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README FILE FOR HEWLETT-PACKARD HPPCL5E PRINTER DRIVER WITH  
SUPPORT FOR THE HP LaserJet 4/4M, 4L, 4ML, & 4Si/4Si MX PRINTERS

31.V1.20 for Windows 3.1

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This README file contains the following information:

- \* Hewlett-Packard HPPCL5E Printer Driver Introduction
- \* Features of Hewlett-Packard HPPCL5E Printer Driver
- \* User Hints

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HEWLETT-PACKARD HPPCL5E PRINTER DRIVER INTRODUCTION

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This is a release of the Hewlett-Packard HPPCL5E printer driver with support for the HP LaserJet 4/4M, 4L, 4ML, & 4Si/4SiMX printers, which includes HP-GL/2 support.

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FEATURES OF HEWLETT-PACKARD HPPCL5E PRINTER DRIVER

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The Hewlett-Packard HPPCL5E Printer Driver version V1.20 includes support for the HP LaserJet 4/4M, 4L, 4ML & 4Si/4Si MX printers and the following new features:

Support for Graphics Quality.

For the LaserJet 4/4M and 4Si/4Si MX, at 600 dpi mode the driver supports 600, 300, and 150 dpi. For the LaserJet 4/4M, 4L, 4ML, and 4Si/4Si MX, at 300 dpi mode the driver supports 300, 150, and 75 dpi. The actual graphics resolution settings are denoted by the descriptive terms of Low, Medium, and High rather than the actual dpi.

Support for the internal Intellifont typefaces.

All the internal Intellifont typefaces in the HP LaserJet 4/4M, 4L, 4ML, and 4Si/4Si MX printers are supported in the 19U symbol set. To obtain WYSIWYG results, use HP Intellifont which supports on-the-fly screen fonts to match your printer fonts in Windows 3.1.

Support for HP-GL/2

Support for HP-GL/2 is in the HPPCL5E driver. Under the Options Dialog in the Printer Setup, an option of "Graphics Mode" is available. Two options are present: HP-GL/2 or Raster. The first choice enables HP-GL/2 which will increase print performance. The second choice uses raster only. The default graphics mode is set to raster for the HP LaserJet 4L. The default mode is set to HP-GL/2 for the HP LaserJet 4/4M, 4ML, and 4Si/4Si MX.

For the HP LaserJet 4/4M, 4ML, and 4Si/4Si MX, if you encounter print difficulties in the default Graphics Mode, it is recommended that you change the mode to Raster and try your print job again. Additional information on this topic may be found in the help files that accompany this driver. Choose Help from the driver dialog screens or the HP font installer screens to access the HELP information.

Support for EconoMode (Supported by the LaserJet 4L and 4ML)

Support for EconoMode is in version V1.20 within the Options Dialog. There are two options available, on or off. With EconoMode enabled the output will resemble

draft mode, using fewer dots in order to conserve toner.

Support for Print Density (Supported by the LaserJet 4L and 4ML)  
Print density support is provided in the Options Dialog.  
Adjust the density of the printer according to the desired  
density. The density range is one (lightest) to five  
(darkest).

#### Dialog Support for RET

Another feature added to the Option Dialog is the RET  
(Resolution Enhancement technology) box. The options here  
are:

Light, Medium, Dark, and Off for the HP LaserJet 4L and 4ML.  
Printer Default, Light, Medium, Dark, and Off for the HP  
LaserJet 4/4M.  
Printer Default, ON, and OFF for the LaserJet 4Si/4Si MX.

#### Dialog Support for Resource Saving (Supported only by LaserJet 4Si/4Si MX)

This feature, added to the main setup dialog box, allows the  
user to tell the printer driver how much memory is set aside  
for the each printer personality (PCL and PostScript).  
This memory is used for saving printer resources between  
printer language switching. The range is from 0KB to 99900KB.

#### Version Information Resources

This feature, added to the printer driver and its dynamic link  
libraries, helps eliminate a possible mismatch of driver and  
driver resource files when installing previous drivers. If  
a potential mismatch is detected during driver installation,  
a dialogue box that contains a warning is displayed.

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#### USER HINTS

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On-line help files are included for the HPPCL5E printer driver and  
the HP font installer screens. Choose Help from these screens to  
access the HELP information.

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#### HEWLETT-PACKARD CUSTOMER SUPPORT CENTER (USA and Canada only)

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You can call the Hewlett-Packard Customer Support Center  
weekdays between 7 a.m. and 6 p.m. (Mountain Standard Time),  
except for Wednesday when the hours are 7 a.m. to 4 p.m.:  
(208) 323-2551.