SuperPrint 4.0
Advanced Printing Tools for Windows
Reviewers Guide

Introduction

SuperPrint 4.0 is a set of advanced printing tools for Windows designed to provide faster, better and smoother printing. SuperPrint transforms printing in all versions of Windows into a true 32-bit process. For example, in Windows 95, SuperPrint replaces the 16- and 32-bit hybrid technology with complete 32-bit performance (for an in-depth discussion, please see the *SuperPrint 4.0 White Paper*). Through implementation of SuperPrint's 32-bit queuing architecture and 32-bit "**SuperDrivers**," its technology produces more efficient background printing and smoother multitasking. Windows NT users will especially benefit from SuperPrint's wide range of SuperDrivers**,** as many devices don't otherwise print from Windows NT. SuperPrint's SuperDrivers dramatically enhance the appearance of your output from any Windows applications. The SuperDrivers offer controls for sharpness, contrast, lightness, saturation and dot gain. Each SuperDriver is pre-tuned to its corresponding printer by Zenographics' printing experts to optimize the capabilities of the printer. SuperPrint's image filters let users preview and print images without opening applications, and add automatic lightness and contrast enhancements, providing the best possible output from the first time SuperPrint is used.

SuperPrint includes a set of tools designed to make printing easier:

Tools	Features
File Drivers	Generate BMP, TIFF, GIF, JPEG, TGA & PCX files from any application
SuperQueue	Advanced Win32 spooler; job logging; supports drag-and-drop
ZScript	Now interprets Level 2 PostScript; screen preview
Print Processors	Directly print popular images files; no additional applications needed
Print Preview	Preview any bitmap or PostScript file before printing
Network Printing	Fast, ultra compact SuperMetaFiles for more efficient printing
Color Correction	User-adjustable hue matching
Halftoning	Forty-one advanced halftoning methods
Image Filters	Automatic adjustments to lightness and contrast

Getting Started

SuperPrint includes "Getting Started" information (located in its CD case) with quick and easy setup procedures for installing the software. There's also a README4.WRI file, which includes up to the minute information about the software, and a section in SuperHelp (the program's in-depth help system) to guide new users.

SuperPrint Documentation

To get the best results from SuperPrint**,** please review the Introducing SuperPrint manual enclosed in the SuperPrint box. Quick help about what commands, buttons, and menus do inside SuperPrint is available in the help files.
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Suggested Test Procedures

Test 1: Drag-and-drop printing

SuperPrint's drag-and-drop feature enables you to print bitmaps by simply dragging them to the printing queue (SuperQueue). Unlike Windows, which also supports drag-and-drop printing, SuperPrint does not open associated programs in the background prior to printing. Windows will only print files which have an associated program. For example, if you drag a GIF file to a Windows printer and do not have a program which opens GIF files, Windows 95 cannot print the file. SuperPrint solves this with filters which translate bitmaps without the need for associated programs.

Example   Printing graphic files via drag-and-drop is faster, easier and more efficient with SuperQueue than dragging files to Windows' standard printer queues.

1. With SuperQueue closed, open the standard Windows printer queue for your printer. Drag WINTER.BMP from the SAMPLES\BMP directory on the SuperPrint CD to the queue (if you are using Windows NT, drag the file over from File Manager). Note how Windows opens Paintbrush (PBRUSH.EXE) in the background, and the amount of time taken before the file is printed.
2.
3. Open SuperQueue. Drag WINTER.BMP to your printer's queue in SuperQueue. Notice that Paintbrush is **<u>not</u>** launched in the background. Instead, the file is immediately processed by the BMP filter, and sent to the printer much faster.
4.
5. **Other Bitmaps**
6. If you were to follow the same steps above using a GIF, JPEG, or TIFF file, you would not be able to print without one of SuperPrint's filters. Windows does not include a program which supports GIF, JPEG or TIFF files. Therefore, unless you have installed a program which supports these types of bitmaps, **you could not print these files without SuperPrint**.

Level 1 & 2 PostScript Support
In the same manner that you can drag bitmaps files into SuperQueue, Level 2 PostScript files may be printed. Just drag your PostScript or EPS files to a printer queue SuperQueue, and the PostScript filter will translate the file to Windows GDI for printing to non-PostScript printers. To try this, just drag a file from the SAMPLES\PSCRIPT directory on your SuperPrint CD.

Test 2: Print Preview

SuperPrint provides a print preview feature for bitmap and PostScript added to SuperQueue.

Example   Using the Print Previewing feature can help you identify problems prior to printing, enable you to copy and paste images into documents (a great tool for PostScript files), and save jobs to metafiles.

7. Open SuperQueue. Add a BMP, TIFF, GIF, JPG, or PostScript file to a printer queue using the **File/Add** menu option or the **Add Documents** button. Select a file to add, make sure "**Hold Selected Document(s)**" is checked (default), and click the **Add** button.
8. Click the **OK** button on the filter dialog and the file will be processed. The file becomes a paused print job in the queue.
9. Using your mouse, highlight the job, and select the **Document/Print Preview** menu option, or click on the **Print Preview** button. In

Windows 95, you can also click the right mouse button to bring up a menu with the **Print Preview** option.

10. The Print Preview screen provides you options to view pages in succession, or up to two pages simultaneously. You can also zoom in and out on pages, copy their contents to the clipboard, or save to a metafile (enhanced or Windows).

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Note: To print a file after previewing, click the **Close** button and then release the document to the printer by using the **Document/Release Document** menu option or the **Release Document** button. In Windows 95, you can also click the right mouse button to bring up a menu with the **Release Document** option.

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Test 3: Bitmap *SuperDrivers*

SuperPrint provides SuperDrivers for creating bitmap files from any application. This ability enables you to export work from one application to another without any complications.

Example Creating image files for the Internet from any application is easy using the GIF or JPEG SuperDriver.

14. Start an application such as MS Word and open or create a document. Print your document, using the GIF or JPEG SuperDriver as your target printer (instead of your usual printer). You will be asked to name the output file. See online **Help** for help on naming files in each Windows platform.

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16. You can also use the BMP, PCX, DCX, or TGA SuperDrivers to create bitmap files. These files can then be imported into documents, distributed as image files, or printed.

Test 4: Improving output quality

The SuperDrivers in SuperPrint allow for adjustments for the unique characteristics of each printer, providing the sharpest graphics and most vibrant colors possible. Each SuperDriver is "factory pre-tuned" by Zenographics printing experts so users can get dramatic improvements the first time they use SuperPrint. The easy to use controls allow further manual adjustment to provide the look that suits users' needs.

Example Printing a graphic using SuperPrint versus a standard printer driver will demonstrate the difference in output quality.

17. Open GOODFACE.BMP (found in SAMPLES\BMP on your SuperPrint CD) using Paintbrush or other graphics application. Print the image with your standard printer driver selected.

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19. Next, print GOODFACE.BMP by dragging the file to your printer's queue in SuperQueue. (Make sure you drag it to the SuperDriver!)

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21. Compare both printed images and note the difference in quality between the two. Specifics to look for are the differences in the colors (brightness, clarity), sharpness of lines (strands of hair, eye lashes) and halftones (smooth patterns in gray areas and solid colors).

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