

OLIVETTI

COLLABORATORS

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Chapter 1

OLIVETTI

1.1 Contents

Olivetti JP790 driver
by Peter Hutchison
7/1/00 40.5

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1.2 intro

Introduction

This is a colour printer driver for the Olivetti JP790 series of inkjet printers using PCL 3 Enhanced printer language.

1.3 reqs

Requirements

Computer: Any Amiga.
Memory: 1Mb or more
Workbench: WB 1.3 or better (upto 3.1)
Printers:
Olivetti JP 790

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, b/w

Aspect: Portrait and Landscape

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

Typefaces:

ESC(s4099T = Courier
ESC(s4104T = CG Times
ESC(s4102T = Letter Gothic
ESC(s4148T = Universal
ESC(s0T = LinePrinter
ESC(s1T = Pica
ESC(s8T = Prestige
ESC(s2T = Elite
ESC(s7T = Script
ESC(s4T = Helvetica
ESC(s11T = Presentations.

(Unfortunately, no room for 7 other typefaces)
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

4 150 x 150
5 300 x 300
6 600 x 600
7 600 x 600

US LEGAL supports 14in paper.

1.5 instal

Installation

Run the Install_Driver program and choose 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 for standard single sheet A4 (don't use Wide)
Paper Length - Only set this if using a CUSTOM page length (see Paper Format).
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(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

ESC(4S = Portuguese

ESC(0D = Norweigan

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

1.8 hist

History

1.0 First Release with Typeface support.

31/12/99

40.4 Added ESC E for proper initialisation.

Added Paper size support

Changed version to match OS versions.

New Guide documentation.

Versions for 000 and 020 processors

5/1/00

40.5 Fixed major bug in graphics printing in init string

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 either money (5UKP) or something 'Amiga' to me at:

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