button.
5. In the **Fonts / Forms Manager** dialog box:
 - a. For **Storage Device Type**, select **Printer Hard Disk**.
 - b. For **Resource Type**, select **PostScript Fonts**.
 - c. Click the **Browse** button and select the fonts you want to download. They are then displayed in the **Selected Fonts** list.
 - d. Click the **Download** button.
6. If you want to print a list of the fonts on the printer, refer to page 28.
7. When you have finished downloading fonts, click the **Done** button.

Printing a list of resident fonts

Listing the fonts from a Macintosh

Use the *Apple Printer Utility* to list the fonts available on the printer.

Note

In order to send the list of fonts to the printer with the *Apple Printer Utility*, the SysStart Job must be disabled on the Phaser 7700 front panel; refer to page 34 for more information on SysStart Job.

1. If you don't already have the *Apple Printer Utility* on your computer, install it from the printer's CD-ROM. Refer to page 39.

2. Start the *Apple Printer Utility* by double-clicking the icon (in the *PhaserTools* folder on your computer's hard disk).
3. In the **Printer Selector** dialog box:
 - a. Under **AppleTalk Zones**, select your printer's zone.
 - b. Under **Printers**, select your Phaser 7700 Color Printer.
 - c. Click the **Open Printer** button.
4. From the **File** menu, select **Print Font Samples**.

Listing the fonts from a PC

Use the *Xerox CentreWare Font Download Utility* to list the fonts available on the printer. For detailed information, refer to the online help.

1. If you don't already have the *Xerox CentreWare Font Download Utility* on your computer, install it from the Advanced Network Management Tools CD-ROM.
2. Start the *Xerox CentreWare Font Download Utility*.
3. Select the printer from the **List of Printers**.
4. Click the **Fonts / Forms Manager** button.
5. In the **Fonts / Forms Manager** dialog box:
 - a. For **Font List Type**, select **PostScript Fonts / Forms**.
 - b. Click the **Print Font List** button.
6. Click the **Done** button to exit the **Fonts / Forms Manager** dialog box.

Printer Management

You can configure and manage your printer:

- On the front panel
- Using CentreWare IS Printer Management software
- Through Usage Profile Reports, which can be emailed when the printer needs attention (such as needing more paper)

This section covers the following features related to the operation of your printer:

- The printer's Startup Page — see page 32
- Protected mode for the front panel menus — see page 33
- Sys/Start Job execution — see page 34
- Front panel intensity — see page 34
- Front panel contrast — see page 34
- Intelligent Ready mode — see page 34
- Front panel language — see page 35
- Automatic tray switching — see page 36

CentreWare IS Printer Management software

CentreWare Internet Services™ Printer Management software is a printer management tool that uses a web browser to connect to the printer and gather printer information:

- Job status
- Job accounting
- Printer usage
- Routine troubleshooting
- Configuration of printer settings

CentreWare IS requires a TCP/IP connection. To view information on your printer, enter your printer's IP address as the URL in a web browser. For example, if your printer's IP address is 113.25.72.34, the URL would be **<http://113.25.72.34>**. The CentreWare IS interface appears on your computer's screen.

For detailed information on CentreWare IS Printer Management software, refer to its online help. You can access interactive troubleshooting assistance with PhaserSMART by selecting Technical Support from the Support tab.

For general information, access the following web site:

<http://www.officeprinting.xerox.com/7700support/>
then click the CentreWare link

Usage Profile

A Usage Profile report provides a proactive strategy for service, maintenance, and administration of your printer. With Usage Profile, you can keep track of most printer parameters in detail. The Usage Profile helps you predict the ordering needs of customer-replaceable consumables for remote locations.

The Usage Profile report includes:

- Consumables usage
- Paper versus transparency usage
- Number and location of media jams
- Media tray usage
- Total number of pages printed

To print the Usage Profile report from the printer's front panel:

1. With **Menus** highlighted, press the **Up Arrow** or **Down Arrow** key to scroll to **Printable Pages**.
2. Press the **OK** key.
3. Scroll to **Print Usage Profile** by pressing the **Up Arrow** or **Down Arrow** key.
4. Press the **OK** key.

Email notification

You can easily set up electronic mail notification of particular status conditions for three people — your system administrator, key user, and service agent. With mail notification, these people receive timely information on error conditions or supplies status. You enter their email addresses and set up the types of error conditions to be reported to each person, such as:

- Supplies (customer-replaceable consumables) low or out
- Empty media tray
- Error conditions

To set up email notification in CentreWare IS:

1. From your printer's Internet Services home page, click the **Properties** button.
2. Enter the email addresses for the system administrator, key user, and service agent:
 - a. On the left side of the **Properties** page in CentreWare IS, click **Mail Alerts**.
 - b. On the **MaiLinX Alerts** page for **MaiLinX (and Usage Profile Properties)**, select **On**.
 - c. Enter the appropriate email address for **SysAdmin Email Address**, **Key User Email Address**, and **Service Email Address**.
 - d. Specify the type of message that each person receives.
 - e. Click the **Save Changes** button on the bottom of the page.

3. Specify the text and message text for the email:
 - a. On the **MaiLinX Alerts** page, click the **MaiLinX Message Settings** link.
 - b. For each recipient, specify the subject text and message text for the emails or choose **default** to have the recipient receive the default text.
 - c. Click the **Save Changes** button on the bottom of the page.
4. Specify the conditions under which an email will be sent to each of the three recipients:
 - a. On the **MaiLinX Alerts** page, click the **Printer Unable to Print** link.
 - b. Click the checkbox beside each error condition that you want to generate an email message to the recipient.
 - c. Click the **Save Changes** button on the bottom of the page.
 - d. Return to the **MaiLinX Alerts** page. (You can click the **Back** button in the browser.)
 - e. On the **MaiLinX Alerts** page, click the **Printer Warnings** link.
 - f. Click the checkbox for each warning condition that you want to generate an email message to the recipient.
 - g. Click the **Save Changes** button on the bottom of the page.

For detailed information, refer to the CentreWare IS online help.

Operational features

The printer's Startup Page

By default, the printer produces a Startup Page each time the printer is turned on or reset. If desired, you can disable the Startup Page.

There are three methods for turning on/turning off the Startup Page:

- From the printer's front panel
- Using CentreWare IS Printer Management software
- Using utility files

To turn on/turn off the Startup Page from the printer's front panel:

1. With **Menus** highlighted, press the **OK** key.
2. Scroll to the **Printer Setup Menu**, by pressing the **Up Arrow** or **Down Arrow** key.
3. Press the **OK** key.
4. Scroll to the **Startup Page**, by pressing the **Up Arrow** or **Down Arrow** key.
5. To change the setting, press the **OK** key.

To turn on/turn off the Startup Page using CentreWare IS Printer Management software:

1. From your printer's Internet Services home page, click **Properties**.
2. On the left side of the **Properties** page in CentreWare IS, click **Printer Defaults**.
3. If desired, change the setting for **Print Startup Page** (under **User Preferences** on the **Printer Defaults** page).
4. Click the **Save Changes** button on the bottom of the page.

To turn on/turn off the Startup Page using utility files:

- **Macintosh:** Use the Apple Printer Utility (refer to page 40 for instructions).
- **PC:** Download one of the following utility files, as described on page 41:
 - *STARTPG.PS* — turn on the Startup Page
 - *NOSTRTPG.PS* — turn off the Startup Page

Protected mode for the front panel menus

You can have the printer enter "protected mode" to prevent users from changing front panel settings that may impact the prints of other users. Instead, users select printing features, such as color corrections, through the printer drivers only. In protected mode, users can access all menus except the Printer Setup Menu, the Network Setup Menu, the Service Tools Menu, and the calibration menus.

Note

You can temporarily override protected mode. Enter the menu system (by highlighting **Menus** and pressing the **OK** key), hold down the **Cancel** key and press the **Back** key. You can then access the **Printer Setup Menu** or the **Network Setup Menu**. These two menus are hidden again as soon as you exit the menu.

There are two methods for entering/exiting protected mode:

- Using CentreWare IS Printer Management software
- Using utility files

To enter/exit protected mode using CentreWare IS Printer Management software:

1. From your printer's Internet Services home page, click **Properties**.
2. On the left side of the **Properties** page in CentreWare IS, click **Printer Defaults**.
3. If desired, change the setting for **Front Panel Menus** (under **User Preferences** on the **Printer Defaults** page).
 - Select **Off** to have the front panel display all menus.
 - Select **On** to limit the menu items displayed on the front panel.
4. Click the **Save Changes** button on the bottom of the page.

To enter/exit protected mode using utility files:

To enter or exit protected mode, download one of the following utility files:

- **Macintosh:**
 - *Menu Short* — limits menu access
 - *Menu Long* — expands menus

Refer to page 39 for downloading instructions.
- **PC:**
 - *MENUSHRT.PS* — limits menu access
 - *MENULONG.PS* — expands menus

Refer to page 41 for downloading instructions.

SysStart Job execution

A startup file (*SysStart*) is automatically run when you turn on or reset the printer. The Japanese, Chinese and Korean fonts are loaded from the Phaser hard drive when this file is executed. To customize the startup, use *UsrStart*.

Note

If the *SysStart* file contains an error, the printer ignores the remainder of the file and may not start up as expected.

Front panel intensity

To make the front panel text more readable, you can adjust the intensity of the front panel's back lighting:

1. On the front panel, with **Menus** highlighted, press the **OK** key.
2. Scroll to **Printer Setup Menu** by pressing the **Up Arrow** or **Down Arrow** key.
3. Press the **OK** key.
4. Scroll to **Set Front Panel Intensity** by pressing the **Up Arrow** or **Down Arrow** key.
5. Press the **OK** key.
6. Scroll until the desired back light intensity is displayed. The intensity values range from 0 (no back light) to 10 (brightest back light).
7. Press the **OK** key.

Front panel contrast

To make the front panel text more readable, you can adjust the contrast between the text and the background:

1. On the front panel, with **Menus** highlighted, press the **OK** key.
2. Scroll to the **Printer Setup Menu** by pressing the **Up Arrow** or **Down Arrow** key.
3. Press the **OK** key.
4. Scroll to **Set Front Panel Contrast** by pressing the **Up Arrow** or **Down Arrow** key.
5. Press the **OK** key.
6. Scroll the value until you achieve the desired contrast between the text and the background. The values range from 1 to 10.
7. Press the **OK** key.

Intelligent Ready mode

Intelligent Ready mode is an automated system that monitors the printer's usage and warms up the printer when you are most likely to need it.

To turn Intelligent Ready mode on or off from the printer's front panel:

1. With **Menus** highlighted, press the **OK** key.
2. Scroll to the **Printer Setup Menu** by pressing the **Up Arrow** or **Down Arrow** key.
3. Press the **OK** key.
4. Scroll to **Intelligent Ready** by pressing the **Up Arrow** or **Down Arrow** key. The end of the line also displays the setting (**On** or **Off**).
5. To change the setting, press the **OK** key.

To select Intelligent Ready mode or schedule warmup/standby settings using CentreWare IS Printer Management software:

1. From your printer's Internet Services home page, click **Properties**.
2. On the left side of the **Properties** page in CentreWare IS, click **Warmup**.
3. For **Warmup Mode**, select either **Intelligent Ready** or **Scheduled** (if you want to specify the warmup/standby settings for each day).
4. If you selected **Scheduled** in Step 3, make selections for each day's warmup setting and standby setting.
5. Click the **Save Changes** button on the bottom of the page.

Note

Although the front panel selections only enable you to turn Intelligent Ready mode on or off, CentreWare IS enables you to specify other settings, such as the printer's warm-up times.

Front panel language

To change the language used for the text on the front panel:

1. On the front panel, with **Menus** highlighted, press the **OK** key.
2. Scroll to the **Printer Setup Menu** by pressing the **Up Arrow** or **Down Arrow** key.
3. Press the **OK** key.
4. Scroll to **Set Front Panel Language** by pressing the **Up Arrow** or **Down Arrow** key.
5. Press the **OK** key.
6. Scroll the desired language by pressing the **Up Arrow** or **Down Arrow** key.
7. Press the **OK** key.

Note

You can also hold down the **Cancel** key and press the **Info** keys to display the **Set Front Panel Language** menu.

Automatic tray switching

When your printer has a Lower Paper Tray assembly or a High Capacity Feeder, you can easily run large jobs without having to replace paper so often. The printer automatically takes paper from the next tray when the first tray runs out.

- For automatic tray switching to work properly, load the same type and size paper in all of the printer's paper trays.
- In the printer driver, select **Autoselect Tray** (Windows 9x) or **Automatically Select** (Windows NT) as the source, instead of a specific tray.

Printer Utilities

In addition to using the printer's front panel or the options in a supported driver, the printer's utility files offer another method for changing the way the printer operates.

Some utility files control print features, such as the default color correction. However, printer features that are selected from a printer driver override utility file settings as well as front panel settings.

Utility files are located on the:

- Printer's CD-ROM
- Xerox web site
- Phaser hard drive

Utility files on the printer's CD-ROM

Installing the utility files on a Macintosh

To install the *Apple Printer Utility*:

1. From the printer's CD-ROM, run the *Phaser Printer Installer* application and select **Easy Install**.
2. In the *PhaserTools* folder on your computer's hard disk, locate the *Apple Printer Utility*.

To install the printer's utility files:

1. On the printer's CD-ROM, open the *English* folder, open the *Snippets* folder, then open the *Printer Utilities* folder.
2. Copy the *Printer Utilities* folder or individual files to your computer's hard disk.

To download a utility file from your Macintosh to the printer, see page 39.

Installing the utility files on a PC

To locate the printer's utility files:

1. Insert the printer's CD-ROM into the CD-ROM drive.
 - If the Windows autorun feature is enabled, the CD-ROM launches automatically. On the opening screen, click **Exit**.
2. In the **Windows Explorer**, select the drive letter of your computer's CD-ROM drive.
3. Locate the utility files on the CD-ROM by opening the **Utility** folder, then opening the **Snippets** folder, then opening the **phsr7700** folder.

Use the files on the CD-ROM or copy the files to your computer's hard disk. To download a utility file from your PC to the printer, see page 41.

Utility files on the Xerox web site

On the Xerox Color Printer web site, you can explore options such as customer support, documents, and new product information. New and updated information is always being added, so check the web site frequently.

Access the Xerox Color Printer web site by entering the following address in a web browser: **www.xerox.com/officeprinting/**

To locate the utility files:

1. Start your web browser (such as Netscape Navigator or Internet Explorer).
2. Enter the following web address:
www.xerox.com/officeprinting/support/software.html
3. From the pull-down lists, select your printer, computer platform, and **Printer Utilities** for the type of file.
4. Click the **Go** button to search the web site and display a list of files that you can download.
5. For each file that you want to download, click on the name of the file, select **Save this file to disk**, click the **OK** button, select the location to save the file, and click the **Save** button.

The requested file is downloaded to your computer.

Downloading utility files from a Macintosh

Use the Apple Printer Utility to download files from your Macintosh to the printer.

To download PostScript utility files to the printer:

1. From the *PhaserTools* folder on your computer's hard disk, double-click the *Apple Printer Utility*.



2. In the **Printer Selector** dialog box:
 - a. Under **AppleTalk Zones**, select your printer's zone.
 - b. Under **Printers**, select your Phaser 7700 Color Printer.
 - c. Click the **Open Printer** button.
3. From the **File** menu, select **Send PostScript File**.
4. In the **Select the PostScript files to download** dialog box, select the folder location of the PostScript file(s) that you want to download.

If you didn't copy the files to your computer's hard drive, use the CD-ROM; the utility files are located in the **Printer Utilities** folder inside the **Phaser Tools** folder.

5. Select a utility file and click **Add** to add the file to the list of files to download.
6. Repeat step 5 for all utility files that you want to download.
7. Click the **Send** button to download those files on the list.
8. In the lower portion of the dialog box for **Save PostScript output as**, either use the default name or type a new name for the file to be used for saving printer output. (Printer output includes status messages generated by the printer as it reports conditions such as out of paper.)
9. Click the **Save** button.
10. If no output is returned by the printer but the *Apple Printer Utility* displays a dialog box, click **Continue**. (If output is returned by the printer, you won't see this dialog box; check your computer's hard disk for the message file created by the utility.)

You can download utility files to print a color sampler chart; refer to page 26 for more information about color sampler charts.

For information on downloading fonts from your Macintosh to the printer, refer to page 26; to print a list of fonts on the printer, refer to page 27.

Using the Apple Printer Utility to perform other tasks

In addition to downloading PostScript files and fonts, you can use the *Apple Printer Utility* to perform the following specialized tasks:

- Turning on/off the Startup Page
- Changing the printer's AppleTalk name

Note

If your printer is connected through a print server, you can only use the *Apple Printer Utility* to download PostScript utility files.

To turn on/off the Startup Page:

1. Double-click the *Apple Printer Utility*.
2. In the **Printer Selector** dialog box:
 - a. Under **AppleTalk Zones**, select your printer's zone.
 - b. Under **Printers**, select your Phaser 7700 printer.
 - c. Click the **Open Printer** button.
3. In the printer's dialog box, click the arrow next to **Printer Preferences** to display a list of options.
4. Click the arrow next to **Startup Page**.
5. Click to either place or remove the check mark from the box:
 - Check mark: Prints a Startup Page each time the printer is turned on or reset.
 - No check mark: Stops the Startup Page from automatically printing.
6. Click the **Send** button to update this printer option.

To change the printer's AppleTalk name:

1. Double-click the *Apple Printer Utility*.
2. In the **Printer Selector** dialog box:
 - a. Under **AppleTalk Zones**, select your printer's zone.
 - b. Under **Printers**, select your Phaser 7700 printer.
 - c. Click the **Open Printer** button.
3. In the printer's dialog box, click the arrow next to **Printer Preferences** to display a list of options.
4. Click the arrow next to **Name**.
5. In the text box, type the new printer name.
6. Click the **Send** button to update the printer name.

Downloading utility files from a PC

Downloading files from Windows 95/Windows 98/Windows Me

1. Select the utility file you want to send to the printer, for example *RESET.PS*.
2. In the taskbar on your screen, click **Start**, then **Programs**, then **MS-DOS Prompt**.
3. Change the directory to the location of the utility files.
4. If your printer is connected to the parallel (LPT) port, type the following command (where *x* is 1, 2, or 3):
COPY RESET.PS LPTx:

If your printer is connected to a network, refer to the "Downloading files if your printer is connected to a Novell NetWare network" section on this page.

Downloading files from Windows NT/Windows 2000

1. Select the utility file you want to send to the printer, for example *RESET.PS*.
2. In the taskbar on your screen, click **Start**, then **Run**, then type the following in the text box to access the MS-DOS Prompt.
COMMAND
3. Change the directory to the location of the utility files.
4. If your printer is connected to the parallel (LPT) port, type the following command (where *x* is 1, 2, or 3):
COPY RESET.PS LPTx:

If your printer is connected to a network, type the following command:
lpr -S <IP Address> -P PS RESET.PS

Downloading files if your printer is connected to a Novell NetWare network

This procedure lets you redirect (capture) LPT ports in Novell NetWare. NetWare queues can be captured from the DOS Prompt or captured directly from Windows. To find out if an LPT port is already captured, type the following command from the DOS Prompt:
capture show

This will list the current capture data for each virtual port.

Note

If an **ad** command or file name error occurs, run the command from the file servers Public directory.

- For NetWare 3.xx and NetWare 4.xx bindery queues:

```
capture q=[queue_name] l=[port] nb nff nt
```

where *queue_name* is the name of the queue to be captured, and *port* is the virtual port to capture to, such as LPT3.

Also, **nb** is no banners, **nff** is no form feeds, and **nt** is no tabs.

For example: **capture q=phaser_7700 l=3 nb nff nt**

Note

For NetWare 4.xx NDS queues, the queue name needs to start with a period.

For example:

```
capture q=.phaser_860_q.nds.printers.support l=2 nb nff nt
```

For Windows 95 / 98 environments:

1. From the **Details** tab of your printer's driver, select the **Capture Printer Port** button.
2. In the **Capture Printer Port** dialog box:
 - For bindery queues, enter the path as **\\server_name\queue_name**
For example: **\\nw_server\Phaser_7700**
 - For NDS queues, enter the path as **\\Tree\queue_name.context**
For example: **\\Tek\.Phaser_7700_Q.nds.printers**
3. Click the **OK** button.

Note

If the appropriate file server is not listed, click the **Attach** button and select the desired file server. Login and click the **OK** button. Within the **Operation** section, check the box next to **Permanent**, then click **Connect**. The port should then be captured.

Downloading files if your printer is connected to Windows NT

Use this procedure to redirect (capture) LPT Ports.

Under Windows NT print spooler, you create Ports based on their physical location:

- Local ports = Lpt1 / Lpt2, etc.
- IPX Port = \\NW_SERVER\Phaser
- AppleTalk Ports = WV Net 36:Phaser
- TCP/IP Ports = 162.36.62.151:PS or [AUTO]

However, if you're at a command prompt (DOS Prompt) and want to print, or copy, a PostScript file to a port that is a network port, you can do the following:

- TCP/IP Ports:

```
lpr -s [printers IP Address] -P [print queue] filename
```

For example: **lpr -S 134.62.36.70 -P PS test.ps**

- IPX and AppleTalk ports require the redefinition of the LPTX port to the network path through the use of the NET USE command.

NET USE LPT1 \\Server_Name\Queue_Name

For example: NET USE LPT1 \\NW_SERVER\Phaser

or: NET USE LPT2 \\NT_SERVER_NT\Phaser

After redirecting the port using the NET USE command you can use the COPY command to print the postscript file.

For example: C:\> COPY TEST.PS LPT1:

When finished, end the redirect with the command:

NET USE LPT1 /delete

Troubleshooting Phaser 7700 Color Printers

Getting Help

Refer to the following resources for information about your printer:

- Printer CD-ROM
- Advanced Network Management Tools CD-ROM
- Printer's front panel and internal pages
- Windows driver and driver help system
- Xerox web sites
- CentreWare IS
- PhaserSMART™
- Other online services

Printer CD-ROM

The printer's auto-running CD-ROM guides you to the various resources available for installing and learning more about your Phaser color printer.

- Read Me release notes
- Printer drivers
- Driver installers (for Mac and Windows)
- *Phaser 7700 Color Printer User Guide*
- *Advanced Features and Troubleshooting Manual* (this manual)
- *Installation Guide*
- How-to videos
- Networking information
- Consumables instructions
- Repacking instructions
- Adobe Acrobat Reader (for reading the PDF files)
- Adobe Type Manager (ATM)

Advanced Network Management Tools CD-ROM

This CD-ROM contains network management tools, including CentreWare DP, Unix tools, and the Font Downloader application.

Printer's front panel and internal pages

You can press the **Information** key at any time to get additional information about the message displayed on the front panel.

On the printer's front panel, use the **Printable Pages** menu or the **Support Menu** to print internal pages that contain information about the printer configuration, supplies information, paper tips, etc.

Windows driver and driver help system

If you are using Windows 95, Windows 98, Windows 2000, or Windows NT, install the driver from the Printer CD-ROM and access the printer driver to:

- Access interactive troubleshooting assistance from the **Technical Support** link on the **Troubleshooting** tab.
- Link to other relevant web sites from the **Troubleshooting** tab.
- View information about the printer features on the driver tabs by clicking the **Help** button on the tab.
- View troubleshooting information by clicking a **Help** button, then selecting the **Troubleshooting Guide**.

To access the Phaser 7700 Color Printer driver:

1. Click **Start**, select **Settings**, then click **Printers**.
2. In the **Printers** folder, right-click the icon for your Phaser 7700 Color Printer.
3. From the popup menu, select **Properties**.

PhaserSMART™

PhaserSMART™ is an automated, Internet-based, support system. You can access interactive troubleshooting by selecting:

- In the printer driver, the **Technical Support** link on the **Troubleshooting Tab**.
- In CentreWare IS, the **Technical Support** link, under the **Support Links** section on the **Support** tab.

Once activated, PhaserSMART launches your browser and uploads usage information from your printer. It uses a logic engine to analyze the usage data and propose a solution. If your problem is not resolved by this solution, PhaserSMART guides you to open a Service Request with Xerox Customer Support.

PhaserSMART requires that your printer has an IP address and that Information Forwarding is turned on in the printer.

Xerox web sites

www.xerox.com/officeprinting/

- Product and supplies information
- Downloading printer drivers
- Finding your local reseller
- Online documentation

www.xerox.com/officeprinting/infoSMART/

The infoSMART™ knowledge base is the same troubleshooting knowledge base used by Xerox Customer Support staff to provide the latest technical information on:

- Application issues
- Networking issues
- Printer errors
- Print-quality issues
- Troubleshooting

www.colorconnection.xerox.com/

This site helps you get the most from your color printer:

- Interactive tutorials, color printing templates, and helpful tips for using your printer and favorite software applications.
- Easy access to online technical support.
- Customized features to meet your individual needs.

CentreWare IS

For information on CentreWare IS, refer to page 29.

Other online services

Subscribe to email update notices: www.colorconnection.xerox.com/

Technical Support: www.xerox.com/officeprinting/support

To find a local reseller

See www.xerox.com/officeprinting/contacts for the most updated information.

U. S.
1-800-835-6100

Canada
1-877-662-9338

**Outside U.S. and
Canada**
Contact your local
Xerox office for a list of
local resellers

Indicator light problems

Status indicator light is off

The printer is turned off, is not ready, is disabled, or has detected an error.

- Make sure that the printer is plugged in and turned on.
- Do not plug the printer's power cord into a power strip; use a wall outlet.

Status indicator light is blinking green

- If the printer is receiving, processing, or printing a job, wait for the job to be completed or cancel the job.
- If you have entered the menu in the front panel, you can exit the menu.
- If the warm-up sequence has not finished, wait until the printer displays **Ready to Print**.

Status indicator light is blinking yellow

- The printer is still printing but there is a warning condition that needs user attention soon.

Status indicator light is blinking red

- The printer has stopped because it detected an error or condition that required user intervention, such as an open door or a paper jam. Correct the condition reported on the front panel (such as by closing the door or clearing the paper jam).
- Press the **Information** key to access more information on the error condition.
- Refer to the following pages for information about particular error conditions. For detailed information about jams, refer to the *Phaser 7700 Color Printer User Guide*.

Front panel menu

When in a menu, the front panel returns to **Ready to Print**

- The front panel menu times out and returns to **Ready to Print** if no activity occurs in the menu system in 2 minutes. The calibration menus and the **TCP/IP Address Menu** do not return to **Ready to Print**. You will not be able to print until you exit these menus.
- If you want to re-enter the menu system, highlight **Menus** and press the **OK** key.

You can press the **Information** key at any time to get additional information about the message displayed on the front panel.

Problems with automatic two-sided printing

Output is single-sided

- Make sure that you have selected two-sided printing in the printer driver.
- Make sure that your paper weight meets the following requirement: 64-105 g/m² (17-28 lbs.).

Frequent jams with two-sided printing

- Paper weight must be between 75-105 g/m² (20-28 lb. bond).

The second side of a two-sided print is upside-down

- Select the correct method for binding preference in the printer driver.
- Refer to the *Phaser 7700 Color Printer User Guide* for more information on two-sided printing and binding preference.

Letterhead paper prints on the wrong side or prints upside-down

- Refer to the *Phaser 7700 Color Printer User Guide* for more information on two-sided printing and binding preference.

Problems printing on labels

Labels are printed on the wrong side

- Make sure that the labels are loaded **face-down** in the Multi-Purpose Tray (MPT).
- Make sure that two-sided printing is **not** selected in the printer driver; you cannot print labels on two sides.
- Make sure that you have selected **Labels** as the **Paper Type**.
- Make sure you have selected Multi-Purpose Tray (MPT) in the printer driver.
- Do not use a sheet of labels if any of the labels are missing.

Printing labels from Microsoft Word

1. From the **Tools** menu, select **Envelopes and Labels**.
2. In the **Envelopes and Labels** dialog box, click the **Labels** tab.
3. In the dialog box, click on the label icon.

4. In the **Label Options** dialog box, select all of the following, depending on label size:

Letter-size:

- a. Printer: **Laser and Ink-jet**
- b. Label Products: **Avery standard**
- c. Select the label size corresponding to the Xerox label media:

Avery label sizes		Xerox label media	Xerox part number
5160	A/Letter (U. S.) 8.5 x 11 in.	100 sheets / 30 labels per sheet (each 1 x 2-5/8 in.)	016-1695-00
5164	A/Letter (U. S.) 8.5 x 11 in.	100 sheets / 6 labels per sheet (each 3-1/3 x 4 in.)	016-1696-00

Metric-size:

- a. Printer: **Laser and Ink-jet**
- b. Label Products: **Avery A4 and A5 sizes**
- c. Select the label size corresponding to Xerox label media:

Avery label sizes		Xerox label media	Xerox part number
L7163	A4 (Metric Letter) 210 x 297 mm	100 sheets / 14 labels per sheet (each 38.1 x 99.1 mm)	016-1688-00
L7165	A4 (Metric Letter) 210 x 297 mm	100 sheets / 8 labels per sheet (each 67.1 x 99.1 mm)	016-1689-00

5. Click the **OK** button to exit the **Label Options** dialog box.
6. Click the **Print** button.

Print quality problems

- Maintain a stable temperature and relative humidity for the printer. See Calibrate for Paper on page 52.
- Use only the paper recommended for this printer; see the *Phaser 7700 Color Printer User Guide*.
- Align the paper edge guides in the paper tray to fit the paper.
- Protect the print cartridge from prolonged exposure to direct light.
- Print the Printer Diagnostics pages or refer to the Phaser 7700 Color Printer to help you troubleshoot the following print problems:
 - Light Lines in one Colors — Thin, light or white lines appear in only one color.
 - Incomplete Fusing — Toner appears to be pulled off print, or is easy to rub or scratch off.
 - Repeating Defects — Marks or voids recur uniformly in only one color. Marks of any color or voids recur uniformly in all colors and/or in non-printed areas.
 - Image Offset — Toner appears to have been pulled off the page and placed about 84 mm (3.3 inches) across the page from where it should be.
 - Printing is too light or too dark in all colors.
 - Solid fills appear mottled or splotchy.
 - Blacks appear blue.
 - Colored or black lines/smudges streak all colors — black and/or colored areas appear on the page in all colors and/or in non-print areas.
 - Color misregistration — Color has shifted outside the designated area or has been superimposed over another color.
 - If your margins are incorrect on media that was fed from the Multi-Purpose Tray (MPT), ensure that the paper guides are correctly positioned. Refer to the labels on the Multi-Purpose Tray (MPT) for more information.

To print the Print-Quality Diagnostic Pages:

1. On the front panel, scroll to the **Support** menu by pressing the **Up** or **Down Arrow** key.
2. Press the **OK** key.
3. Scroll to the **Improve Print Quality?** menu by pressing the **Up** or **Down Arrow** key.
4. Press the **OK** key.
5. Scroll to the **Print Diagnostic Pages** menu by pressing the **Up** or **Down Arrow** key.
6. Scroll to the page that you want to print by pressing the **Up** or **Down Arrow** key.
7. Press the **OK** key to print the pages.

Prints have dull, faded colors

- When printing transparencies, only use Phaser 7700 transparency film, which has been specially formulated for use in this printer, and make sure that you have selected **Transparency** in the **Paper Source** field in the printer driver.
- Increase the print quality or try a different color correction. Refer to the *Phaser 7700 Color Printer User Guide* or print the Diagnosing Print-Quality Problems page from the **Printable Pages Menu** for more information.

Prints in black-and-white instead of color

- In the printer driver, check if the TekColor Correction is set to **Black and White**; if it is, choose a different color correction. Refer to page 3 for more information.
- If using a Macintosh:
 - Make sure that you are using the correct PPD file with the latest Apple LaserWriter printer driver, that supports color PostScript.
 - In the **Print** dialog box, make sure that **Color/Grayscale** is selected. Some applications require special files to print in color. Make sure that these files are properly installed. For information, refer to the topics on the printer's CD-ROM or the Xerox web site.
- If using a PC:
 - Be sure to use the correct printer driver from the printer's CD-ROM.
 - Make sure the application you are using is set up to print in color.

Blue colors look too purple

- If printed blue colors look too purple, print your document with the **Vivid Color** color correction. Refer to page 2 for more information.

Transparency print quality is poor

- Only use Phaser 7700 Color Printer transparency film, which has been specially formulated for use in this printer.
- Try setting **sRGB Vivid** as the color correction. Refer to page 3 for more information.
- Make sure that you have selected **Transparency** in the printer driver.

Print is wrinkled or rippled

- If your paper is smooth, glossy, or coated, try a different type of paper. Use only supported paper types.
- Use single-sided printing instead of double-sided printing.

Calibrate for Paper

If you are not satisfied with the print quality on the paper that you are using, you can calibrate the Phaser 7700 Color Printer for the specific paper type that you are using. Calibrating paper can change your printer settings for a particular paper type under your specific humidity conditions. You must place the paper that you want to calibrate in your Multi-Purpose Tray (MPT). The paper type (Laser Paper, Heavy Paper, etc.) that you select for the Multi-Purpose Tray (MPT) is the type that you are calibrating. Once you have calibrated this paper type, it will be calibrated for all trays. Print the Calibrate for Paper page and follow the instructions to calibrate your paper:

Note

If you cancel the calibrating for paper procedure while printing, it changes the setting to that of the last page printed. The current setting is only maintained if the procedure is allowed to complete.

1. On the front panel, scroll to the **Support** menu by pressing the **Up** or **Down Arrow** key.
2. Press the **OK** key.
3. Select the **Improve Print Quality?** menu by pressing the **Down** or **Up Arrow** key.
4. Press the **OK** key.
5. Select the **Calibrate for Paper Menu** by pressing the **Down** or **Up Arrow** key.
6. Press the **OK** key.
7. Select the **Print Calibrate for Paper Pages** by pressing the **Down** or **Up Arrow** key.
8. Press the **OK** key to print the calibration reference pages.

Note

When you review your reference pages, use the page with the Transfer Setting closest to zero where there is no toner adherence problem.

Printing problems

The printer times out when connected to a parallel port

- Windows users: To change the timeout for transmission retry, refer to the Microsoft Online Help for instructions.

Part of the image is missing or the image is clipped

- For more details on page sizes, print areas, and margins, refer to the *Phaser 7700 Color Printer User Guide*. To maximize the image area, you may have to adjust the margins in your application software.
- In your application, check the setting for **Image Size**.
- Make sure you have selected the correct paper size in the printer driver.

- Make sure you have selected Page Setup after changing printers.
- Ensure that the Multi-Purpose Tray (MPT) guides and the paper tray guides are correctly set.

Problems printing from a specific application

- Get information and tips on printing from specific applications (such as QuarkXPress and PageMaker) from the Xerox web site. Refer to page 46 for more information.

Fonts print incorrectly in Windows

- If you have downloaded fonts to your printer, or stored additional fonts on the internal hard drive, you may need to reinstall the fonts.
- If you are using PostScript fonts, make sure ATM (Adobe Type Manager) is installed and configured properly. ATM software is shipped with your printer.

Text prints in Courier font

- The font you have specified is not available so the printer substituted the Courier font. The printer has 136 resident fonts. Other fonts must be set up from the printer driver to print with each job.

Preventing media jams

Use the following guidelines to prevent media jams inside the printer.

- Make sure the printer is on a flat, level surface.
- Do not add media above the tray's fill line.
- Ensure that the paper guides are tight against the stack of paper in the trays or the Multi-Purpose Trays (MPT)
- Media:
 - Use only the recommended media. Refer to the *Phaser 7700 Color Printer User Guide* or print the Paper Tips Page from the printer's front panel.
 - For transparencies, only use Phaser 7700 transparency film, which has been specially formulated for use in this printer.
 - Use clean, undamaged paper. Keep paper and other supplies clean and free from dust. Paper that has been sitting out of its sealed wrapper can become distorted, causing paper jams. Keep paper sealed until you are ready to use it for printing.
 - Do not use paper that has been creased or wrinkled.
 - If paper is still jamming, flip the paper over in the paper tray
 - Do not print on sheets of labels that are missing labels.
 - Use only Phaser 7700 Color Printer Labels.
 - Do not use perforated paper, or odd-sized paper.
 - For three-holed paper, make sure margins are adjusted to avoid printing over the holes.
- In high-humidity conditions, or when using speciality papers that can be printed on both sides: Remove the paper from the paper tray, turn over the stack of paper, and reinsert the paper into the tray.

Calibrate Margins

You can print a calibration reference page to evaluate if left and right margins need to be adjusted and by how much. Print the Calibrate Margins page and follow the instructions to calibrate your margins.

1. On the front panel, scroll to the **Support** menu by pressing the **Up** or **Down Arrow** key.
2. Press the **OK** key.
3. Select the **Improve Print Quality?** menu by pressing the **Down** or **Up Arrow** key.
4. Press the **OK** key.
5. Select the **Calibrate Margins Menu** by pressing the **Down** or **Up Arrow** key.
6. Press the **OK** key.
7. Select the **Print Calibrate Margins Page** by pressing the **Down** or **Up Arrow** key.
8. Press the **OK** key to print the calibration page.

Note

If the Calibrate Margins Page is printed on duplexable media, instructions for adjusting Side 2 margins are printed on the page and Side 2 is marked with dashed lines.

Restore factory defaults

You can reset margin settings to the factory-default values.

Caution

Use caution when resetting your margin settings to the factory-default settings. Changing these settings back to factory defaults may not be the last-saved settings if you have previously calibrated your margins.

1. On the front panel, scroll to the **Support** menu by pressing the **Up** or **Down Arrow** key.
2. Press the **OK** key.
3. Select the **Improve Print Quality?** menu by pressing the **Down** or **Up Arrow** key.
4. Press the **OK** key.
5. Select the **Calibrate Margins Menu** by pressing the **Down** or **Up Arrow** key.
6. Press the **OK** key.
7. Select the **Restore Factory Defaults** by pressing the **Down** or **Up Arrow** key.
8. Press the **OK** key.

Specifications for the Phaser 7700 Color Printer

Temperature

Operating: 10 degrees C to 32 degrees C (50 degrees F to 90 degrees F)

Non-operating: -30 degrees C to +50 degrees C (-22 degrees F to 122 degrees F)

Humidity

Operating: 10% to 85% relative humidity, non-condensing

Non-operating: 30% to 85% relative humidity, non-condensing

Altitude

Operating: 0 to 2,500 m (0 to 8,000 ft.) above sea level

Shipping: 0 to 6,092 m (0 to 20,000 ft.) above sea level

Primary voltage ranges

110 - 127 VAC, 110 VAC nominal

220 - 240 VAC, 220 VAC nominal

Frequency range

50/60 Hz

Primary fusing

110-127 VAC, 220-240 VAC, 12 Amps and 5 Amps (Not user-accessible)

Power Consumption

State	Average Power	Maximum Allowable
Warming up	500 Watts	N/A
Continuous printing	500 Watts	N/A
Standby	130 Watts	N/A
ENERGY STAR® (optional)	45 Watts	70 Watts

Dimensions of the printer (without a High-Capacity Paper Tray Assembly)

Depth: 682 mm (26.9 in.)

Width: 644 mm (25.4 in.)

Height: 493 mm (19.4 in.)

Weight of the printer

82 kg (180 lb.)

Dimensions of the printer with the optional Lower Tray Assembly

Height: 857 mm (33.7 in.)

Depth: 682 mm (26.9 in.)

Width: 644 mm (25.4 in.)

Sound level

Sound Power (L_{wAd})

Printing: $L_{wAd} = 6.9$ Bels (A)

$L_{wAd} = 6.9$ Bels (A)

Standby: $L_{wAd} = 4.4$ Bels (A)

Regulatory Information for Phaser 7700 Color Printers

The equipment described in this manual generates and uses radio frequency energy. If it is not installed properly in strict accordance with Xerox's instructions, it may cause interference with radio and television reception or may not function properly due to interference from another device. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiver (device being interfered with).
- Increase the separation between the printer and the receiver.
- Connect the printer into an outlet on a circuit different from that which the receiver is connected.
- Route the interface cables on the printer away from the receiver
- Consult the dealer, Xerox service, or an experienced radio/television technician for help.

Changes or modifications not expressly approved by Xerox can affect the emission and immunity compliance and could void the user's authority to operate this product. To ensure compliance, use shielded interface cables. A shielded parallel cable can be purchased directly from Xerox at www.xerox.com.

Xerox has tested this product to internationally accepted electromagnetic emission and immunity standards. These standards are designed to mitigate interference caused or received by this product in a normal office environment. This product is also suitable for use in a residential environment based on the levels tested.

In the United States this product complies with the requirements of an unintentional radiator in part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference; (2) this device must accept any interference received, including interference that may cause undesired operation.

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications, ICES-003.

Le présent appareil numérique n'émet pas de bruits radioélectrique dépassant les limites applicables aux appareils numériques de la classe B prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada, ICES-003.

Xerox Corporation, declares, under our sole responsibility that the Phaser 7700 color laser printer (Z7700) to which this declaration relates, is in conformity with the following standards and other normative documents:

In the European Union;

following the provisions of the Low Voltage Directive 73/23/EEC and its amendments:

EN 60950 (IEC 950)	"Safety of Information Technology Equipment including Electrical Business Equipment"
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following the provisions of the Electromagnetic Compatibility Directive 89/336/EEC and its amendments:

EN55022:1998 (CISPR 22)	"Limits and Methods of measurement of radio interference characteristics of Information Technology Equipment." Class B.
EN61000-3-2:1995 :+A!:1998:+A2:1998. (IEC61000-3-2)	"Part 3: Limits - Section 2: Limits for harmonic current emissions (equipment input current ≤ 16A per phase)."
EN61000-3-3:1995 (IEC61000-3-3)	"Part 3: Limits - Section 3: Limitation of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current ≤ 16A."
EN55024:1998 (CISPR 24)	"Information technology equipment - Immunity characteristics - Limits and methods of measurement. "

CISPR 24 Immunity Phenomena	Basic Standard	Test Specification
Electrostatic Discharge	IEC61000-4-2:1995	6kV Contact, 10kV Air
Radio-Frequency Electromagnetic Field (radiated)	IEC61000-4-3:1995	80-1000 MHz, 3V/m
Fast Burst Transients	IEC61000-4-4:1995	5/50 Tr/Th ns 5kHz Rep. Freq 0.5kV on Signal Lines 1kV on AC Mains
Line Surge	IEC61000-4-5:1995	Combination wave 2.0kV Common mode 2.0kV Differentia mode
Radio-Frequency Electromagnetic Field (Conducted)	IEC61000-4-6:1996	0.15 - 80 MHz 3V, 80% AM @ 1kHz
Line voltage dips	IEC61000-4-11:1994	>95% dip for ½ cycle @ 50 Hz 40% dip for 5 cycles @ 50 Hz 70% dip for 25 cycles @ 50 Hz
Line voltage drop-out	IEC61000-4-11:1994	>95% dropout for 250 cycles @ 50 Hz

This product, if used properly in accordance with the user's instructions is neither dangerous for the consumer nor for the environment.

A copy of the signed Declaration of Conformity for this product can be obtained from Xerox.

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