



Tech Info Library

PostScript Fax: When Font Substitution Takes Place (8/94)

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TOPIC -----

The manual that comes with the fax cartridge for the LaserWriter Pro 810 states that if the document being received contains anything other than the standard 35 fonts found in the printer, it substitutes the fonts with Courier. Is this true?

DISCUSSION -----

According to the Adobe technical note #5135 titled "Supporting PostScript Fax", the PostScript interpreter handles an incoming PostScript Fax document in the same manner as any other PostScript language document. Depending on how each vendor implements their driver, a font substitution to Courier could take place, or the requested font could be included with the data stream. The LaserWriter 8f driver from Apple assumes that the receiving printer contains at least the minimum 35 font set that Adobe requires for PostScript Fax printers and all other type 1 and TrueType fonts contained in the document are downloaded to the receiving PostScript fax printer with the data stream. These are the fonts that PostScript assumes are available in ROM:

Times-Roman
Times-Bold
Times-Italic
Times-BoldItalic

Courier
Courier-Bold
Courier-Oblique
Courier-BoldOblique

Palatino-Roman
Palatino-Bold
Palatino-Italic
Palatino-BoldItalic

ITC Bookman-Light
ITC-Bookman-Demi
ITC-Bookman-LightItalic
ITC Bookman-DemiItalic

Helvetica
Helvetica-Bold
Helvetica-Oblique
Helvetica-BoldOblique

ITC Avante Garde-Light
ITC Avante Garde-Demi
ITC Avante Garde-BookOblique
ITC Avante Garde-Oblique

New Century Schoolbook-Roman
New Century Schoolbook-Bold
New Century Schoolbook-Italic
New Century Schoolbook-BoldItalic

Helvetica-Narrow
Helvetica-Narrow-Bold
Helvetica-Narrow-Oblique
Helvetica-Narrow-BoldOblique

ITC Zapf Chancery-MediumItalic
ITC Zapf Dingbats
Symbols Set

Downloading the fonts to the receiving printer do add transmission time, but due to PostScript Level II's built-in LZW compression and decompression algorithms this averages out to about 35 seconds per font.

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