NAME

foo2hp2600-wrapper – Convert Postscript into a ZJS printer stream

SYNOPSIS

foo2hp2600-wrapper [*options*] [*ps-file*]

DESCRIPTION

foo2hp2600-wrapper is a Foomatic compatible printer wrapper for the **foo2hp** printer driver. This script reads a Postscript *ps-file* or standard input and converts it to Zenographics ZjStream printer format for driving the Hewlett-Packard 2600n color laser printer and other Zenographics-based printers.

This script can be used in a standalone fashion, but is intended to be called from a printer spooler system which uses the Foomatic printer database.

COMMAND LINE OPTIONS

Normal Options

These are the options used to select the parameters of a print job that are usually controlled on a per job basis.

–b *bits* Number of bits per plane. 1 or 2. [1].

–c Print in color (else monochrome).

–d *duplex*

Duplex code to send to printer [1].

| 1 off | 2 long edge | 3 short edge

–m *media*

Media code to send to printer [1].

Media	HPLJ 2600n
plain	1
preprinted	514
letterhead	513
transparency	2
prepunched	515
labels	265
bond	260
recycled	516
color	512
tough	276
envelope	267
light	258
heavy	262
cardstock	261
lightglossy	268
glossy	269
heavyglossy	270
cover	277
photo	278

–p *paper*

Paper size code to send to printer [1].

1	letter	9	A4
5	legal	11	A5
7	executive	13	B5jis
20	env #10	27	env DL
28	env C5	34	env B5
37	env Monarch		

−n *copies*
Number of copies [1].

−r *xres***x***yres*
Set device resolution in pixels/inch [1200x600].

−s *source*
Source (Input Slot) code to send to printer [7].

1	tray 2	4	manual/tray 1
2	tray 3	7	auto

−t Draft mode. Every other pixel is white.

−2 −3 −4 −5 −6 −8 −9 −10 −12 −14 −15 −16 −18
Print in N-up. Requires the **psutils** package.

−o *orient*
Orientation used for N-up.

Portrait	−op	(normal)
Landscape	−ol	(rotated 90 degrees anticlockwise)
Seascape	−os	(rotated 90 degrees clockwise)

Printer Tweaking Options
These are the options used to customize the operation of **foo2hp** for a particular printer.

−u *xoff* **x***yoff*
Set the offset of the start of the printable region from the upper left corner, in pixels [varies with paper size]. The defaults should work on the 2200DL and 2300DL, and have not been tested on any other printers.

−l *xoff* **x***yoff*
Set the offset of the end of the printable region from the lower right corner, in pixels [varies with paper size]. The defaults should work on the 2200DL and 2300DL, and have not been tested on any other printers.

−L *mask*
Send the logical clipping values from −u/-l in the ZjStream. **foo2hp2600-wrapper** always runs Ghostscript with the ideal page dimensions, so that the scale of the image is correct, regardless whether or not the printer has unprintable regions. This option is used to move the position of the clipped image back to where it belongs on the page. The default is to send the amount which was clipped by −u and −l, and should be good in most cases.

0 don't send any logical clipping amounts
1 only send Y clipping amount
2 only send X clipping amount
3 send both X and Y clipping amounts

−O *parm=val*
Alignment of CMYK. *parm* is c, m, y, or k. *val* is in rows. Multiple options are allowed. The default is "−Oc=0 −Om=0 −Oy=0 −Ok=0".

−P Do not send START_PLANE codes on monochrome output. May be needed by some monochrome-only printers, such as the HP LaserJet 1000.

−X *padlen*
Add extra zero padding to the end of BID segments. The default is 16 bytes. Padding 16 bytes of zeroes is needed for older ZjStream printers, such as the Minolta 2200DL and HP LaserJet 1000, and seems harmless to newer ones, such as the Minolta 2300DL. So the default should be good for all cases.

−z *model*
Model: Model: 0=HP CLJ 1600/2600n; 1=HP CLJ CP1215

Color Tweaking Options
These are the options used to control the quality of color output. Color correction is currently a WORK IN PROGRESS.

−g *gsopts*
Additional options to pass to Ghostscript, such as −g"-dDITHERPPI=nnn", etc. This option may appear more than once.

−G *profile.icm*
Convert *profile.icm* to a Postscript color rendering dictionary (CRD) using **foo2zjs-icc2ps** and adjust the printer colors by using the Postscript **setcolorrendering** operator. If *profile.icm* is none.icm, then prepare for ordering a ICM custom printer profile (i.e. from www.ICCFactory.com).

−G *gamma-file.ps*
Prepend *gamma-file.ps* to the Postscript input to perform color correction using the **setcolortransfer** Postscript operator. For example, the file might contain:
{0.333 exp} {0.333 exp} {0.333 exp} {0.333 exp} setcolortransfer

−I *intent*
Select profile intent from the ICM file. 0=Perceptual, 1=Colorimetric, 2=Saturation, 3=Absolute. Default is 0 (perceptual).

Debugging Options
These options are used for debugging **foo2hp** and its wrapper.

−S *plane*
Output just a single color plane from a color print and print it on the black plane. The default is to output all color planes.

1 Cyan
2 Magenta
3 Yellow
4 Black

−D *level*
Set Debug level [0].

EXAMPLES

Create a monochrome ZjStream from a Postscript document, examine it, and then print it using a RAW print queue:

```
foo2hp2600-wrapper testpage.ps > testpage.zm
zjsdecode < testpage.zm
lpr −P raw testpage.zm
```

Create a color ZjStream stream from a Postscript document:

```
foo2hp2600-wrapper −c testpage.ps > testpage.zc
```

FILES

/usr/bin/foo2hp2600-wrapper

SEE ALSO

foo2hp(1), **zjsdecode**(1)

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