NAME

foo2hiperc-wrapper − Convert Postscript into a HIPERC printer stream

SYNOPSIS

foo2hiperc-wrapper [*options*] [*ps-file*]

DESCRIPTION

foo2hiperc-wrapper is a Foomatic compatible printer wrapper for the **foo2hiperc** printer driver. This script reads a Postscript *ps-file* or standard input and converts it to the Oki HIPERC printer format for driving the Oki C310dn, C3100, C3200, C3300n, C3400n, C5100n, C5500n, C5600n and the C5800n HIPERC 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.

−c Print in color (else monochrome).

−C *colormode*

Color correction mode [0].

10 ICM color profile (using −G *.icm file)

−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 [0].

Media	HIPERC
plain	0
labels	1
transparency	2

−p *paper*

Paper size code to send to printer [2].

1	A4	2	letter
3	legal	−	−
5	A5	6	B5jis
7	A6	8	env Monarch
9	env DL	10	env C5
11	env #10	12	executive
13	env #9	14	legal 13.5"
15	A3	16	tabloid/ledger

−n *copies*

Number of copies [1].

−r *xres***x***yres*

Set device resolution in pixels/inch [600x600].

−s *source*

Source (Input Slot) code to send to printer [0].

0	auto select		
1	tray1	2	tray2
3	multi	4	manual

−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 **foo2hiperc** 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].

−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].

−L *mask*
Send the logical clipping values from −u/-l in the HIPERC stream. **f oo2hiperc-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

−z *model*
Model is 0 for non-A3 sized printers, and 1 for A3/Tabloid/Ledger sized printers (i.e. C810, etc.). The default is 0.

−Z *compressed*
Use uncompressed (0) or compressed (1) JBIG data.

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. (WORK IN PROGRESS).

−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 **foo2hiperc** 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 HIPERC stream from a Postscript document, examine it, and then print it using nc(1) or netcat(1):

```
foo2hiperc-wrapper testpage.ps > testpage.hc
hipercdecode < testpage.hc
nc 192.168.1.NNN 9100 < testpage.hc
```

Create a color HIPERC stream from a Postscript document:

```
foo2hiperc-wrapper −c testpage.ps > testpage.hc
```

FILES

/usr/bin/foo2hiperc-wrapper

SEE ALSO

foo2hiperc(1), **hipercdecode**(1)

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