

# PDL Reference Guide for the Xerox® Altalink® B8100 and C8100 Series

Customer Tip

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# Overview

This document enables you to access the extended features of the Xerox AltaLink B8100 and C8100 in environments that do not have a custom driver.

Some of the commands and syntax used in this documents requires some familiarity with either PostScript(PS) or Printer Command Language(PCL).

This document provides the Printer Description Language (PDL) commands and syntax for each feature. The following tables are also included:

- Features supported by the AltaLink Products
- Commands to use in a PCL print job
- Commands to use in a PS print job

This document is not intended to be a complete PS or PCL reference manual. It is a guide for using the PS and PCL commands with Xerox® AltaLink B8100 and C8100 Printer Series.

- PostScript Language Reference Manual, Third Edition:  
<https://www.adobe.com/jp/print/postscript/pdfs/PLRM.pdf>
- PCL5 Printer Language Technical Reference Manual:  
<http://www.hp.com/ctg/Manual/bpl13210.pdf>

# Contents

<b>Accessing Extended Features .....</b>	<b>1</b>
Using this Guide .....	1
Comment Commands .....	1
PJL SET Commands.....	2
PCL Commands.....	2
PS Commands .....	2
Media Commands .....	3
PCL5 Command Tray Mapping Tool .....	4
Formatting Commands.....	6
Finishing Commands .....	7
Print Job Accounting Commands.....	9
PJL/PCL Dependencies/Caveats.....	10
DSC/PS Dependencies/Caveats .....	10
PJL/PCL and DSC/PS Dependencies/Caveats .....	11
Examples .....	11
Basic PCL/PJL Template .....	11
Basic PostScript/DSC Template .....	13

# Accessing Extended Features

## Using this Guide

- Follow the syntax listed for the command required. Read the “Dependencies/Caveats” section for additional information.
- PCL and ASCII print jobs can use PJP commands or PCL commands to access the attributes of the printer.
- PostScript print jobs can use Document Structuring Commands (DSC) or PS commands. If there is more than one method listed to access a specific feature, determine the best method for your application and use that method.
- In this document, both PJP COMMENT and DSC are referred to as Comment commands.

## Comment Commands

To process all PJP COMMENT and DSC commands, enclose them with XRBegin and XREnd commands.

Example for a PCL or ASCII print job:

```
@PJP COMMENT XRBegin  
@PJP COMMENT OID_ATT_START_SHEET OID_VAL_JOB_SHEET_NONE;  
@PJP COMMENT XREnd
```

Example PS print job:

```
%%XRBegin  
%%OID_ATT_START_SHEET OID_VAL_JOB_SHEET_NONE;  
%%XREnd
```

The first parameter of the command is an attribute followed by a value.

Comment commands must end with a semicolon except for the XRBegin and XREnd commands.

A comment command not enclosed by XRBegin and XREnd is not a Xerox specific command and is treated as a real comment with no functional attachment to its contents.

<b>XRBegin</b>	
When interpreter receives XRBegin it begins to parse PJP COMMENT commands checking for Xerox-specific commands until it receives the command to stop parsing.	
<b>PJP COMMENT Command</b>	<b>DSC Comment Command</b>
@PJP COMMENT XRBegin	%%XRBegin

<b>XRXEnd</b>	
When the interpreter receives this command it stops parsing PDL COMMENT commands.	
<b>PDL COMMENT Command</b>	<b>DSC Comment Command</b>
@PDL COMMENT XRXEnd	%%XRXEnd

## PDL SET Commands

PDL SET commands are available for some features. If you choose to use these commands, do not enclose them with the XRXBegin and XRXEnd commands. PDL SET commands do not require a semicolon at the end of the command line.

## PCL Commands

PCL commands are available for some features. If you choose to use these commands do not enclose them with the XRXBegin and XRXEnd commands. Refer to a PCL reference manual for more specific information regarding PCL commands

## PS Commands

PS commands are available for some features. If you choose to use these commands, do not enclose them with the XRXBegin and XRXEnd commands. Refer to a PS reference manual for more specific information regarding PS commands.

## General Commands

<b>Copies</b>	
Use the following commands to specify the number of copies or collated sets of a document.	
<b>Language</b>	<b>Collated</b>
PS	<</NumCopies int /Collate true >> setpagedevice <</NumCopies int /Collate true >> setpagedevice
PDL	@PDL SET QTY=int
PCL5	No PCL5 command available, use PDL
<b>Language</b>	<b>Uncollated</b>
PS	<</NumCopies int /Collate false >> setpagedevice
PDL	@PDL SET COPIES =int
PCL5	<Esc>&I#X
PDL	No PCL5 command available, use PDL

### Banner Sheet (Start Sheet) – Device Generated

This command turns on/off the banner sheet that prints at the beginning of every job. It only applies to the job that contains the command; it does not affect any other jobs. If the device is configured to disable banner sheets, this command is ignored.

#### PJL COMMENT Command

@PJL COMMENT OID\_ATT\_START\_SHEET OID\_VAL\_JOB\_SHEET\_ "*string*";

#### DSC Command

%%OID\_ATT\_START\_SHEET OID\_VAL\_JOB\_SHEET\_ "*string*";

Where *string* is:

NONE Do not create a banner sheet for this job.

FULL Create a banner sheet for this job. By default, if the START SHEET comment is not included a banner sheet is generated unless the device has banner sheet disabled.

USER A custom start sheet is included in this job.

## Media Commands

### Media Source

This command specifies the tray to supply the job's media.

PS	<</MediaPosition <i>int</i> >> setpagedevice where <i>int</i> is from the table below.		
PCL5	<Esc>&I##H where # is from the table below.		
PCL6	ubyte ## attr_ubyte MediaSource Tray 1 example: 0xc0 0x04 0xf8 0x26 where ## is the hex number assigned to each selection.		
Tray	PS <i>int</i>	PCL5 #	PCL6
Auto select	null	7	0x01
1	1	4, 2, 3, or 6	0x04
2	2	1	0x05
3	3	5 or 23	0x07
4	4	8 or 24	0x08
5	5	21	0x0A
6	6	22	0x09

## PCL5 COMMAND TRAY MAPPING TOOL

A user with Administrator access rights to the device has the opportunity to change the PCL5 command used to identify a specific paper tray.

A user can do this by opening Xerox® CentreWare® Web by entering the printer's IP address in their favorite Web browser.

To get to the PCL Tray Mapping page select the Properties tab -> Apps -> Printing -> Page Description Languages -> PCL -> Tray Mapping. Once there the user is able to select which listed command will be used for a paper tray.

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### Media Size

This command specifies the size of media on which to print the job.

**Note:** some sizes may not apply to every printer model.

#### PCL5

<Esc> &I##A

Where # is the number from the table below.

#### PS

<</PageSize [**width height**]/CustomPageSize false >>  
setpagedevice Where **width** and **height** [**w h**] are the numbers from the table below.

#### PCL6

Defined Paper Size

ubyte\_array ubyte **## string** attr\_ubyte MediaSize

**example:** 0xc8 0xc0 **## string** 0xf8

0x25 where **## string** is from the



table below.			
<b>Media Sizes</b>	<b>PCL5 #</b>	<b>PCL6 ## String</b>	<b>PS [w h] Points</b>
Letter 8.5 x 11" (216 x 279 mm)	2	0x06 LETTER	[612 792]
Legal 8.5 x 14" (216 x 356 mm)	3	0x05 LEGAL	[612 1008]
Tabloid/ Ledger (304 x 482 mm)	6	0x06 LEDGER	[792 1224]
A3 (297 x 420 mm)	27	0x02 A3	[842 1191]
A4 (210 x 297 mm)	26	0x02 A4	[595 842]
B6 JIS (128 x 182 mm)	44	0x06 JIS B6	[363 516]
Executive 7.25 x 10.5" (184 x 266 mm)	1	0x04 EXEC	[522 756]
Postcard 6 x 9" (152 x 228 mm)	160	0x06 na-6x9	[432 648]
Postcard Hagaki (100 x 148 mm)	71	0x05 JPOST	[284 420]
Postcard Oufuku Hagaki Dbl (148 x 200 mm)	72	0x06 JPOSTD	[420 566]
<b>Note:</b> For additional Media sizes please consult your Xerox Local Support Center			

<b>Envelope Sizes</b>	<b>PCL5 #</b>	<b>PCL6 ## String</b>	<b>PS [w h] Points</b>
#9 ½ Booklet 9 x 12" (228 x 304 mm)	180	0x10 na-9x12-envelope	[648 864]
#10 4.125" x 9.5"	81	0x05 COM10	[297 684]
C4 (229 x 324 mm)	171	0x12 iso-c4-envelope-c4	[649 918]
C5 (162 x 229 mm)	91	0x02 C5	[459 649]
DL (110 x 220mm)	90	0x02 DL	[312 624]
Monarch 3.875" x 7.5"	80	0x07 MONARCH	[279 540]

Custom Media Sizes	
This command specifies the custom media size on which to print the job. Insert a media size command within the PCL portion of the print job.	
<b>PS</b>	<</PageSize [ <b>width height</b> ] /CustomPageSize true >> setpagedevice where [ <b>width height</b> ] is the physical dimension of the paper at 72 points/inch (PS points)
<b>PCL5</b>	[Esc]&f####I □ for the width [Esc]&f####J □ for the length [Esc]&l101A where #### is the physical dimension of the paper at 720 points/inch (decipoints).
<b>PCL6</b>	uint16_xy <b>x y</b> attr_ubyte CustomMediaSize ubyte eTenthsOfAMillimeter attr_ubyte CustomMediaSizeUnits  <b>ISO B6 example:</b> 0xd1 <b>0xe2 0x04 0xe0 0x06</b> 0xf8 0x2f 0xc0 0x02 0xf8 0x30 where <b>x</b> is the width (1/10mm) in hex (lsb, msb) and <b>y</b> is the length (1/10mm) in hex (lsb, msb)

Media Type		
Media types are used to distinguish the type of media a job requires.		
<b>PS</b>	<</MediaType ( <b>string</b> ) >> setpagedevice	
<b>PCL5</b>	<Esc>&n#Wd <b>string</b> where # is the length of string+1, and <b>string</b> from the table below	
<b>PCL6</b>	ubyte_array uint16 <b>## ## string</b> attr_ubyte MediaType <b>Example:</b> 0xc8 0xc1 <b>0x0C 0x00 transparency</b> 0xf8 0x27 where <b>## ##</b> is the length of the string in hex (lsb, msb), and <b>string</b> from the table below.	
<b>PS (string) value</b>	<b>PCL5 examples</b>	<b>PCL6 Hexadecimal and String</b>
cardstock	<Esc>&n10Wd <b>cardstock</b>	0x09 0x00 cardstock
envelope	<Esc>&n9Wd <b>envelope</b>	0x08 0x00 envelope
Labels	<Esc>&n7Wd <b>labels</b>	0x06 0x00 labels
Letterhead	<Esc>&n11Wd <b>letterhead</b>	

Edge-to-Edge Printing
This command allows devices to print edge to edge (full bleed) or not.
<b>PJL</b>
@ PJL SET XEDGETOEDGE= <b>string</b>
Where <b>string</b> is YES or NO

## Formatting Commands

### Feed Edge

The values indicate the feed edge to use. Feeds paper so that Leading Edge of paper is the shorter side.	
<b>PJL COMMENT Command String</b>	<b>DSC Comment Command String</b>
@PJL COMMENT OID_ATT_FEED_EDGE	%% OID_ATT_FEED_EDGE
Where <b>string</b> is: OID_VAL_FEED_EDGE_SHORT_LEADING OID_VAL_FEED_EDGE_SHORT_TRAILING OID_VAL_FEED_EDGE_LONG_LEADING OID_VAL_FEED_EDGE_LONG_TRAILING	
<b>PS</b>	
<< /Leading Edge <i>int</i> >> setpagedevice	
<b>null</b> = use default orientation for specified /PageSize to select which edge is the top of the page. <b>0</b> = Short edge, leading edge is the top of the page. <b>2</b> = Short edge, trailing edge is the top of the page.	

<b>Simplex / Duplex Printing</b>			
This command specifies if a job is to print on one side or both sides of the sheet. Choose one of the methods below for indicating this feature.			
<b>Simplex/Duplex</b>	<b>PS</b>	<b>PCL5</b>	<b>PJL</b>
one-sided	<< /Duplex false /Tumble false >> setpagedevice	<Esc>&I0S	@PJL SET DUPLEX=OFF
two-sided long-edge	<< /Duplex true /Tumble false >> setpagedevice	<Esc>&I1S	@PJL SET DUPLEX= ON @PJL SET BINDING= LONGEDGE
two-sided short-edge	<< /Duplex true /Tumble true >> setpagedevice	<Esc>&I2S	@PJL SET DUPLEX= ON @PJL SET BINDING= SHORTEGE

## Finishing Commands

<b>Offset</b>	
This feature provides a physical offset of hard copy that distinguishes between sets or stacks within a job.	
<b>PJL</b>	<b>PS</b>
@PJL SET JOBOFFSET= <b>string</b>	<< /Jog <i>int</i> >> setpagedevice
Where <b>string</b> is ON or OFF	Where <b>int</b> is: 0 = no offset, 3 = offset each set

<b>Output Destination</b>
Indicates the output bin where the print job is sent. <b>Note:</b> Some output options may not be available on every product model

<b>PJL COMMENT Command</b>	
Simple Catch Tray Offset Catch Tray	@PJL COMMENT OID_ATT_OUTPUT_BINS OID_VAL_OUTPUT_BIN_MIDDLE;
Top output tray of finisher	@PJL COMMENT OID_ATT_OUTPUT_BINS OID_VAL_OUTPUT_BIN_TOP;
Finisher stacker tray	@PJL COMMENT OID_ATT_OUTPUT_BINS OID_VAL_OUTPUT_BIN_STACKER;
<b>PS</b>	
Simple Catch Tray Offset Catch Tray	<< /OutputType (MiddleTray) >> setpagedevice
Top output tray of finisher	<< /OutputType (TopTray) >> setpagedevice
Finisher stacker tray	<< /OutputType (Stacker) >> setpagedevice
<b>PCL</b>	
Top output tray of finisher	<esc>&l1G
Stacker/Main output tray	<esc>&l2G
Side output tray	<esc>&l3G
Middle Output Tray	<esc>&l4G
Stacker2 output tray	<esc>&l5G

<b>Staple</b>	
This command indicates use and location of staple(s).	
<b>PJL COMMENT Command</b>	
@PJL COMMENT XRXSTAPLE= <b><i>string</i></b> ;	
Where <b><i>string</i></b> is: PORTRAIT, LANDSCAPE, DUAL For multiple staples (4) use the command below: @PJL COMMENT OID_ATT_FINISHING OID_VAL_FINISHING_STAPLE_MULTIPLE;	
<b>PS</b>	
<< /Staple <b><i>int</i></b> /StapleDetails << /Type 1 /StapleLocation ( <b><i>string</i></b> ) >> >> setpagedevice	
Where <b><i>int</i></b> is: 0 = No Staple, 3 = Staple at end of set Where <b><i>string</i></b> is: SinglePortrait, SingleLandscape, DualLandscape, Multiple	

<b>Hole Punch</b>	
This command indicates hole punches for a print job on a device with hole punch capability. <b>Note:</b> Some hole punch options may not be available on every product model.	
<b>PJL COMMENT Command</b>	<b>DSC Comment Command</b>
@PJL COMMENT OID_ATT_PUNCH <i>int</i> ;	%%OID_ATT_PUNCH <i>int</i> ;
Where <i>int</i> is: 0 = Punch Off 1 = Punch On, 2 = Use 2 Hole Punch 3 = Use 3 Hole Punch, 4 = Use 4 Hole Punch <b>Note:</b> <i>int</i> 1 will be emitted to invoke the default punch setting on the device.	
<b>PS</b>	
<< /Punch <i>int1</i> /PunchDetails << /Type 6 /NumHoles <i>int2</i> >> >> setpagedevice	
Where <i>int1</i> is: 0 = Punch Off 4 = Punch On (after each showpage or copy page operation) Where <i>int2</i> is: 0 = Punch Off, 1 = Punch On, 2 = 2 Hole Punch, 3 = 3 Hole Punch, 4 = 4 Hole Punch <b>Note:</b> Setting NumHoles to 1 causes a punch with the default number of holes.	

## Print Job Accounting Commands

<b>Network Accounting</b>	
Allows User ID data to be sent with job for the purposes of Job-based accounting.	
<b>PJL COMMENT Command</b>	
@PJL COMMENT OID_ATT_ACCOUNTING_INFORMATION_AVP "XRX_USERID, <i>xxxx</i> ";	
Where <i>xxxx</i> is actual User ID entered by user.	
<b>DSC Comment Command</b>	
%%OID_ATT_ACCOUNTING_INFORMATION_AVP "XRX_USERID, <i>xxxx</i> ";	
Where <i>xxxx</i> is actual User ID entered by user.	
Allows Account ID data to be sent with job for the purposes of Job-based accounting.	
<b>PJL COMMENT Command</b>	
@PJL COMMENT OID_ATT_ACCOUNTING_INFORMATION_AVP "XRX_ACCTID, <i>yyyy</i> ";	
Where <i>yyyy</i> is actual Account ID entered by user.	
<b>DSC Comment Command</b>	
%%OID_ATT_ACCOUNTING_INFORMATION_AVP "XRX_ACCTID, <i>yyyy</i> ";	
Where <i>yyyy</i> is actual Account ID entered by user.	

### Internal Auditor or Xerox® Standard Accounting

This PJP command sends the users pin number for use by devices that support the Internal Auditor or Xerox® Standard Accounting (XSA). You must provide at least a valid USERID. You may also provide a GENERAL Account number or GROUP Account number if required.

#### PJP COMMENT Command

```
@PJP COMMENT OID_ATT_ACCOUNTING_INFORMATION_AVP "XRX_USERID,xxxx";  
@PJP COMMENT OID_ATT_ACCOUNTING_INFORMATION_AVP  
"XRX_GENERALACCT,yyyy"; @PJP COMMENT  
OID_ATT_ACCOUNTING_INFORMATION_AVP "XRX_GROUPACCT,zzzz";
```

Where **xxxx** is a valid USER Pin number.  
Where **yyyy** is a valid GENERAL  
Account number. Where **zzzz** is a valid  
GROUP Account number.

#### DSC Comment Command

```
%%OID_ATT_ACCOUNTING_INFORMATION_AVP "XRX_USERID,xxxx";  
%%OID_ATT_ACCOUNTING_INFORMATION_AVP "XRX_GENERALACCT,yyyy";  
%%OID_ATT_ACCOUNTING_INFORMATION_AVP "XRX_GROUPACCT,zzzz";
```

Where **xxxx** is a valid USER Pin number.  
Where **yyyy** is a valid GENERAL  
Account number. Where **zzzz** is a valid  
GROUP Account number.

## PJP/PCL Dependencies/Caveats

- Locate all PJP commands in the beginning of the file before the image data starts (PS or PCL).
- To combine printer escape commands (not including PJP commands):
  - The first two characters after the <esc> **must** be the same.
  - All alpha characters must be lowercase, except the final terminating character.
  - The commands are read left to right. Combine commands in the order you wish them to execute.
  - For example, print 5 copies (<ESC>&I5X) and use letter size (<ESC>&I2A) is combined as: <ESC>&I5x2A
- In case of duplicate commands, the last one requested takes precedence.
- The PJP SET COPIES command takes precedence over the PCL command (<Esc>&I#X) to determine number of copies. In general, PJP commands takes precedence over PCL commands.

## DSC/PS Dependencies/Caveats

- All %% commands (DSC comments) must be in the first 64KB of the job.

- The following media sizes do not print duplex and do not support staple commands: A6, B6, 5 x 7" Postcard (4.5 x 6"), envelopes and any custom sized media where the page width is less than 5.5". A request to duplex or staple these media sizes is ignored.
- Jobs that indicate Transparencies, Labels, Envelopes or Tab-Stock do not support duplex commands. The duplex print request is ignored when any of these media types are used.

## PJL/PCL and DSC/PS Dependencies/Caveats

- Use one of the following methods to specify media selection (where applicable):
  - Describe the media attributes with size, color, and type to allow the device to select the matching source tray. If this media description method is used, leave the tray source command out of the job, or set to Auto. If not, the tray source command takes precedence over the tray selection capabilities of the device.
  - Indicate the tray source for the job. If the tray source command is used, the system automatically defaults paper type to the defined SYSTEM DEFAULT unless specified otherwise. This prevents inadvertent use of special paper types. To override, include a paper type specification of UNSPECIFIED in the job.

## Examples

### BASIC PCL/PJL TEMPLATE

This section illustrates a standard PCL template that is used to access general print features. This example lists each feature and the syntax, both PCL commands and PJL, required to use these features.

Note: This section is only an example that may include features and commands that do not exist for every product model.

#### Example 1 Header for Simple Print

```
<Esc>%-12345X @PJL SET COPIES= 1
@PJL COMMENT XRXbegin
@PJL COMMENT OID_ATT_JOB_OWNER "John Smith"; @PJL COMMENT
OID_ATT_JOB_NAME "Print Job"; @PJL COMMENT XRXend
@PJL ENTER LANGUAGE=PCL
[Insert PCL document or text to be printed here]
<Esc>%-12345X
```

### Example 2 Header for Proof Print

This is a proof print job header that requests 6 copies

```
<Esc>%-12345X @PJL SET COPIES= 6
@PJL COMMENT XRXbegin
@PJL COMMENT OID_ATT_JOB_TYPE OID_VAL_JOB_TYPE_ PROOF_PRINT @PJL
COMMENT XRXend
@PJL ENTER LANGUAGE=PCL
[Insert PCL document or text to print here]
<Esc>%-12345X
```

### Example 3 Header for Finishing Options

This is a proof print job header requesting the staple option. You must send the job to the stacker using the native PCL command.

```
<Esc>%-12345X
@PJL COMMENT XRXbegin
@PJL COMMENT OID_ATT_JOB_OWNER "John Smith"
@PJL COMMENT OID_ATT_JOB_TYPE OID_VAL_JOB_TYPE_PROOF_PRINT; @PJL
COMMENT OID_ATT_FINISHING OID_VAL_FINISHING_STAPLE; @PJL COMMENT
XRXSTAPLE=PORTRAIT;
@PJL COMMENT XRXend @PJL ENTER LANGUAGE=PCL
<Esc>&l2G
[Insert PCL document or text to print here]
<Esc>%-12345X
```

\*\*\* Some Products will need to only select the Stapler, the stacker will be automatically added.

This example print job specifies the following items: Job owner; Job name; 11 x 17 paper size; Heavyweight, Green paper, 1 staple, draft mode.

#### Section 1 (Opening Command, Required for all files)

```
<Esc>%-12345X
```

#### Section 2 (PJL Set Commands)

```
@PJL SET RESOLUTION=600 @PJL SET COPIES=1
@PJL SET DENSITY=4 @PJL SET JOBOFFSET=ON
```

#### Section 3 (XRXbegin – Opening Comment Statement, Required)

```
@PJL COMMENT XRXbegin
```

PDL Reference Guide for Xerox® AltaLink® B8100 and C8100 Products



Section 4 (PJL Comments)

@PJL COMMENT OID\_ATT\_JOB\_NAME "Readme.txt"; (Quotation marks are required)

@PJL COMMENT OID\_ATT\_START\_SHEET  
OID\_VAL\_JOB\_SHEET\_NONE;

@PJL COMMENT OID\_ATT\_JOB\_OWNER "John Smith"; (Quotation marks are required)

@PJL COMMENT OID\_ATT\_JOB\_TYPE OID\_VAL\_JOB\_TYPE\_PRINT;  
@PJL COMMENT OID\_ATT\_DEFAULT\_MEDIUM\_TYPE "Cardstock";  
@PJL COMMENT OID\_ATT\_DEFAULT\_MEDIUM\_COLOUR "Green";

@PJL COMMENT OID\_ATT\_PRINT\_QUALITY  
OID\_VAL\_PRINT\_QUALITY\_DRAFT; @PJL COMMENT  
OID\_ATT\_FINISHING OID\_VAL\_FINISHING\_STAPLE;

@PJL COMMENT XRXSTAPLE=PORTRAIT;

Section 5 (XRXend - Closing Statement for Comment Section, Required)

@PJL COMMENT XRXend

Section 6 (PCL Code used to invoke PCL Language)

@PJL ENTER LANGUAGE=PCL

Section 7 (PCL Data Stream or ASCII Document inserted here for Options such as Selecting Different Fonts, Simplex, Duplex, etc.)

[Document or Text to print inserted here]

Section 8 (Closing Command, Required at end of Document)

<Esc>%-12345X

**BASIC POSTSCRIPT/DSC TEMPLATE**

This section is an example of a standard PostScript template that is used to access general print features. This template lists each feature and the syntax, both Postscript commands and DSC (Document Structuring Conventions) required.

This example print job specifies the following items; Job owner; Job name; 11 x 17 paper size; Drilled; Ivory paper; 1200 x 1200 resolution; Staple off; Landscape; Sample set; Draft mode; Offset off; Banner sheet off; Duplex long edge; One copy

Section 1 (Adobe Reference Command)

%!PS

Section 2 (XRXbegin - Opening Comment Statement, Required)

%%XRXbegin

### Section 3 (OID Commands)

```
%%OID_ATT_JOB_OWNER "John Smith"; (Quotation marks are required)
%%OID_ATT_JOB_TYPE OID_VAL_JOB_TYPE_PRINT;
%%OID_ATT_START_SHEET OID_VAL_JOB_SHEET_NONE;
%%OID_ATT_JOB_NAME "Readme.txt"; (Quotation marks are required)
%%OID_ATT_PRINT_QUALITY OID_VAL_PRINT_QUALITY_DRAFT;
```

### Section 4 (XRXend - Closing statement for Comment Section, Required)

```
%%XRXend
```

### Section 5 (Options Such as Selecting Different Fonts, Simplex, Duplex, etc.)

```
<< /PostRenderingEnhance false >> setpagedevice
<< /Staple 0 >> setpagedevice
<< /Jog 0 >> setpagedevice
<< /ManualFeed false >> setpagedevice
<< /MediaType (Drilled) >> setpagedevice
<< /MediaColor (Ivory) >> setpagedevice
<< /DeviceRenderingInfo << /Type 4 /ValuesPerColorComponent 2 >> >> setpagedevice
<< /PageSize [792 1224] >> setpagedevice
<< /Duplex true /Tumble false >> setpagedevice
<< /Collate false >> setpagedevice
```

### Section 6 (Postscript Data Stream Inserted Here)

```
[Postscript]
```

### Section 6 (Postscript Data Stream Inserted Here)

```
%%EOF
```

### Example Header for Finishing Options

This job header specifies the following items: 10 copies; Duplex; Collated; Staples; Sent to the main tray; Job name; Bold image quality

Note: To use the staple and collate features, you must send the output to the stacker

```
%!PS
%%XRXbegin
%%OID_ATT_JOB_OWNER "John Smith";
%%XRXend
<< /PageSize [612 792] >> setpagedevice
<< /OutputType (MainTray) >> setpagedevice
<< /Staple 3 >> setpagedevice
<< /Duplex true /Tumble false >> setpagedevice
<< /PostRenderingEnhance true >> setpagedevice
<< /Collate true >> setpagedevice
```

<< /NumCopies 10 >> setpagedevice

## Additional Information

You can reach Xerox Customer Support at <http://www.xerox.com> or by calling Xerox Support in your country.

Xerox Customer Support welcomes feedback on all documentation - send feedback via e-mail to: [USA.DSSC.Doc.Feedback@xerox.com](mailto:USA.DSSC.Doc.Feedback@xerox.com).