



Linux Ubuntu 26.04 Manual Pages on command 'hbpldecode.1'

\$ man hbpldecode.1

hbpldecode(1) General Commands Manual hbpldecode(1)

NAME

hbpldecode - Decode a HBPL stream into human readable form.

SYNOPSIS

hbpldecode [options] <hbpl-file

DESCRIPTION

hbpldecode decodes a HBPL stream into human readable form. HBPL is Host Based Printer Language.

There are two versions of HBPL in existence.

Version one is an HBPL stream with JBIG2 (?) data. This data is used by the Dell 1250c, Dell C1660w, Epson AcuLaser C1700, Fuji-Xerox cp105b, and similar printers. These printers are unsupported.

Version two is an HBPL stream with JBIG encoded data. This data is used by the Xerox WorkCentre 6015, Fuji Xerox DocuPrint CM205, Dell 1355c, and similar printers. These printers are supported by foo2hbpl2-wrapper et al.

Both versions can be decoded by hbpldecode.

COMMAND LINE OPTIONS

These are the options that can appear on the command line.

-d basename

 Basename of .pbm file for saving decompressed planes.

-h Print hex file offsets.

-o Print file offsets.

-D level

Set Debug level [0].

EXAMPLES

Decode an HBPL stream file, version 1.

```
$ hbpldecode -h 1250c-mono.prn
```

```
0:  \033%-12345X@PJL JOB MODE=PRINTER
1f:  @PJL SET STRINGCODESET=UTF8
3b:  @PJL COMMENT DATE=06/01/2011
58:  @PJL COMMENT TIME=13:28:30
73:  @PJL COMMENT DNAME=empty - Notepad
96:  @PJL SET JOBATTR="@LUNA=rick"
b4:  @PJL SET COPIES=1
c6:  @PJL SET QTY=1
d5:  @PJL SET JOBATTR="@TRCH=OFF"
f2:  @PJL SET DUPLEX=OFF
106: @PJL SET BINDING=LONGEDGE
120: @PJL SET RENDERMODE=GRAYSCALE
13e: @PJL SET ECONOMODE=OFF
155: @PJL SET RET=ON
165: @PJL SET JOBATTR="@IREC=OFF"
182: @PJL SET JOBATTR="@HOAD=I0A00020F"
1a5: @PJL SET JOBATTR="@JOAU=rick"
1c3: @PJL SET JOBATTR="@CNAM=RICK-VB"
1e4: @PJL SET IWAMANUALDUP=OFF
1fe: @PJL SET IWAJAMRECOVERY=AUTO
21b: @PJL SET JOBATTR="@MSIP=NORMAL"
23b: @PJL SET PAPERDIRECTION=SEF
257: @PJL SET RESOLUTION=600
26f: @PJL SET BITSPERPIXEL=8
287: @PJL SET JOBATTR="@DRDM=RASTER"
2a7: @PJL SET JOBATTR="@TCPR=33"
2c3: @PJL SET JOBATTR="@TUCR=33"
2df: @PJL SET JOBATTR="@TTRC=33"
2fb: @PJL SET JOBATTR="@TSCR=33"
```

317: @PJL SET JOBATTR="@GCPR=33"
333: @PJL SET JOBATTR="@GUCR=33"
34f: @PJL SET JOBATTR="@GTRC=33"
36b: @PJL SET JOBATTR="@GSCR=33"
387: @PJL SET JOBATTR="@ICPR=34"
3a3: @PJL SET JOBATTR="@IUCR=34"
3bf: @PJL SET JOBATTR="@ITRC=34"
3db: @PJL SET JOBATTR="@ISCR=34"
3f7: @PJL SET JOBATTR="@TDFT=0"
412: @PJL SET JOBATTR="@GDFT=0"
42d: @PJL SET JOBATTR="@IDFT=0"
448: @PJL ENTER LANGUAGE=HBPL
461: RECTYPE 'A' [0x41]:
462: 81 a1: 0x0
465: 82 a2: 0x7
469: 83 a2: 0x1
46d: RECTYPE 'C' [0x43]:
46e: 91 a1: 0x0
471: 92 a1: 0x1
474: 93 a1: 0x1
477: 94 a1: 0x0
47a: 95 c2: 0x0
480: 96 a1: 0x0
483: 97 c3: 0x0
489: 98 a1: 0x0
48c: 99 a4: 1 [PAGECNT]
492: 9a c4: 5104x6600 [WxH]
49c: 9b a1: 0x0
49f: 9c a1: 0x1
4a2: 9d a1: 0x9
4a5: 9e a1: 0x2
4a8: 9f a1: 0x5
4ab: a0 a1: 0x8

```

4ae:    a1 a1: 0x0
4b1:    a2 c4: 5104x6600 [WxH]
4bb:    RECTYPE 'Q' [0x51]:
4bc:    RECTYPE 'R' [0x52]:
4bd:    a3 a1: 0x0
4c0:    a4 a2: 6457 (0x1939) bytes of data...
1dfe:    RECTYPE 'S' [0x53]:
1dff:    RECTYPE 'D' [0x44]:
1e00:    RECTYPE 'B' [0x42]:
1dff:    \033%-12345X@PJL EOJ

```

Decode an HBPL stream file, version 2.

```
$ hbpldecode -h 6015c-color.prn
```

```

0:    33%-12345X@PJL JOB NAME=PRINTER
20:   @PJL SET JOBATTR="HOST:dual.rkkda.org"
48:   @PJL SET JOBATTR="USER:rick"
66:   @PJL SET JOBATTR="DOCU:(stdin)"
87:   @PJL SET JOBATTR="OWNR:rick"
a5:   @PJL SET DUPLEX=OFF
ba:   @PJL SET MEDIASOURCE=0
d2:   @PJL SET RENDERMODE=COLOR
ed:   @PJL SET RESOLUTION=600
106:  @PJL SET BITSPERPIXEL=2
11f:  @PJL SET COPIES=1
132:  @PJL ENTER LANGUAGE=HBPL
14c:  RECTYPE JP [Job Parameters]

00000000: 1b 4a 50 04 01 00 00 01 00 00 00 00 00 00 00 00 .JP.....
00000010: b0 bd ac 43 00 f0 cf 08 f4 9f ac 43 59 ba a0 43 ...C....CY..C
00000020: f4 9f ac 43 00 e0 cd 08 9c ba a0 43 00 f0 cf 08 ...C....C....
00000030: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
18c:  RECTYPE PS [Page Start]

00000000: 1b 50 53 3c 00 14 00 00 06 19 00 00 00 78 f4 01 .PS<....x..
00000010: 90 03 00 00 04 01 01 00 58 02 e0 00 00 00 e0 00 .....X.....
00000020: 00 00 e0 00 00 00 f0 00 00 00 00 00 00 00 00 .....

```

00000030: 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

w,h=5120x6406 res=600 color=1

mediatype=Plain(1) papersize=Letter(4)

1cc: Cyan BIH:

DL = 0, D = 0, P = 1, - = 0, XY = 10240 x 6406

L0 = 128, MX = 0, MY = 0

Order = 0

Options = 64 LRLTWO

51 stripes, 0 layers, 1 planes

...cyan data skipped...

2ac: Magenta BIH:

DL = 0, D = 0, P = 1, - = 0, XY = 10240 x 6406

L0 = 128, MX = 0, MY = 0

Order = 0

Options = 64 LRLTWO

51 stripes, 0 layers, 1 planes

...magenta data skipped...

38c: Yellow BIH:

DL = 0, D = 0, P = 1, - = 0, XY = 10240 x 6406

L0 = 128, MX = 0, MY = 0

Order = 0

Options = 64 LRLTWO

51 stripes, 0 layers, 1 planes

...yellow data skipped...

46c: Black BIH:

DL = 0, D = 0, P = 1, - = 0, XY = 10240 x 6406

L0 = 128, MX = 0, MY = 0

Order = 0

Options = 64 LRLTWO

51 stripes, 0 layers, 1 planes

...black data skipped...

55c: RECTYPE PE [Page End]

00000000: 1b 50 45 3c 00 00 00 00 77 00 00 00 7c 00 00 00 .PE<.... w...|...

00000010: 08 e0 cd 08 00 00 00 00 9c 55 ac bf f4 9f ac 43U.....C

00000020: e0 a3 ac 43 00 00 00 00 19 00 00 00 75 9e 99 43 ...C....u..C

00000030: 00 21 99 43 00 00 00 00 01 00 00 00 9a 0e 99 43 !.C....C

59c: \033%-12345X@PJL EOJ

FILES

/usr/bin/hbpldecode

SEE ALSO

foo2hbpl2-wrapper(1), foo2hbpl2(1)

AUTHOR

Rick Richardson <rick.richardson@comcast.net>

Peter Korf <peter@niendo.de>

<http://foo2hbpl.rkkda.com/>