

**DESKJET**

**COLLABORATORS**

	<i>TITLE :</i> DESKJET		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		August 13, 2022	

**REVISION HISTORY**

NUMBER	DATE	DESCRIPTION	NAME

# Contents

<b>1</b>	<b>DESKJET</b>	<b>1</b>
1.1	Contents . . . . .	1
1.2	intro . . . . .	1
1.3	reqs . . . . .	1
1.4	feat . . . . .	2
1.5	instal . . . . .	3
1.6	custom . . . . .	3
1.7	prefs . . . . .	3
1.8	hist . . . . .	4
1.9	author . . . . .	5

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# Chapter 1

# DESKJET

## 1.1 Contents

HP Deskjet 400C/400L Driver  
by Peter Hutchison  
11/6/02 40.15

Introduction  
Requirements  
Features  
Installation  
Customisation  
Preferences  
History  
Author

## 1.2 intro

Introduction

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

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## 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.

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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 appropriate printer from list

Printer Port - usually Parallel

Printer Pitch - Pica, Elite of Fine (choose one that suits you)

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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

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.

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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.

## 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](mailto:pjhutch@blizzard.u-net.com)  
Web: <http://www.blizzard.u-net.com>

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