

p4psShell
version 1.22
by Guy Gallo

Install

IMPORTANT: If you do not have a copy of gLib in your NORMAL.DOT you must install gLib as well as p4psShell.

OverView

p4psShell requires the existence of the DOS program **P4PS.EXE**, a postscript printing utility by Robert E. Blaine. If you do not have this utility then the included macro will fail completely.

You can download P4PS.EXE version 2.01 from the IBMHW forum. Robert E. Blaine can be contacted directly at CIS 73267,1664.

P4PS.EXE is a ShareWare program. If you use it, please register.

Before proceeding much further with this macro, please *read the documentation that accompanied **P4PS***.

Installation

G4PS.DOC - This document. A Word for Windows document/template containing two macros: p4psShell and glib. Load (as you have) and double click on the macro button at the top of the document. If you do not currently have a copy of gLib in your NORMAL.DOT you must install gLib as well as the main macro p4psShell.

P4PS.PIF - A Program Information File to allow P4PS.EXE to run in a Windowed DOS session. Copy this file to your PIF directory (if you have one) or to your Windows directory (if you do not).

P4PS.EXE -The program file. This program is not distributed in this package. You must get it yourself. Install in your path.

Usage

p4psShell presents you with a dialog box of most of the options available for **P4PS**. Below is a description of each of the options:

Printing File

By default the proposed file to send to the printer is the current document with the extension PSP (sort of comes from the idea of a **PostScript Printfile**)

Save PSP file.

This check box determines whether or not you wish to delete the temporary print file (the PSP file).

Note: if you are printing in the background you cannot delete this PSP file until printing is complete

Confirm Command

When checked the macro will pause and display the command line before shelling to P4PS.

The title bar of the confirm box will display the number of character in the command line. If this exceeds 128 you should remove lowercase letters in commands that have abbreviated form (e.g. /BOR:None can be sent as /BOR:N).

Destination:

Where to send the output of P4PS

Virtual pages per page

This option only applies to Normal mode (the default).

It specifies how many virtual pages to place on each physical pages. This value can be: 2,4,8,16,32,64.

Values up to 8 are legible.

Values 16, 32, and 64 might be used for confirmation of page layout.

Border

In normal mode you can surround the virtual pages with nothing, a single lined box, or a drop shadow box.

This option is ignored if you are printing in Booklet:Fullpage or Booklet:Dropshadow. However, it does affect Booklet:Custom.

Orientation

By default P4PS determines the optimal orientation. You can, however, force the orientation with this switch.

pH

The Physical Header. This is printed in Bold Courier at the top of each physical page. The "macros" used to determine what will be printed are described in the P4PS documentation.

vH

What will be printed at the top of each "virtual page".

Feed

How paper will feed through the printer. Booklet mode requires either 2Pass or 2Pass Flat. Again, the P4PS documentation should be studied...

For 2Pass feed the first pass will come out of the printer, usually face down (that is, the printed side down), first page first. Take this stack of print down pages, do not flip (that is, leave print side facing down), and *turn 180 degrees* so that the edge which came out of the printer facing front is the edge that now faces the printer as your re-insert the pages into the tray. Claro? Experiment.

For 2PassFlat, the pages will come out print side up. To re-insert into the printer for the second pass you must 1) flip the stack so that print side is facing down AND 2) *turn 180 degrees* so that the edge which came out of the printer facing back is the edge that now faces the printer as your re-insert the pages into the tray.

The above (baroque) descriptions are based on the HP III printer. Your printer may vary. I recommend printing a four page range of your document several times to see the results of various understandings of "flip" and "turn."

Options:

Normal/Booklet/Booklet:Custom/Booklet:DropShadow

In "Normal" mode -- the default -- you specify how many virtual pages should be printed per physical page.

In Booklet:Fullpage the virtual page is set to 2 (per page per side) and P4PS calculates the printing order to create a properly paginated booklet. If you are taking the resulting pages to a copy place, you can use Continuous Feed. If you want to create the booklet yourself, you must use either 2Pass or 2PassFlat.

Note: Fullpage disables the pHeader and vHeader settings. This option assumes you want the headers from your document printed in the booklet. It also sets the margins for printing to 0. As a result, if your header and footer (in the Word document) are set to *less than .5 inch* from the edge of the page, the header/footer may be cut off. To work around this see note on headers below.

Booklet:Custom allows you to override the default booklet layout. You can specify other options, such as border, page margins, spread.

Booklet:Dropshadow prints the booklet with a dropshadow border. Other options (besides header information) will be ignored.

Print Line numbers

This option, if checked, will print line numbers.

Copies / Uncollated

Number of copies and a checkbox to print the copies uncollated.

Range

Useful. print a range of pages. If the To box is 0 (zero), P4PS will print the range from From to the end of the document.

vPages across

By default P4PS prints virtual pages vertically. Checking this forces virtual pages across.

This is easier seen than explained. Print a four page document both ways with vpages set to 4.

Has no effect on Booklet printing

Notes

Default settings

Each of the options presented in the dialog box can be set to have a default preference.

At this point the values are stored within the macro itself (that is, not in an INI file).

Below is the section of the macro which you can change to suit your preferences:

With annotations:

```
'CONFIGURATION
pName$ = "P4PS.PIF"           'The name of P4PS.EXE on your system
rem NOTE: This value could also point to a PIF file...
DefDir$ = Null$
rem If the above string variable is Null$ then the proposed PSP file will
be
rem pointed to the same directory as the file. If, however, it is "C:\
TEMP" the
rem print file will be created in the temp directory
Dest$ = "LPT1"
rem The destination port. This can also be a file name: "D:\TEST.PRN"
SavePSP = 1 '0 = no; 1 = yes
Border# = 1 '0= None, 1 = Box; 2 = Shadow
Feed# = 2
'0 = Continuous; 1 = Manual; 2 = 2Pass; 3 = 2PFlat ; 4 = Both; 5 =
BOTHFile
```

```

Orientation# = 0      '0 = Automatic; 1 = Portrait ; 2 = Landscape (/OR:)
vAcross# = 1  '0= vpages down; 1 = vpages across      (/AC)
vPages# = 4   'number of virtual pages per physical page 2,4,8,16,32,64
pHeader$ = "@FSpec@@_@@fDate@"
vHeader$ = "@vPage@"
rem The meaning of the values in the header/footer fields are explained
rem in the documentation for p4ps
LineNumbers# = 0    '0 = no; 1 = yes
Copies$ = "1"
BookType# = 0      '0 = FullPage; 1= Custom ; 2 = Shadow
gLib

```

p4psShell requires the presences, in your NORMAL.DOT of a macro named gLib. If gLib is not installed (either the version contained in this package or the version from gToolBox), **p4psShell** will fail with a WordBasic error message. To rectify the situation, simply double click on the macro button at the top of this document, select gLib, and click the Copy button.

Existing File

If the file specified in the Printing File edit box already exists (either as a previously created PSP file or as a TXT (Ascii) file, you will be told that the file exists. You will be asked if you want to over-write that file with a new printing of the current document.

If this is an ASCII file, you MUST ANSWER NO.

If this is a previously created version of the current document then you CAN answer no (assuming you don't want to update the print file with a new version -- that is, nothing has changed between printings).

SuperQue

You cannot have your PostScript printer attached to Zenographic's SuperQue.

A note on headers

If your Word for Windows document contains header and footer information you might want to delete both the physical header and virtual header information. Otherwise you will get the header information from the document **and** the header information supplied by P4PS.

If you are printing a document in Booklet:Fullpage form, and your

document contains the headers you want printed, be sure to have those headers defined (in Word) as .5" from the Edge.

If your header is cut off in Booklet:Fullpage mode, you can use Booklet:Custom with the following settings:

Border:None

pMargin:0:8

Using the PIF file

This macro is distributed with a PIF file that will call P4PS.EXE. This PIF is defined so that the printing will occur in a DOS Window, with Background execution enabled.

If you are running Windows in Enhanced Mode you can switch to other applications (other than Word), while printing proceeds.

If you are running Windows in Standard Mode, the settings in the PIF file will be ignored and P4PS.EXE will run in a full screen DOS session.

To change the fonts for the PSBook DOS Window

You can, with Windows 3.1, change the font used in a DOS Window. To do so you must pull down the system menu and select Fonts. You can do this during a long printing session, or simply run PSBOOK.PIF /HELP from the file manager. This will display the P4PS.EXE command line options.

Paper Sizes

If you only have a letter sized paper tray inserted into your printer, you cannot force P4PS (for some reason) to accept manually fed LEGAL pages.

P4PS.EXE defaults

The registered version of P4PS.EXE allows you to clone your favorite options into new copies of the program.

This macro assumes that the defaults have not been changed.

Therefore, if you have cloned P4PS.EXE, make sure that the PIF file points to a version of the program that has NOT been changed.

Notices:

p4psShell is © Guy Gallo, 1993. It is distributed as FreeWare (in support of P4PS), but it cannot be modified for distribution or distributed for a fee under any circumstances.

Thanks to Paul Anderson for testing and suggestions.