Configuring

Processing concerns when using PCLOut printers

There are specific limitations to the support available when sending AFP jobs to PCLOut printers.

PCLOut printers only support sending these data streams to the printer:

- PCL4
- PCL5
- PCL5c

> ⬇ **Note:** PCL4 does not support printing graphics. If you need to print graphics, you must configure the PCLOut printer to output PCL5 or PCL5c.

PCLOut printers convert jobs on a job-by-job basis. They do not create and save AFP resources (such as fonts, overlays, or page segments) from previous jobs. In addition, if the print jobs include the page overlays or page segments, they are rendered after all the other objects are processed. This might cause issues when the order of the overlapping objects is critical.

PCLOut printers do not support:

- Using any printer-resident resources
- Reusing printer resources (including fonts) from one job to the next
- Selecting output bins
- Using custom media sizes
- Using BCOCA BCD2 subset
- Using GOCA Mapping Control Options, except for the Position and Trim options
- Using default color mixing rules for foreground and background
- Generating PCL6
- Using full IS/3
- Duplex printing specified anywhere other than on the **Duplex** property of a PCLOut printer object
- Printing color IOCA images
- Using RICOH ProcessDirector symbols such as `${Job.Name}` in the PCLOut printer command

How PCLOut printers use fonts

You must install one of these supported font types on your system so they can be used by the PCLOut printer:

- 300 pel AFP fonts
- Relative-Metric AFP fonts
- AFP Outline fonts
- True Type/Open Type fonts

Because the PCL Secondary transfers data to the PCL printer character-by-character during job processing, you cannot examine the PCL data the same way you might examine standard text or PCL data. As a result, you cannot scan the output data for certain text strings.

PCLOut printer objects cannot:

- Communicate with the printer to see if the job completes printing
- Query fonts in the printer after the job has been sent to the printer

Barcodes supported

PCLOut printers only support these barcode types:
- X'01' - 3-of-9 code X'01' and X'02'
- X'02' - MSI X'01' through X'09'
- X'03' - UPC/CGPC, Version A X'00'
- X'05' - UPC/CGPC, Version E X'00'
- X'06' - UPC–Two-digit Supplemental X'00', X'01', and X'02'
- X'07' - UPC–Five-digit Supplemental X'00', X'01', and X'02'
- X'08' - EAN 8 (includes JAN short) X'00'
- X'09' - EAN 13 (includes JAN standard) X'00'
- X'0A' - Industrial 2-of-5 X'01' and X'02'
- X'0B' - Matrix 2-of-5 X'01' and X'02'
- X'0C' - Interleaved 2-of-5 X'01' and X'02'

- X'0D' - Codabar: modifier X'01' and X'02'
- X'11' - Code 128: modifier X'02', X'03', and X'04'
- X'16' - EAN Two-digit Supplemental X'00' and X'01'
- X'17' - EAN Five-digit Supplemental X'00' and X'01'
- X'18' - POSTNET: modifier X'00' through X'04'
- X'1A' - Royal Mail Postal
- X'1B' - Japan Postal
- X'1C' - DataMatrix
- X'1D' - MaxiCode
- X'1E' - PDF417
- X'1F' - Australia Post Bar Code, modifier X'00' through X'08'
- X'20' - QR Code
- X'21' - Code 93
- X'22' - USPS Four-State (Intelligent Mail): modifier X'00' through X'03'
- X'23' - Royal Mail RED TAG: modifier X'00'
- X'24' - GS1 DataBar
- X'25' - Royal Mail Mailmark

Parent topic: [Defining a workflow to print AFP data to a PCL printer](#)