

DESKJET

COLLABORATORS

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WRITTEN BY		February 14, 2023	

REVISION HISTORY

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Chapter 1

DESKJET

1.1 Contents

HP Deskjet 870C/890C/970C Driver
by Peter Hutchison
22/1/00 40.11

Introduction
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1.2 intro

Introduction

This is my second driver to be released . This is a colour printer driver for the 800 series of Hewlett Packard Deskjet printers in particular the 87xC 88xC and 89xC printers. It should work on any other 800 serier printer except the 820C which is a Windows only printer.

1.3 reqs

Requirements

Computer: Any Amiga.

Memory: 1Mb or more

Workbench: WB 1.3 or better (upto 3.1)

Printer: HP Deskjet 810C, 850C, 870C, 880C or 890C or later
and HP Deskjet 930C, 950C and 970C.

The HP Deskjet 820C is incompatible and will not produce any output via PCL. These depend on the host processor (e.g. a PC) to interpret and produce the required output rather than the printer. The 710C and 720C are also incompatible.

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

1.4 feat

Features

Colour: CMYK (Colour AND Black) dual cartridges
Photo cartridges are NOT supported. Sorry.

Resolution: 75 to 600 dpi.

Graphics: Upto 600 x 300 colour, 600 x 600 b/w

Aspect: Portrait and Landscape

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

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 and '020 processors.

Compiled with SAS C 6.58

Densities

0 75 x 75

1 75 x 75

2 150 x 150

3 150 x 150

4 300 x 300

5 300 x 300

6 600 x 300

7 600 x 600

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 020 if you have a 030, 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 prefs

Preferences

1. Printer

Printer Type - select appropriate printer from list
 Printer Port - usually Parallel
 Printer Pitch - Pica, Elite or 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 DIN A4, US Letter or US Legal for single sheet paper
 Paper Length - Set this to for 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, my web page or Amiga Format CDs.

1.7 custom

Customisation

If you wish you can customize your driver to your language for text based printing. The Driver defaults to ESC(01E for UK character set (ESC=1B). Use a binary editor (e.g. FileX) to change the above init string (5 chars) to another character set.

e.g.

```
ESC(08U = HP Roman 8
ESC(00N = Latin 1
ESC(01G = German (ISO 21)
ESC(01F = French (ISO 69)
ESC(00I = Italian (ISO 15)
ESC(02S = Spanish (ISO 17)
ESC(00S = Swedish (ISO 11)
ESC(01U = HP Legal
ESC(09T = Turkish
ESC(02N = Latin 2
ESC(05N = Latin 5
```

1.8 hist

History

Beta 1

```
13/12/97 Copied printertag.asm, init.asm and data.c and changed printer names.
14/12/97 Updated cmds in data.c
        Copied dospecial.c
15/12/97 Update dospecial.c.
        Copied and modified render.c, transfer.c, density.c, macros.asm, hp_rev. ←
        i
        Compiled ok
        Text output ok
        B/w gfx output ok except missed 1 char off closing string. Recompiled
16/12/97 Renamed driver as 870C as 820C is US and Windows only!
```

V1.1

```
09/01/98 DoSpecial - removed '0u' from init string (cmd unknown).
        changed topmargin from 2 to 0.
        Density - changed Density 6 to 2xheight for correct aspect.
```

V1.2

```
14/03/98 Data - Updated normal Char Set. Added bold off and black
```

DoSpecial - Added version string

V1.3

2/4/98 DoSpecial - Removed 'Ou' unknown command. Reset topmargin to 0 (again).

V1.4

28/6/98 DoSpecial - Added UK char set as default.
Data - Changed references of ANSI to UK char set
Density - Added W_TRACTOR support.

V1.5

7/11/98 Density - Changed density 6 to 600 x 300.
Removed W_Tractor support. N/R.
Added Install_Driver script.

V1.6

26/4/99 Data.c - Added support for all typefaces (0-7).

09/07/99 Updated documentation from doc to guide file.
NewIcons used instead of MWB.

v1.7

29/8/99 Dospecial.c - Added support for Paper Format preference
Added 810C to install script and updated guide.

25/9/99 Render.c - Added support for paper format

(1.8)

v40.8 Dospecial/Render - Added ESC E to init printer correctly
5/11/99 Changed version to match OS versions.
Added customisation section to guide.

v40.9

19/12/99 Added Paper Quality support (Normal/Presentation)

v40.10

05/01/00 Fixed bug with graphics printing. Density set in wrong place.

v40.11

22/01/00 Extended character set selection to two characters from one
for other char sets.

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:

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or

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