

# Advanced Printing Features

---

## Contents

About Advanced Printing Features	4-5
Printer Objects	4-6
Printer Driver Types	4-7
Printer View Devices	4-8
Color Matching for Printers	4-9
Print File Objects	4-9
Synonyms	4-11
General-Purpose PostScript Operator Synonym	4-12
PostScript Control Information Synonym	4-13
Dash Synonym	4-14
Line Cap Synonym	4-14
Halftone Synonym	4-15
Pattern Synonym	4-17
Cubic Synonym	4-17
QuickDraw Picture Synonym	4-18
Printing Modes	4-19
Pen Tables for Vector Devices	4-20
Using Advanced Printing Features	4-21
Using Advanced Job Object Functions	4-21
Obtaining Printer and Printer Driver Information for a Job	4-22
Getting and Setting the Reference Constant for a Job Object	4-23
Copying Job Object Information	4-25
Working With Printer Objects	4-25
Determining a Printer's Resolution	4-26
Retrieving the Color Profile and Color Space for a Printer	4-27
Manipulating Print File Objects	4-29
Opening and Closing a Print File	4-29
Saving a Print File	4-30
Obtaining the Job Object for a Print File	4-30
Reading Print File Data	4-30

Counting the Pages in a Print File	4-31
Adding or Deleting Print File Pages	4-31
Defining Different Paper Sizes	4-31
Creating a Paper-Type Object	4-32
Obtaining the Name of a Paper Type	4-32
Obtaining the Dimensions of a Paper Type	4-33
Scanning the Paper Types Available to a Job	4-34
Implementing Direct-Mode Printing	4-35
Formatting for Text Job Format Mode Printing	4-36
Using Synonyms	4-38
Advanced Printing Features Reference	4-38
Constants and Data Types for Advanced Printing Features	4-39
Job Format Modes	4-39
Text Job Format (Direct) Mode	4-40
The Status Structure	4-42
Pen Tables for Vector Devices	4-43
Constants and Data Types for Synonyms	4-45
General-Purpose PostScript Operator Synonym	4-45
PostScript Control Information Synonym	4-45
Dash Synonym	4-46
Halftone Synonym	4-46
Line Cap Synonym	4-47
Pattern Synonym	4-47
Cubic Synonym	4-48
QuickDraw Picture Synonym	4-49
Functions	4-49
Advanced Job Object Functions	4-50
GXSelectJobFormattingPrinter	4-50
GXGetJobFormattingPrinter	4-51
GXGetJobOutputPrinter	4-51
GXGetJobRefCon	4-52
GXSetJobRefCon	4-53
GXCopyJob	4-53
Manipulating Printer Objects	4-54
GXGetJobPrinter	4-55
GXGetPrinterJob	4-55
GXForEachPrinterViewDeviceDo	4-56
GXCountPrinterViewDevices	4-57
GXGetPrinterViewDevice	4-57
GXSelectPrinterViewDevice	4-58
GXGetPrinterDriverName	4-59
GXGetPrinterName	4-59
GXGetPrinterDriverType	4-60
GXGetPrinterType	4-61
Working With QuickDraw GX Print Files	4-61
GXOpenPrintFile	4-62
GXClosePrintFile	4-63

GXGetPrintFileJob	4-64
GXCountPrintFilePages	4-65
GXReadPrintFilePage	4-65
GXReplacePrintFilePage	4-66
GXInsertPrintFilePage	4-68
GXDeletePrintFilePageRange	4-69
GXSavePrintFile	4-70
Working With Paper Types	4-71
GXNewPaperType	4-71
GXDisposePaperType	4-72
GXGetNewPaperType	4-73
GXGetJobPaperType	4-74
GXCountJobPaperTypes	4-75
GXCopyPaperType	4-76
GXGetPaperTypeName	4-76
GXGetPaperTypeDimensions	4-77
GXGetPaperTypeJob	4-78
GXForEachJobPaperTypeDo	4-78
Formatting for Specific Devices	4-79
GXSetAvailableJobFormatModes	4-80
GXGetPreferredJobFormatMode	4-80
GXGetJobFormatMode	4-81
GXSetJobFormatMode	4-82
GXJobFormatModeQuery	4-83
Color Profile Functions	4-84
GXFindPrinterProfile	4-84
GXFindFormatProfile	4-85
GXSetPrinterProfile	4-87
GXSetFormatProfile	4-88
Idle Job Function	4-90
GXIdleJob	4-90
Application-Defined Functions	4-90
Message Override Function for the Printing Status Dialog Box	4-90
GXJobStatus	4-91
Looping Through a Printer's View Devices	4-92
Looping Through a Job's Paper Types	4-92
The Status Resource	4-93
Summary of Advanced Printing Features	4-95

