



Tech Info Library

LaserWriter: Available PCL-Compatible Fonts (12/96)

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TOPIC -----

Which Hewlett-Packard PCL-compatible fonts, styles, and sizes are included in Apple's PCL-compatible LaserWriter printers?

DISCUSSION -----

Here is a table that shows the PCL fonts available for PCL-compatible LaserWriter printers.

Begin_Table

Apple LaserWriter Model	PCL ROM-Resident font	PCL ver.	Notes
LaserWriter IIx, LaserWriter IIf, LaserWriter IIm, LaserWriter Pro 600, LaserWriter Pro 630, Personal LaserWriter NTR	Courier No Line Printer font available. No other ROM-Resident fonts available in PCL mode.	4+	1
LaserWriter Pro 810	33 of the 35 Type 1 fonts are used and rasterized as PCL fonts. Only ZapfDingbats Symbol fonts cannot be used as PCL fonts.	4+	
LW Select 360, LW 16/600 PS, LW 12/640 PS	Times Roman, Univers Medium, Courier, Line Printer	5	

End_Table

NOTES:

(1) There is actually a problem with the HP emulator that inadvertently allows access to the Helvetica and Times-Roman fonts. You can access these two fonts through the same PCL escape code command to change typefaces.

PCL Escape Codes

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In terms of styles and sizes, Apple supports the PCL escape codes listed below for font manipulation:

```
<esc>(s#T      : typeface selection (#= 3-Courier,4-Helvetica,
                    5-Times-Roman)
<esc>(s#H      : pitch selection (#= usually 10 or 16.66 built-in)
<esc>(s#V      : character height (#= Font Size in points)
<esc>(s#B      : stroke weight (#= -7 to 7 for BOLD style)
<esc>(s0P      : proportional spacing OFF
<esc>(s1P      : proportional spacing ON
<esc>(s0S      : italic OFF
<esc>(s1S      : italic ON
<esc>&d@       : underlining OFF
<esc>&dD       : underlining ON
```

Apple also supports a variety of symbol sets (i.e. USASCII, PC-8 US, etc.) which are different types of characters available as part of the different fonts. These characters include mathematical symbols, foreign language accented characters, etc.

```
<esc>(#       : change Symbol Set (#= symbol set as listed below)
```

Symbol Set	#
-----	-----
ISO-60 Norwegian	0D
ISO-25 French	0F
German	0G
ISO-15 Italian	0I
ISO-14 JISASCII	0K
ECMA-94 Latin 1	0N
ISO-11 Swedish	0S
ISO-6 ASCII	0U
ISO-61 Norwegian	1D
ISO-4 UK	1E
ISO-69 French	1F
ISO-21 German	1G
Spanish	1S
ISO-57 Chinese	2K
ISO-17 Spanish	2S
ISO-2 IRV	2U
ISO-10 Swedish	3S
ISO-16 Portuguese	4S
ISO-84 Portuguese	5S
ISO-85 Spanish	6S

Roman-8	8U
PC-8 US	10U

In the PCL commands and Symbol Set list above, 0 represents the numeral zero, not the upper-case letter O. Also, <esc> represents the ESCAPE or esc character.

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