

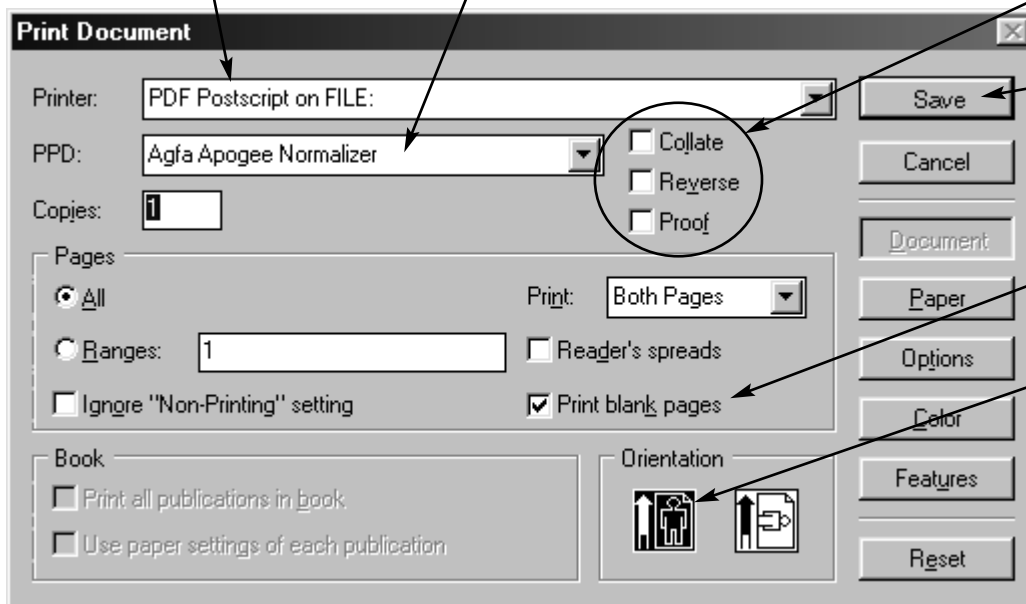
Creating “clean” pdf files requires proper set-up of print drivers as well as print dialog box information. This segment details the proper set-up of print dialog box information when using PageMaker 6.5 or 7.0 on a PC computer. Information on current print drivers, their use, and installation can be found on our web site. Use of specified print drivers and ppd’s are to ensure pdf’s are “generic” and don’t contain device specific information that may result in output errors. Correct print dialog box information ensures all necessary information is accurately included when postscript (.ps) files are created. Please review the information on our web site concerning the proper set-up and use of Adobe Acrobat Distiller.

Before creating PS files from your application, double-check these items:

- Make sure that the correct print driver and ppd is installed and currently selected.
- Make sure your document is set to the correct trim size with bleeds extending at least 1/8" beyond trim.
- Make sure fonts are loaded and contain both printer and screen fonts, including fonts used in imported eps graphics.
- Make sure all graphics and images are high resolution and properly linked.
- All grayscale photos must be in grayscale format (not CMYK or RGB).
- Make sure color photos are in CMYK format (not RGB).
- Make sure unused colors have been deleted from the color palette, and all used colors are designated correctly (as spot or process CMYK build, no RGB).

The “Apogee.ppd” is a post script printer description which Bang Printing can provide to you. Although it is not absolutely necessary, it will help to ensure clean and usable postscript files which are not device-specific. The “Apogee.ppd” should be placed along with the other ppd’s used by PageMaker. These files are inside a folder called PM65 which is located in the “Program Files” folder on your hard drive. Inside the “PM65” folder, inside the “Rsrc” folder, inside the “US English” folder, inside the “PPD4” folder, is the correct location for the “Apogee.ppd”.

- The name of the selected printer will be here.
- This should read “Agfa Apogee normalizer”.

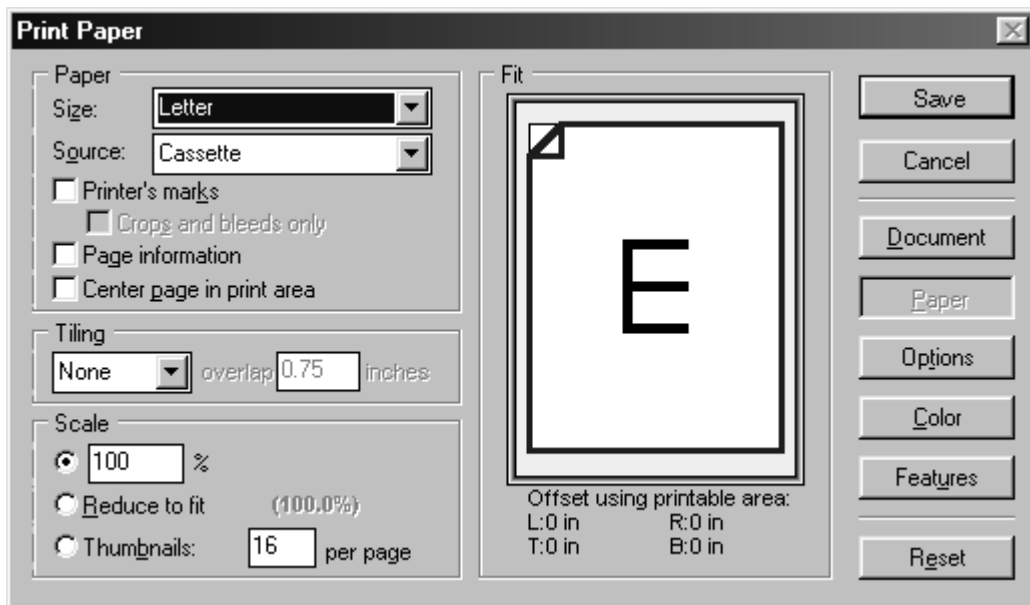


- All of these options must be unchecked.
- When using a printer that is set-up to create a file to disk, the print button changes to “Save”.
- “Print Blank Pages” must be selected.
- Orientation must be portrait.
- Either print “all” pages or specify a range.

Click on the "Paper" button.

- Set the Size to "Custom" and specify a custom page size.

NOTE: If your job has NO BLEEDS, set the custom size to the same width and height as the trim size of your job, leave the "Printer's marks", "Page information" and "Center page in print area" deselected.

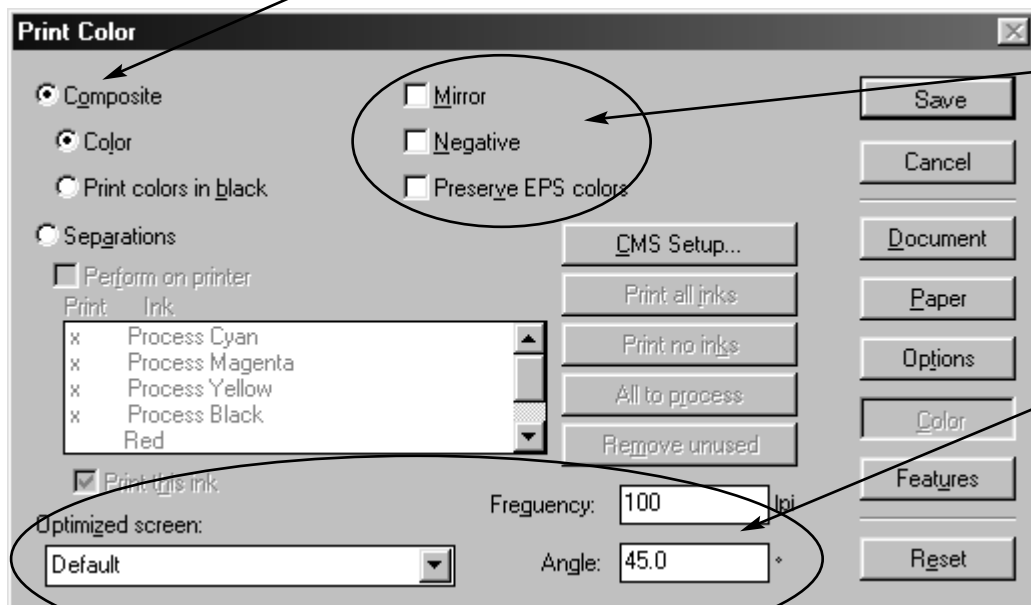


- If your job HAS BLEEDS, set the custom size at 1" wider and taller than the actual trim size of your job, and check the boxes beside "Printer's marks" and "Center page in print area". Page information is unnecessary.

- Set Tiling to None, and Scale to 100% as shown.

Click on the "Color" button.

- Select the "Composite Color" button regardless of whether the job is color or black and white. Our RIP operators and software will apply the correct screening information and handle separations and trapping.

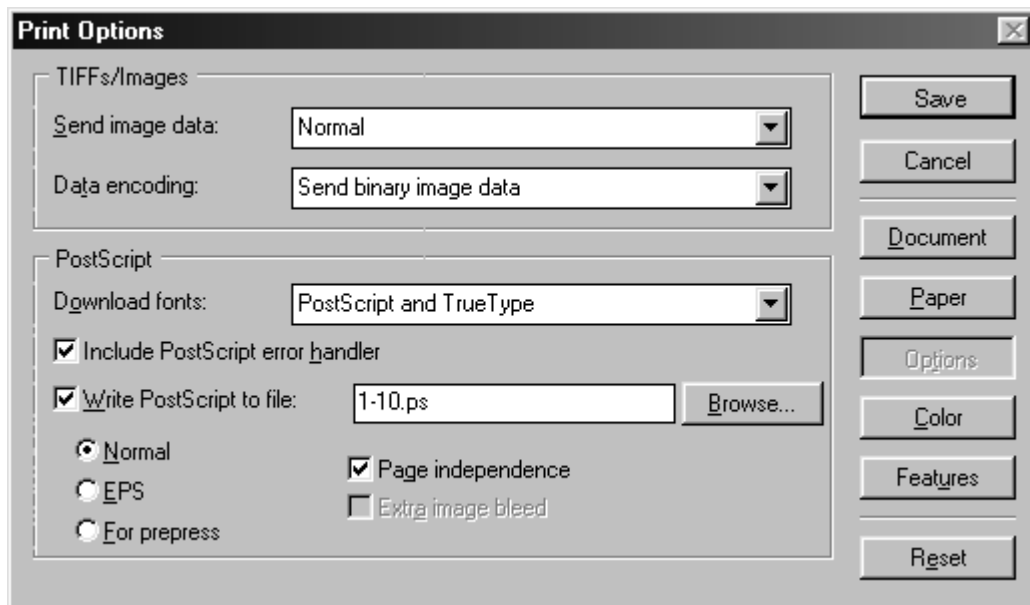


- These options should be deselected.

- This information will be overwritten and does not effect final output.

Click on the “Options” button.

- Set up the window as shown.
- The “Browse” button will allow designation of file name and location.
- Select “Page independence”.



- Click “Save” and PageMaker will begin writing the postscript file. The time required to perform this function will depend on the number of pages as well as the number and size of graphics. We suggest naming postscript files based on the pages they contain (ex: i-x, 1-50).
- When built to these specifications, postscript files will contain all necessary information about text, fonts and graphics. When these postscript files are run through Adobe Acrobat Distiller, a PDF (Portable Document Format) file is generated which will be viewable. This enables you to check and print your files to ensure that they are as you intend them to print. In addition, compression is available within Distiller which will make the PDF file significantly smaller than its corresponding postscript file without loss of quality. Please review the information on our web site regarding PDF file creation.