

**NAME**

foo2qpdf-wrapper – Convert Postscript into a QPDF printer stream

**SYNOPSIS**

**foo2qpdf-wrapper** [*options*] [*ps-file*]

**DESCRIPTION**

**foo2qpdf-wrapper** is a Foomatic compatible printer wrapper for the **foo2qpdf** printer driver. This script reads a Postscript *ps-file* or standard input and converts it to Samsung/Xerox QPDF printer format for driving the Samsung CLP-300, CLX-2160, CLX-3160, CLP-315, CLX-3175, CLP-600, CLP-610, CLP-620, CLP-360, CLP-365, and Xerox Phaser 6110 QPDF 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].

1      CRD

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	QPDF
plain	0
thick	1
thin	2
bond	3
color	4
card	5
labels	6
envelope	7
preprinted	8
cotton	9
recycled	10
transparency	11
archive	12

**-p** *paper*

Paper size code to send to printer [0].

0	letter	1	legal
2	A4	3	executive
6	env #10	7	env Monarch
8	env C5	9	env DL
11	B5jis	12	B5iso
16	A5	17	A6
23	env C6	24	folio
25	env 6.75	26	env #9
28	oficio		

**-n** *copies*

Number of copies [1].

**-r** *xresxyres*

Set device resolution in pixels/inch [1200x600].

**-s** *source*

Source (Input Slot) code to send to printer [255].

1	auto	2	manual
3	multi	4	tray1

**-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	<b>-op</b>	(normal)
Landscape	<b>-ol</b>	(rotated 90 degrees anticlockwise)
Seascape	<b>-os</b>	(rotated 90 degrees clockwise)

### Printer Tweaking Options

These are the options used to customize the operation of **foo2qpdf** for a particular printer.

**-u** *xoffxyoff*

Set the offset of the start of the printable region from the upper left corner, in pixels [varies with paper size].

**-l** *xoffxyoff*

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 QPDL stream. **foo2qpdf-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*

Printer model. Model 0 is the default.

model	Description
0	CLP-300, CLX-2160, CLX-3160

- 1 CLP-600
- 2 CLP-310, CLP-315, CLP-610, CLX-3175
- 3 CLP-620, CLP-360, CLP-365

### Color Tweaking Options

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

#### **-a** *parm=val*

Color Adjust. *parm* is b, c, s, cr, mg, yb for brightness, contrast, saturation, cyan-red balance, magenta-green balance, and yellow-blue balance. *val* is 0 to 100. Multiple options are allowed. The default is "-ab=50 -ac=50 -as=50 -acr=50 -amg=50 -ayb=50". This only works when the -z3 (e.g. CLP-365) model is set!

#### **-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 **foo2qpdf** 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 QPDF stream from a Postscript document, examine it, and then print it using a RAW print queue:

```
foo2qpdf-wrapper testpage.ps > testpage.zm
qpdfdecode < testpage.zm
lpr -P raw testpage.zm
```

Create a color QPDF stream from a Postscript document:

```
foo2qpdf-wrapper -c testpage.ps > testpage.zc
```

**FILES**

**/usr/bin/foo2qpdL-wrapper**

**SEE ALSO**

**foo2qpdL(1)**, **qpdLdecode(1)**

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