

# Using the PhaserPrint Plug-in for Photoshop

The PhaserPrint plug-in operates within the Photoshop application to improve the image data transfer time from your Macintosh to your printer. The Phaser 340 CD-ROM and the Printer Software for the Macintosh diskette contain the PhaserPrint plug-in file for use with Photoshop and Phaser 340 printers and other supported Tektronix printers.

PhaserPrint software is compatible with Photoshop 2.0 and higher, and System 7.0 and higher. PhaserPrint software only produces correct output on supported 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, or colors may look incorrect, or your file may not print.

The PhaserPrint plug-in also works under QuickDraw GX if your default desktop printer refers to a printer supported by the PhaserPrint software.

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## Installing the plug-in

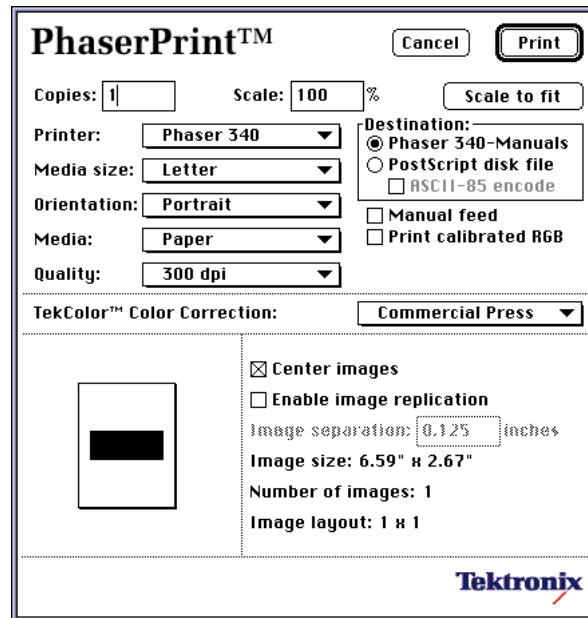
1. Use the installer application to install the *PhaserPrint* plug-in.

Select one of the standard options to automatically install all of the printer's software, or select the **Phaser 340 Utilities** option.

2. Locate the *PhaserPrint* icon in the *Phaser 340 Utilities* folder inside the *PhaserTools* folder created by the installer application.
3. Move the *PhaserPrint* icon to the Photoshop application folder, and locate the correct folder for installing the plug-in. The folder is probably called *Photoshop Plug-Ins*. (Refer to your Photoshop documentation for more information on locating plug-ins.)
  - **Photoshop 2.0:** Locate the folder containing the *PS Prefs* file.
  - **Photoshop 2.5:** Locate the folder containing other plug-ins.
  - **Photoshop 3.0:** Locate the *Acquire/Export* folder inside the *Plug-ins* folder.

## Using the plug-in

1. Open Photoshop and an image.
2. Open the **Chooser** and select a PostScript driver (such as the LaserWriter 8.x) and your Phaser 340 printer, or select an appropriate QuickDraw GX desktop printer.
3. From the **File** menu, highlight **Export** to see the pop-up menu. Select **PhaserPrint** from the list; the **PhaserPrint** dialog box appears.
4. In the **Printer** field, select **Phaser 340**.



The image shows the PhaserPrint™ dialog box, which is used for configuring print settings. It includes fields for Copies, Scale, Printer, Media size, Orientation, Media, Quality, Destination, TekColor™ Color Correction, and a preview area. The Tektronix logo is visible in the bottom right corner.

**PhaserPrint™** [Cancel] [Print]

Copies: 1 Scale: 100 % [Scale to fit]

Printer: Phaser 340

Media size: Letter

Orientation: Portrait

Media: Paper

Quality: 300 dpi

Destination:  
☒ Phaser 340-Manuals  
☐ PostScript disk file  
☐ ASCII-85 encode

☐ Manual feed  
☐ Print calibrated RGB

TekColor™ Color Correction: Commercial Press

☒ Center images  
☐ Enable image replication  
Image separation: 0.125 inches  
Image size: 6.59" x 2.67"  
Number of images: 1  
Image layout: 1 x 1

**Tektronix**

- PhaserPrint software bypasses the printer driver selected in the **Chooser**. Use the page setup and printing option selections in the **PhaserPrint** dialog box to print your images to your Phaser 340 printer.
- PhaserPrint software supports the following image modes selected from Photoshop's **Mode** menu. If you select a mode not listed here, an error message appears and your image is not printed.
  - Grayscale
  - Indexed Color
  - RGB Color
  - CMYK Color
  - Lab Color

However, in Photoshop 2.0, if you select an image mode not supported by the PhaserPrint software, the following inaccurate error message appears:

**Could not complete the "PhaserPrint..." command because the export module does not work with Bitmap images.**

The error message does not list the specific unsupported color mode you selected.

## Selecting options in the PhaserPrint dialog box

- **Copies:** Type in the number of copies to print, from 1 to 1000.
- Scaling an image
  - **Scale:** Type in the percentage the image should be scaled, from 10 percent to 400 percent. Use this option with the **Enable image replication** option to produce multiple copies of an image on a single page.
  - **Scale to fit:** Click this button to scale the image to the largest size that will fit the image area of the currently selected page size or orientation. This option automatically updates the value in the **Scale** field.
  - **Image does not fit page and will be clipped when printed.** This message appears in the dialog box whenever a scaled image will not fit within the image area of the currently selected page size or orientation option.
- **Printer:** This pop-up menu lists the printers supported by the PhaserPrint software. Select your printer model (Phaser 340) before selecting a paper size in the **Media Size** field. The setting you make in this field remains in effect until you change it.
- **Media:** Select one of the following options in the pop-up menu. The setting you make in this field remains in effect until you change it. If the **Manual Feed** box is checked, then only **Paper** and **Transparency** are available in the **Media** list.
  - Upper Tray
  - Lower Tray
  - Paper
  - Transparency

- **Media Size:** Select a paper size from this pop-up menu. Paper sizes are printer-specific; select your printer in the **Printer** field before selecting a paper size. The setting you make in this field remains in effect until you change it.

Paper sizes	Dimensions	Image area
Letter	8.5 x 11 ins.	8.11 x 10.45 ins.
A4	210 x 297 mm	200 x 283 mm

- **Orientation:** Select either **Portrait** (vertical) or **Landscape** (horizontal) in the pop-up menu. The setting you make in this field remains in effect until you change it. Refer to the **Stylized representation of the page**, in the lower left corner of the dialog box, to see how the orientation selection will look when printed.
- **Quality:** Select one of the following options in the pop-up menu. The setting you make in this field remains in effect until you change it.
  - 300 dpi\*
  - 600x300 dpi\*

(\*These options are available with the printer's extended features option only.)

- **Destination:** This field allows you to choose between printing an image or saving the image to disk.
  - The first radio button lists the name of the printer currently selected in the **Chooser**. If the selected printer is not a PostScript printer, this button is labeled **Not network printer** and the option is unavailable (grayed-out).
  - The second radio button, **PostScript disk file**, lets you save an image to disk as a PostScript Level 2 file. When you click the **Save** button, another dialog box appears allowing you to choose a new or existing file for saving the PostScript code.

Also, when the **PostScript disk file** radio button is selected, the option *ASCII-85 encode* becomes available. If this option is selected, the image data is encoded using an ASCII-85 filter during file output, making the resulting PostScript file portable so it can be downloaded through interface ports that don't support binary data. If this box is not checked, image data is output in binary format.

- **Manual feed:** Check this box to manually feed media into the printer. The current settings for **Media Size**, **Orientation**, and **Media** apply to the type of media manually fed. The default for this option is **off**.
- **Print Calibrated RGB:** This box is checked **on** by default if the current image mode is RGB. Whenever **Print Calibrated RGB** is selected, the **TekColor Color Correction** options are unavailable (grayed-out). When the **Print Calibrated RGB** box is selected, RGB mode images are printed using the Calibrated RGB color space as determined by Photoshop's Monitor Setup in order to match the currently selected monitor's colors to the printer's colors. If this box is unchecked, RGB images are printed using the DeviceRGB color space. This option is unavailable (grayed-out) if the image is not RGB. The setting you make in this field remains in effect for RGB images until you change it.

- **TekColor Color Correction:** Select from the options in the pop-up menu. The setting you make in this field remains in effect until you change it. This option is unavailable (grayed-out) if the selected **Mode** in Photoshop is **Lab Color**, or if **Print Calibrated RGB** is checked **on**.
  - None
  - Vivid Color
  - Simulate Display
  - SWOP Press
  - Euroscale Press
  - Commercial Press
  - Monochrome
  - Use Printer Setting
- **Stylized representation of the page:** The area in the lower left of the dialog box is a stylized representation of the page as it would look when printed using the current selections in the **Scale**, **Printer**, **Media Size**, **Orientation**, **Enable image replication**, **Center images**, and **Image separation** options. When you change any of these selections, the representation of the page is redrawn to reflect the new selection.
- **Center images:** Check this box to center the image in the image area of the page. If this box is not checked, the lower left corner of the image is aligned with the lower left corner of the image area of the page. The setting you make in this field remains in effect until you change it.

If the **Center images** box is checked *and* the **Enable image replication** box is checked, the set of replicated images are centered in the image area of the page.



- **Enable image replication:** Check this box to fill the image area of the page with as many copies of the image as will fit. When this box is checked, the **Scale to fit** button is unavailable (grayed-out). The size of each replicated image is determined by the setting in the **Scale** text box. If the size of each replicated image (shown as black rectangles in the stylized representation of the page) is too small to display, the total image area of the printed page is shown as a single gray rectangle.
- **Image size:** Reflects the dimensions, in inches or millimeters, of the image as specified in the **Scale** box. If the value in the **Scale** box is out-of-range, the image dimensions are displayed with question marks.
- **Number of images:** Displays the number of scaled images that will fit in the image area of the currently selected **Media Size** and **Orientation** options. The **Number of images** reflects the current **Image separation** value. If the **Enable image replication** box is not checked, this number is set to 1. If either of the **Scale** or **Image separation** values are out-of-range, a question mark is displayed.

- **Image layout:** Shows how the scaled images will fit horizontally and vertically in the image area of the currently selected **Paper** and **Orientation** options. The **Image layout** reflects the current **Image separation** value. If the **Enable image replication** box is not checked, this number is set to **1 x 1**. If either of the **Scale** or **Image separation** values are out-of-range, question marks are displayed.
- **Image separation:** This option is only available if the **Enable image replication** box is checked. Type in an amount, in inches or millimeters, to specify the amount of separation between each replicated image. The setting you make in this field remains in effect until you change it.
  - A larger amount reduces the number of images that can be printed at one time.
  - The minimum allowed separation value is **0** inches.
  - The maximum separation value is **4** inches (or the metric equivalent).
  - The default separation value is **0.125** (one-eighth) inches (or the metric equivalent).
  - Valid characters for this field are **0** to **9** and a period (or decimal point).

As you type in a value, the stylized representation of the page, and the **Number of images** and **Image layout** values, are dynamically updated. If the value entered in the **Image separation** field is out-of-range, the values in these other fields are replaced by question marks, and no images are shown in the stylized representation of the page. If the value is out-of-range, and you click the **Print** or **Save** button, the following alert is displayed:

**The value for Image separation is out of range. It will be replaced with the closest allowed value.**