DESKJET

COLLABORATORS

	TITLE : DESKJET		
ACTION	*NAME*	*DATE*	*SIGNATURE*
WRITTEN BY		January 13, 2023	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

DESKJET

1.1 Contents

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                        HP Deskjet 400C/400L Driver
              by Peter Hutchison
                15/8/02 40.16



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1.2 intro

```
Introduction
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```
This is my second driver to be released . This is a colour printer driver for
the 400 series of Hewlett Packard Deskjet printers in particular the 400L, 420C
440C, 460C and 480C printers. It should work on any other 400 serier printer. This
driver works with CMY single cartidge printers (with seperate colour/black carts)
```

1.3 reqs

Requirements

Computer: Any Amiga.
Memory: 1Mb or more
Workbench: WB 1.3 or better (upto 3.1)
Printer: HP Deskjet 400C, 400L, 440C, 480C or later

Printer Enhancement packages, such as TurboPrint or Studio should
not be used with this driver.

1.4 feat

Features

Colour: CMY (Colour or Black) dual cartridges
        Photo cartridges are NOT supported. Sorry.

Resolution: 75 to 300 dpi.

Graphics: Upto 300 x 300 colour, b/w

Aspect: Portrait and Landscape

Output: B&W and Colour Text,
         B&W, greyscale and colour graphics

Gamma Correction: Use Threshold slider to change it.

Typefaces:
  ESC(B = Courier
  ESC(R = CG Times
  ESC(K = Letter Gothic
  ESC(A = Universal

 Uses character symbol sets fonts for other typefaces.

*NEW – Optimised for Speed and Versions for ’000, ’020 ’040 processors.

Compiled with SAS C 6.58

Densities

0 75 x 75
1 75 x 75
2 150 x 150
3 150 x 150
4 150 x 150
5 300 x 300
6 600 x 300
7 300 x 300

NB: 600x300 may produce crushed output in some cases.
US LEGAL supports 14in paper, use 10in for A4 and others.

Make sure you select a lower density before printing from
a Word Processor (usually defaults to 7).

1.5 instal

                    Installation

Run the Install_Driver and follow instructions, select the processor type
(use 040 if you have an 040 or 060) and Printer model closest to your
printer from the list given.

If installing a new printer, run the Preferences to select the correct
driver and set it up. See
                    Prefs
                      .

1.6 custom

Customisation

If you wish you can customize your driver to your language for text based
printing. The Driver defaults to ESC(1E for UK character set (ESC=1B). Use
a binary editor (e.g. FileX) to change the above init string (4 chars) to
another character set.
e.g.
ESC(8U = HP Roman 8
ESC(0N = Latin 1
ESC(1G = German (ISO 21)
ESC(1F = French (ISO 69)
ESC(0I = Italian (ISO 15)
ESC(2S = Spanish (ISO 17)
ESC(0S = Swedish (ISO 11)
ESC(1U = HP Legal
ESC(9T = Turkish
ESC(2N = Latin 2
ESC(5N = Latin 5

NB: Do not use longer commands eg ES(17U (PC-852) as that will overwrite the next
command or the printer will not init correctly.

1.7 prefs

Preferences

1. Printer

   Printer Type – select appropiate printer from list
   Printer Port – usually Parallel
   Printer Pitch – Pica, Elite of Fine (choose one that suits you)

```
    Print Spacing - 6 or 8 lpi (I use 6)
    Print Quality - Use Letter for max quality
    Paper Type    - Use Single for paper such as A4
    Paper Format  - Use US Letter, US Legal or DIN A4 for paper size
    Paper Length  - Set this for a CUSTOM length
    Margins       - Use 2 and 80 characters
```

2. PrinterGfx

```
    Dithering     - Floyd Steinburg for best quality
    Scaling       - Integer for line gfx or text.
                    Use Fraction for shaded pics.
    Image         - Positive (Neg is rarely used)
    Aspect        - Horizontal
    Shade         - Color (NB: Use BW if using Multiview with Text)
    Threshold     - Around 5 (use a smaller figure if too dark)
    Density       - Use whatever you fancy (use a small figure for speed
                    and less ink)
    Color Correction - Don't set, use all 4096 (12 bit) colours
    Limits        - Set to ignore
    Smoothing     - Used to smooth out lines esp. in graphic dumps of text
    Centre Picture - Tick this if you want centralised pics
```

Further information is in your Workbench Users Guide (Ch 9) or see my web page
for info on preferences.

If you are experiencing problems with this driver send me email (see below).
You can download updates from Aminet or my web page.

1.8 hist

History

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1.0   First release
1.1   Added special and accented character set
1.2   Fixed ESC(s10H bug (was a large S)

11/3/98
1.3   Changed render.c
         Prints draft/letter quality if correct quality selected not by density
         Changed End Graphics command string (added 'b' char)
         Added a version string
27/3/98
1.4   Increased timeout from 30 to 300!

2/4/98
1.5   Reduced timeout down to 60 (300 is too much).
         Top margin checked okay at 0.

26/4/99
1.6   Data.c - Added support for all 4 typefaces.
         Inserted missing comma for command table.
```

```
9/7/99   Updated documentation from doc to guide file.
         NewIcons used instead of MWB.


1.7
27/9/99 Added Support for Paper Format preference for paper length.


40.8
15/12/99 Dospecial/Render - Added ESC E to init printer properly
          Changed version to match OS versions.
          Fixed a small bug in init code - quality set in wrong place.
40.9
7/1/00   Fixed major bug with setting resolution. Was in in wrong place
          corrupting init string for gfx output.


40.10
8/7/01 Added gamma correction routines.
       Fixed paper length problem by adding page length in render.c
       Added 040 version


40.15
11/6/02 Added new compression routines. Replaced old CompactBuf with two
        new routines. Replaced AmigaDOS install script with an
        Installer script.


40.16
15/8/02 Fixed memory leak problem in render.c. Forgot to free alloced memory
        when dumping graphics to printer
```

1.9 author

```
Author

This driver is Giftware, you are not obliged to send anything but if you
want to contribute to further driver development for this printer and others
then send me money (£5 UK Pounds) to me at:

Email: pjhutch@blizzard.u-net.com
Web:   http://www.blizzard.u-net.com
```