

 **IntelliBar**

Label Printer

Models 48, 412, and 88

Programmer's Reference Guide



Advancing the way the world prints labels...

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Preface

This IntelliBar Programmer's Reference Guide contains programming and hardware interface information written for programmers who want to generate labels from a data stream.*

An understanding of the HP PCL language, ASCII coding, hexadecimal numbers, and BASIC programming is useful when referencing several of the sections in this manual.

The manual is organized as follows:

A list of the abbreviations used in this manual follows the preface.

Section 1 HP PCL Background describes page characteristics, the HP PCL coordinate system, and the printable area of a label.

Section 2 IntelliBar Extensions to HP PCL Commands describes print and format command extensions and bar code generation command extensions.

Section 3 HP PCL Print Commands describes standard HP PCL commands you can use to control the printing operation.

Section 4 HP PCL Page Format Commands describes page format commands you can use to set page length, margins, orientation, and other features.

Section 5 HP PCL Cursor Position Commands explains commands you can use to set the active print position (or cursor position) in the printable area of the label.

Section 6 HP PCL Font Characteristics discusses the characteristics of a font and the commands you can use to select a font for printing. It also describes primary and secondary fonts.

Section 7 HP PCL Font Management and Soft Font Downloading describes the commands you use to download soft fonts to the printer's virtual memory, as well as commands for deleting a font.

Section 8 HP PCL Soft Font Design explains the commands and criteria you use to design a soft font.

Section 9 HP PCL Graphics Commands provides the commands you use to create raster images and fill (or shade) graphics.

Section 10 HP PCL Macro Commands and Programming Hints explains how you can create and control temporary and permanent macros to make more efficient use of your printer. This appendix also contains information useful for PCL software development.

Section 11 IntelliBar SAP Device Types a reference for programming the custom SAP device types for IntelliBar printers.

RELATED DOCUMENTS

The following documents provide detailed information about the IntelliBar printer and PCL 5:

- *IntelliBar User's Guide*
describes the operation of the IntelliBar printer. Available from IntelliTech International, Inc.
- *PCL Printer Language Technical Reference Manual*
describes the PCL 5 language codes and escape sequences for experienced users and programmers. Available from Hewlett-Packard (Part number 5961-0509)
- *Printer Job Language Technical Reference Manual*
describes the printer job language (PJM) for experienced users and programmers. Available from Hewlett-Packard (Part number 5961-0509)
- *PCL/PJM Technical Quick Reference Guide*
Available from Hewlett-Packard (Part number 5961-0512)

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