

**NAME**

foo2hbpl2 – Convert Ghostscript pbmraw or bitcmk format into a ZJS printer stream

**SYNOPSIS**

**foo2hbpl2** [*options*] <*pbmraw-file*> *hbpl2-file*

**foo2hbpl2** [*options*] <*bitcmk-file*> *hbpl2-file*

**foo2hbpl2** [*options*] <*pksmraw-file*> *hbpl2-file*

**DESCRIPTION**

**foo2hbpl2** converts Ghostscript pbmraw, bitcmk, or pksmraw output formats to monochrome or color HBPL version 2 streams, for driving the Dell 1355, Dell C1765, Epson AcuLaser M1400, Epson AcuLaser CX17NF, Fuji Xerox DocuPrint CM205, Fuji Xerox DocuPrint CM215, Fuji Xerox DocuPrint M215, Fuji Xerox DocuPrint P205, Xerox Phaser 3010, Xerox Phaser 3040, Xerox WorkCentre 3045 MFP, and Xerox WorkCentre 6015 MFP printers.

**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** Force color mode if autodetect doesn't work.

**-d** *duplex*

Duplex code to send to printer [1].

1	off	2	long edge	3	short edge
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**-g** *xpixypix*

Set page dimensions in pixels [10200x6600].

**-m** *media*

Media code to send to printer [1].

Media	HBPL
plain	1
bond	2
lwcard	3
lwgc card	4
labels	5
envelope	6
recycled	7
plain2	8
bond2	9
lwcard2	10
lwgc card2	11
recycled2	12

**-p** *paper*

Paper code to send to printer [1].

Paper	HBPL
A4	1
B5jis	2
A5	3

letter	4
executive	5
fanfold german legal	6
folio	6
legal	7
env#10	9
envMonarch	10
envC5	11
envDL	12

- n** *copies*  
Number of copies [1].
- r** *xresxyres*  
Set device resolution in pixels/inch [1200x600].
- s** *source*  
Source (InputSlot) code to send to printer [7].
 

1	upper	4	manual
2	lower	7	auto
- t** Draft mode. Every other pixel is white.
- J** *filename*  
Filename string to send to printer.
- U** *username*  
Username string to send to printer.

### Printer Tweaking Options

These are the options used to customize the operation of **foo2hbp12** for a particular printer.

- u** *xoffxyoff*  
Set the offset of the start of the printable region from the upper left corner, in pixels [0x0].
- l** *xoffxyoff*  
Set the offset of the end of the printable region from the lower right corner, in pixels [0x0].
- L** *mask*  
Send logical clipping amounts implied by **-u/-l** in the ZjStream [3].
 

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
- P** Do not send START\_PLANE codes on monochrome output. May be needed by some black and white only printers, such as the HP LaserJet 1000.
- A** AllIsBlack: convert C=1,M=1,Y=1 to just K=1. Works with bitcmk input only.
- B** BlackClears: K=1 forces C,M,Y to 0. Works with bitcmk input only.
- 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.

### Debugging Options

These options are used for debugging **foo2hbp12**.

**-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 black and white ZJS stream:

```
gs -q -dBATCH -dSAFER -dQUIET -dNOPAUSE
-sPAPERSIZE=letter -r1200x600 -sDEVICE=pbmraw
-sOutputFile=- - < testpage.ps
| foo2hbpl2 -r1200x600 -g10200x6600 -p1 >testpage.zm
```

Create a color ZJS stream:

```
gs -q -dBATCH -dSAFER -dQUIET -dNOPAUSE
-sPAPERSIZE=letter -g10200x6600 -r1200x600 -sDEVICE=bitcmk
-sOutputFile=- - < testpage.ps
| foo2hbpl2 -r1200x600 -g10200x6600 -p1 >testpage.zc
```

**FILES**

**/usr/bin/foo2hbpl2**

**SEE ALSO**

**foo2hbpl2-wrapper(1)**, **hbpldecode(1)**

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