

Customer Tips

... for the user

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PDL Reference Guide for the Xerox ColorQube 9201/9202/9203

Accessing Extended Features

Overview

This document describes how to access the extended features of the products listed in environments for which Xerox does not make a custom driver.

Note: Some of the commands and syntax used in this document requires 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 WorkCentre platform.
- commands to use in a PCL print job
- commands to use in a PS print job

This document is not intended as a PS or PCL reference manual, but a guide for using the extended features in PS, PCL or ASCII print jobs.

Using this Guide

1. Refer to the Feature List for the feature you wish to implement. Select the page number to jump to that page.
2. Follow the syntax listed for the command you selected. Read the "Dependencies/Caveats" section. You can access features using several methods:
 - PCL or PS commands
 - PDL SET commands
 - Xerox specific COMMENT command.

This document applies to these Xerox products. The information in this document may apply to a feature(s) optional for your device.

X	ColorQube 9201/9202/9203
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Feature Listing

PCL and ASCII print jobs can use PDL commands or PCL commands to access the attributes of the device. If there is more than one method listed to access a specific feature, determine the best method for your application and use that method.

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.

For this document, both PDL COMMENT and DSC are referred to as Comment commands.

Getting Started

Comment Commands

To process all PDL COMMENT commands and DSC, enclose them with XRxBegin and XRPEnd commands. The following example shows a PCL or ASCII print job:

```
@PDL COMMENT XRxBegin
@PDL COMMENT OID_ATT_START_SHEET OID_VAL_JOB_SHEET_NONE ;
@PDL COMMENT XRPEnd
```

This example shows a PS print job:

```
%%XRxBegin
%%OID_ATT_START_SHEET OID_VAL_JOB_SHEET_NONE ;
%%XRPEnd
```

- The parameters of the command are an attribute followed by a value.
- Comment commands must end with a semicolon except for the XRxBegin and XRPEnd commands.
- A comment command not enclosed by XRxBegin and XRPEnd is NOT a Xerox specific command and is treated as a real comment with no functional attachment to its contents.

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 XRPEnd 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 XRPEnd commands. Refer to a PCL reference manual for more specific information regarding PCL commands.

PS Commands

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

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XRXBegin				
When the interpreter receives this command it begins to parse PDL COMMENT commands to check for Xerox-specific commands until it receives the command to stop parsing.				
PDL COMMENT Command	DSC Comment Command	PDL SET	PCL Cmd	PS Cmd
@PDL COMMENT XRXbegin	%%XRXbegin	N/A	N/A	N/A

XRXEnd	
When the interpreter receives this command it stops parsing PDL COMMENT commands.	
PDL COMMENT Command	DSC Comment Command
@PDL COMMENT XRXend	%%XRXend

General Comment Commands

JOB NAME	
The value for Job Name is stored for printing on the banner page.	
PDL COMMENT Command	DSC Comment Command
@PDL COMMENT JOB NAME " string ";	%%OID_ATT_JOB_NAME " string ";
Where string is a maximum of 40 characters. This appears as the first item on the banner sheet.	

JOB OWNER	
The value for Job Owner is stored for printing on the banner page.	
PDL COMMENT Command	DSC Comment Command
@PDL COMMENT OID_ATT_JOB_OWNER " string ";	%%OID_ATT_JOB_OWNER " string ";
Where string is a maximum of 40 characters. This appears as the second item on the banner sheet.	

QUANTITY		
This PDL variable is used to specify the number of collated sets of a document. A value greater than 9999 results in 9999 copies produced. A value less than one results in one copy produced.		
PDL SET	PCL Cmd	PS Cmd
@PDL SET COPIES= int	NA	NA
Where int is 1 to 9999.		

COPIES		
Use this command to specify the number of non-collated sets of a document in a print job. With COPIES specified, the device renders X number of copies of page 1 of the document, X number of copies of page 2, and so on. Use the COLLATION command in conjunction with the COPIES command to set a collate value.		
PJL SET	PCL 6 Cmd	PS Cmd
@PJL SET COPIES= <i>int</i> ;	uint16 <i>int</i> ubyte pagecopies	<</NumCopies <i>int</i> >>
Where <i>int</i> is 1 to 9999.		

JOB TYPE	
The Job Type command indicates a job that requires special handling.	
PJL COMMENT Command	DSC Comment Command
@PJL COMMENT OID_ATT_JOB_TYPE OID_VAL_JOB_TYPE <i>string</i> ;	%%OID_ATT_JOB_TYPE OID_VAL_JOB_TYPE <i>string</i> ;
Where <i>string</i> is one of the following:	
PRINT	Indicates a normal print job.
PROOF_PRINT	Comparable to Sample Set in a driver. This job type allows you to specify multiple copies with the @PJL SET COPIES command. One set prints for review. Then you can release or delete the job.
FAX_SEND	This job type directs a print job to use the embedded fax board and fax the job to a phone number instead of printing the job. See the FAX SEND command for the commands to provide the phone number and other fax options.

DELAY PRINT	
Delays printing a job until the time specified by the command.	
PJL COMMENT Command	DSC Comment Command
@PJL COMMENT OID_ATT_JOB_PRINT_AFTER "yyyymmddhhmmss";	%%OID_ATT_JOB_PRINT_AFTER "yyyymmddhhmmss";
Where <i>yyyy</i> =year, <i>mm</i> =month, <i>dd</i> =day, <i>hh</i> =hours, <i>mm</i> =minutes, <i>ss</i> =seconds	

FAX SEND	
Must use with the FAX_SEND Job Type command.	
Required Commands	
PJL COMMENT Command	DSC Comment Command
@PJL COMMENT OID_ATT_START_SHEET OID_VAL_JOB_SHEET_NONE; @PJL COMMENT OID_ATT_JOB_TYPE OID_VAL_JOB_TYPE_FAX_SEND; @PJL COMMENT OID_ATT_FAX_DESTINATION_PHONE "xxxx";	%%OID_ATT_START_SHEET OID_VAL_JOB_SHEET_NONE; %%OID_ATT_JOB_TYPE OID_VAL_JOB_TYPE_FAX_SEND; %%OID_ATT_FAX_DESTINATION_PHONE "xxxx";
Where <i>xxxx</i> is the phone number and any special access numbers. If a dialing prefix is added, it must be immediately followed by a pause (comma) character. Each fax number can be up to 30 characters in length.	
Optional Commands	
@PJL COMMENT	%%OID_ATT_FAX_COVER_SHEET <i>string</i> ;

OID_ATT_FAX_COVER_SHEET string ;	
Where string is: TRUE FALSE	
@PJL COMMENT OID_ATT_FAX_CONFIRMATION_SHEET string ;	%%OID_ATT_FAX_CONFIRMATION_SHEET string ;
Where string is: TRUE FALSE	
@PJL COMMENT OID_ATT_FAX_RESOLUTION int ;	%%OID_ATT_FAX_RESOLUTION int ;
Where int is: 0 – Standard Resolution 1 – Fine Resolution 2 – Super Fine Resolution	
@PJL COMMENT OID_VAL_FAX_TYPE string ;	%%OID_ATT_FAX_TYPE OID_VAL_FAX_TYPE string ;
Where string is: G3_AUTO = Super G3 (33.6kbps) G3_14400 = G3 (14.4kbps) G3_FORCED_4800 = Forced 4800 bps	
@PJL COMMENT OID_ATT_JOB_FAX_AFTER " string "	%%OID_ATT_JOB_FAX_AFTER OID_ATT_JOB_FAX_AFTER " string "
Where string is: "YYYYMMDDHHMMSS" where SS is always "00".	
@PJL COMMENT OID_ATT_CREDIT_CARD " xxxx "; Where xxxx is the credit card or charge code required to send the fax. Select this option and enter the credit card number (up to 16 digits) if you want to charge the fax call to a credit card. The credit card number is concealed on confirmation reports.	
Characters for phone numbers, prefix numbers, credit cards, and other numeric entries. = Wait for dial tone. ! Used to designate a mailbox signal. , Used to initiate a pause period; default pause period is 3 seconds. / Used to delineate private data. \$ Signifies to wait for a confirmation dial tone. <1> Use preceding a fax number to specify which fax line should be used on systems that support dual fax lines. <2> Use preceding a fax number to specify which fax line should be used on systems that support dual fax lines.	

BANNER SHEET (START SHEET)	
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	DSC Command
@PJL COMMENT OID_ATT_START_SHEET OID_VAL_JOB_SHEET " string ";	%%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 Comment Commands

MEDIA SOURCE			
This command specifies the tray to supply the job's media. These are PCL commands rather than PDL commands. Insert this command within the PCL portion of the print job.			
PCL Cmd		PS Cmd	
<esc> &intH		<</MediaPosition int>>	
Where <i>int</i> is one of the following:			
Description			
	PCL5 int	PCL6 int	PS int
Auto Select	7	1	<null>
Tray 1	1	4	1
Tray 2	4	5	2
Tray 3	23	7	3
Tray 4 (Bypass)	2	8	4
Tray 5	6	10	5
NOTE: When sending a job with a tray selection, issue a MEDIA COLOUR "Unspecified" and MEDIA TYPE "Unspecified" PDL COMMENT in the PDL.			

MEDIA SIZE							
This command specifies the size of media on which to print the job. These are PCL commands rather than PJI commands. Insert a media size command within the PCL portion of the print job.							
PCL Cmd / PCL6 Cmd				PS Cmd			
<esc> &1 <i>int</i> A / PCL 6c Emulation <i>int</i>				<</PageSize [<i>width height</i>]/ImagingBBox null>> Note: / ImagingBBox null is optional			
Where <i>int</i> is one of the following:				Where <i>width</i> and <i>height (w h)</i> is one of the following:			
Media Sizes	PCL5 <i>int</i>	PCL6 <i>int</i>	PS (w h) Points	Media Sizes	PCL5 <i>int</i>	PCL6 <i>int</i>	PS (w h) Points
Letter 8.5 x 11" (216 x 279 mm)	2	0	612 X 791	A3 (297 x 420 mm)	27	5	842 X 1191
Legal 8.5 x 14" (216 x 356 mm)	3	1	612 X 1009	A4 Oversized (223 x 297 mm)	113	113	632 x 842
Tabloid (Ledger) 11 x 17" (279 x 432 mm)	6	4	792 X 1225	A4 Tab (225 x 297 mm)	123	123	638 x 842
Executive 7.25 x 10.5" (184 x 267 mm)	1	3	522 x 756	A5 (148 x 210 mm)	25	16	425 x 595
Statement 5.5 x 8.5" (216 x 140 mm)	143	143	396 x 612	B4 (250 x 353 mm)	179	179	709 x 1002
Foolscap, Euroletter, US Folio 8.5 x 13" (216 x 330 mm)	18	157	612 x 935	B5 (176 x 250 mm)	100	12	499 x 709
Letter Tab 9 x 11" (229 x 279mm)	146	146	649 x 791	JIS B4 (257 x 364 mm)	46	10	729 x 1032
Oversized Tabloid, Arch B 12 x 18" (305 x 457mm)	148	148	864 x 1296	JIS B5 (182 x 257 mm)	45	11	516 x 729
A4 (210 x 297 mm)	26	2	595 X 842				
Envelope Sizes	PCL5 <i>Int</i>	PCL6 <i>int</i>	PS (W H) Points	Envelope Sizes	PCL5 <i>Int</i>	PCL6 <i>int</i>	PS (W H) Points
Envelope 6 x 9" (152 x 229 mm)	181	181	432 x 648	C4 Envelope (229 x 324 mm)	171	171	649 x 918
Envelope 9 x 12" (229 x 305 mm)	180	180	648 x 864	C5 Envelope (162 x 229 mm)	91	8	459 x 649
No. 10 Envelope 4.1 x 9.5" (105 x 241 mm)	81	6	297 x 684	DL Envelope (110 x 220 mm)	90	9	312 x 624

NOTE: When sending a job with a media size, there must be a MEDIA COLOUR "Unspecified" and MEDIA TYPE "Unspecified" PJI COMMENT command issued in the PDL.

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.	
PS Cmd	PCL Cmd / PCL6 Cmd
<pre>%%BeginFeature: *CustomPageSize [width height 0 0 1] pop pop pop 2 dict begin 2 array astore /PageSize exch def /ImagingBBox null def currentdict end %%EndFeature</pre> <p>Note: /ImagingBBox null is optional</p>	<p>PCL</p> <pre>[Esc]&f####I [Esc]&f####J [esc]&l101A</pre> <p>#### is the physical dimension of the paper</p> <p>PCL6</p> <pre>x y CustomMediaSize eTenthsOfAMillimeter CustomMediaSizeUnits</pre>
<p>Paper Size Ranges: In process limits: 210 – 457.2 mm Cross Process Limits: 104 – 320 mm</p>	

MEDIA TYPE				
Media types are used to distinguish the type of media a job requires. If using the Media Source command, set the Media Type command to Unspecified.				
Paper Type	PS String Value	PCL5	PCL 6 Length /String	
			Length	String
Automatically Select Type	/MediaType Unspecified	[Esc]&n12WdUnspecified	11	Unspecified
Printer Default Type (default)	/MediaType System-Default	[Esc]&n8WdDefault	7	Default
Plain	/MediaType Standard	[Esc]&n6WdPlain	5	Plain
Hole Punched	/MediaType Drilled	[Esc]&n11WdPrepunched	10	Prepunched
Transparency	/MediaType Transparency	[Esc]&n13WdTransparency	12	Transparency
Pre-Cut Tabs...*	/MediaType PrecutTabs	[Esc]&n5WdTabs	4	Tabs
Heavyweight	/MediaType LightCardStock	[Esc]&n6WdHeavy	5	Heavy
Extra Heavyweight	/MediaType CardStock	[Esc]&n10WdCardStock	9	CardStock
Recycled Paper	/MediaType Recycled	[Esc]&n9WdRecycled	8	Recycled
Labels	/MediaType Labels	[Esc]&n7WdLabels	6	Labels
Pre-Printed	/MediaType Preprinted	[Esc]&n11WdPreprinted	10	Preprinted
Envelope	/MediaType Envelope	[Esc]&n9WdEnvelope	8	Envelope
Gloss Coating	/MediaType LightGlossy	[Esc]&n6WdGloss	5	Gloss
Custom Type 1	/MediaType Custom1	[Esc]&n12WdCustomType1	11	CustomType1
Custom Type 2	/MediaType Custom2	[Esc]&n12WdCustomType2	11	CustomType2
Custom Type 3	/MediaType Custom3	[Esc]&n12WdCustomType3	11	CustomType3
Custom Type 4	/MediaType Custom4	[Esc]&n12WdCustomType4	11	CustomType4
Custom Type 5	/MediaType Custom5	[Esc]&n12WdCustomType5	11	CustomType5
Custom Type 6	/MediaType Custom6	[Esc]&n12WdCustomType6	11	CustomType6
Custom Type 7	/MediaType Custom7	[Esc]&n12WdCustomType7	11	CustomType7

MEDIA COLOR	
Use this command to indicate the color of the media used to print a job. The strings are case sensitive with the first letter capitalized and the rest lower-case. When using a Media Source command, issue a Media Type command set to Unspecified.	
PJL COMMENT Command	PS Set Page
@PJL COMMENT OID_ATT_DEFAULT_MEDIUM_COLOUR "string";	/MediaColor <i>int</i>
Where string is one of the following: Unspecified, System-Default, White, Blue, Yellow, Green, Pink, Clear, Ivory, Gray, Buff, Goldenrod, Red, Orange, Custom1, Custom2, Custom3, Custom4, Custom5, Custom6, Custom7, Other	

Formatting Comment Commands

COLLATION	
This attribute controls the collation status of the output. COLLATE results in sets of pages, for example two copies of a 3-page job results in pages 1 through 3 printed, then pages 1 through 3 printed again. NO_PAGE COLLATE results in page 1 printing twice, page 2 printing twice and page 3 printing twice.	
PJL COMMENT Command	PS Set Page
@PJL COMMENT OID_ATT_OUTPUT <i>string</i> ;	/Collate true /Collate false
Where string is one of the following: OID_VAL_OUTPUT_PAGE_COLLATE OID_VAL_OUTPUT_NO_PAGE_COLLATE	

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

BINDING
BINDING defines along which edge a duplex page is flipped. In portrait orientation, LONGEDGE binding indicate pages turn as in a book, SHORTEdge binding indicates pages turn as those in a flip chart. In printing/graphic arts nomenclature, SHORTEdge is analogous to DUPLEX TUMBLE. BINDING is ignored if the document is simplex.
PJL SET
@PJL SET BINDING= <i>string</i>
Where <i>string</i> is: SHORTEdge LONGEDGE

SIMPLEX / DUPLEX PRINTING			
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.			
Short edge bind (<i>Duplex Tumble ON</i>) = Duplex so that when page is rotated about the short edge, second side image is right side up.			
Long edge bind (<i>Duplex Tumble OFF</i>) = Duplex so that when page is rotated about the long edge, second side image is right side up.			
DSC Comment Cmd	PCL5 Cmd	PCL6 Cmd	PS Set Page
%%OID_ATT_PLEX OID_VAL_PLEX_ <i>string</i> ;	PCL5 <ESC>&intS	PCL6 eDuplex <i>string</i> Binding	/Duplex <i>string</i> /Tumble
Where <i>string</i> is: SIMPLEX DUPLEX	Where <i>int</i> is: 0 = Simplex 1 = Long Edge Bind 2 = Short Edge Bind	Where <i>string</i> is: Vertical = Short Edge Horizontal = Long Edge.	Where <i>string</i> is: true false

Finishing Comment Commands

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

OUTPUT DESTINATION	
Indicates the output bin where the print job is sent.	
PJL COMMENT Cmd	PS Set Page
@PJL COMMENT OID_ATT_OUTPUT_BINS OID_VAL_OUTPUT_BIN_ <i>string</i> ;	/OutputType <i>string</i>
Where <i>string</i> is: MIDDLE TOP STACKER	Where <i>string</i> is: MiddleTray TopTray Stacker

STAPLE		
This command indicates use and location of staple(s). Not all finishers support all the staple options listed. Choose one of the following methods to indicate this feature.		
PJL COMMENT Cmd	DSC Comment Cmd	PS Set Page
@PJL COMMENT XRXSTAPLE= <i>string</i> ;	N/A	/Staple <i>int</i> /StapleDetails<</Type 1 /StapleLocation(" <i>string</i> ")
Where <i>string</i> is: PORTRAIT LANDSCAPE DUAL	N/A	Where <i>int</i> is: 0 = No Staple 3 = Staple at end of set Where <i>string</i> is: SinglePortrait SingleLandscape DualLandscape Multiple
The following command indicates use of a multiple staples (4).		
@PJL COMMENT OID_ATT_FINISHING OID_VAL_FINISHING_STAPLE_MULTIPLE;		

HOLE PUNCH		
This command indicates hole punches for a print job on a device with hole punch capability.		
PJL COMMENT Cmd	DSC Comment Cmd	PS Cmd
@PJL COMMENT OID_ATT_PUNCH <i>int</i> ;	%%OID_ATT_PUNCH <i>int</i> ;	/Punch <i>int1</i> /PunchDetails /Type 6 /NumHoles <i>int2</i>
Where <i>int</i> is: 0 = Punch Off 1 = Punch On		Where <i>int1</i> is: 0 for Punch Off 4 for Punch On after each showpage or copy page operation. Where <i>int2</i> is: 0 for Punch Off 1 for Punch On Note: Setting NumHoles to 1 causes a punch with the default number of holes.

FOLD		
This command indicates an optional fold type generated by the professional finisher. The short edge feed command is also required to use the booklet fold command.		
PJL COMMENT Cmd	DSC Comment Cmd	PS Set Page
@PJL COMMENT OID_ATT_FOLD <i>string</i> ;	%%OID_ATT_FOLD OID_VAL_FOLD_ <i>string</i> ;	/Fold <i>int1</i> /FoldDetails /Type 5 /FoldMethod <i>int2</i>
Where <i>string</i> is: TRIFOLDC TRIFOLDZ ZFOLD		Where <i>int1</i> is: 0 = No Fold 3 = Fold at end of set Where <i>int2</i> is: 1 = TriFold C 2 = TriFold Z 3 = Z-Fold HalfSheet
<p>Note:</p> <ul style="list-style-type: none"> • TriFold C requires a LeadingEdge 0 and/or OID_VAL_FEED_EDGE_SHORT_LEADING command to insure SEF feeding. • TriFold Z requires a LeadingEdge 0 and/or OID_VAL_FEED_EDGE_SHORT_LEADING command. 		

BOOKLET FOLD		
This command indicates to fold the print job if the Professional Finisher is installed. The short edge feed command is also required to use the booklet fold command.		
PJL COMMENT Cmd	DSC Comment Cmd	PS Set Page
@ PJL COMMENT OID_ATT_BOOKLET OID_VAL_BOOKLET_NOSTAPLE; @PJL COMMENT OID_ATT_FINISHING OID_VAL_FINISHING_BOOKLET @ PJL COMMENT OID_ATT_FEED_EDGE OID_VAL_FEED_EDGE_SHORT_TRAILING	%%OID_ATT_BOOKLET OID_VAL_BOOKLET_NOSTAPLE; %%OID_ATT_FINISHING OID_VAL_FINISHING_BOOKLET; %%OID_ATT_FEED_EDGE OID_VAL_FEED_EDGE_SHORT_TRAILING;	/Booklet true /BookletDetails /Type 2 /Staples 0 /LeadingEdge 2

BOOKLET STAPLE		
This command indicates staples for folded print jobs. Use with booklet fold commands above.		
PJL COMMENT Cmd	DSC Comment Cmd	PS Set Page
@PJL COMMENT OID_ATT_BOOKLET_ <i>string</i> ;	%%OID_ATT_BOOKLET OID_VAL_BOOKLET_ <i>string</i> ;	/Booklet <i>string</i> /BookletDetails /Type 2 /Staple <i>int</i> /LeadingEdge 2
Where <i>string</i> is: STAPLE NOSTAPLE		Where string is <i>true</i> or <i>false</i> Where int is 0 = Do not staple 2 = 2 Staples

Image Quality

PRINT QUALITY		
This command sets the resolution value.		
PS Command	PJL Command	DSC Comment Cmd
Use DSC Comments	%%OID_ATT_PRINT_MODE	OID_VAL_PRINT_MODE_ <i>string</i>
Where <i>string</i> is: PREMIUM = High Resolution / Photo STANDARD = Enhanced DRAFT = Standard FAST_COLOR = Fast Color		

COLOR MODE	
Use this command to adjust the delivery of color rendering.	
PJL COMMENT Cmd	PS Commands
@PJL COMMENT OID_ATT_COLOR_MODE OID_VAL_COLOR_MODE_ <i>string</i> ;	%%OID_ATT_COLOR_MODE OID_VAL_COLOR_MODE_ <i>string</i> ;
Where <i>string</i> is: AUTOMATIC BLACK_WHITE NONE	

Print Job Accounting

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

INTERNAL AUDITRON	
This PJL command sends the users pin number for use by devices that support the Internal Auditron 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.	
PJL COMMENT Cmd	DSC Comment Cmd
@PJL COMMENT OID_ATT_ACCOUNTING_INFORMATION_AVP "XRX_USERID,xxxx"; @PJL COMMENT OID_ATT_ACCOUNTING_INFORMATION_AVP "XRX_GENERALACCT,yyyy"; @PJL COMMENT OID_ATT_ACCOUNTING_INFORMATION_AVP "XRX_GROUPACCT,zzzz";	%%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 <i>xxxx</i> is a valid USER Pin number. Where <i>yyyy</i> is a valid GENERAL Account number. Where <i>zzzz</i> is a valid GROUP Account number.	

Covers

FRONT COVER ONLY	
This command specifies a job has a front (only) cover sheet and whether the cover sheet is imaged (TRUE) or blank (FALSE).	
PJL COMMENT Cmd	DSC Comment Cmd
@PJL COMMENT OID_ATT_FIRST_PAGE_IMAGED " String ";	%%OID_ATT_FIRST_PAGE_IMAGED " String ";
Where string is: TRUE FALSE	

FRONT COVER ONLY MEDIA COLOR	
This command indicates the first page of a job is to print on media of a specified color. Requires that OID_ATT_FIRST_PAGE_IMAGED is also used.	
PJL COMMENT Cmd	DSC Comment Cmd
@PJL COMMENT OID_ATT_FIRST_PAGE_MEDIA_COLOR " string ";	%%OID_ATT_FIRST_PAGE_MEDIA_COLOR " string ";
Where string is one of the following. Entries are case sensitive. White, Yellow, Green, Buff, Red, Ivory, Gray, Clear, Pink, Goldenrod, Orange, Unspecified, Blue, Other, Custom1, Custom2, Custom3, Custom4, Custom5, Custom6, Custom7	

FRONT COVER ONLY MEDIA SIZE	
This command indicates the first page of a job is to print on media of a specified size. Requires that OID_ATT_FIRST_PAGE_IMAGED is also used.	
PJL COMMENT Cmd	DSC Comment Cmd
@PJL COMMENT OID_ATT_FIRST_PAGE_MEDIA_SIZE " mm mm ";	%%OID_ATT_FIRST_PAGE_MEDIA_SIZE " mm mm ";
Where mm mm is one of the metric sizes listed in the MEDIA SIZE table.	

FRONT COVER ONLY MEDIA TYPE	
This command indicates the first page of a job is to print on media of a specified type. Requires that OID_ATT_FIRST_PAGE_IMAGED is also used.	
PJL COMMENT Cmd	DSC Comment Cmd
@PJL COMMENT OID_ATT_FIRST_PAGE_MEDIA_TYPE " string ";	%%OID_ATT_FIRST_PAGE_MEDIA_TYPE " string ";
Where string is one of the following. Entries are case sensitive. Standard, Transparency, Labels, Drilled, Recycled, Preprinted, Envelopes, Cardstock, HeavyWeight2, Bond, Lightweight, LightCardStock, LightCardStock2, LightGlossy, LightGlossy2, HeavyGlossy, HeavyGlossy2, Tabs, Letterhead, Custom1, Custom2, Custom3, Custom4, Custom5, Custom6, Custom7, Unspecified, Other, System-Default	

FRONT AND BACK COVER	
This command indicates the first and last pages of a job are covers. Do not use this command in conjunction with the FIRST_PAGE_IMAGED.	
PJL COMMENT Cmd	DSC Comment Cmd
@PJL COMMENT OID_ATT_FIRSTLAST_PAGE_IMAGED " String ";	%%OID_ATT_FIRSTLAST_PAGE_IMAGED " String ";
Where string is: TRUE FALSE	

FRONT AND BACK COVER MEDIA COLOR	
This command indicates the first and last page of a job is to print on media of a specified color. Requires that OID_ATT_FIRSTLAST_PAGE_IMAGED is also used.	
PJL COMMENT Cmd	DSC Comment Cmd
@PJL COMMENT OID_ATT_FIRSTLAST_PAGE_MEDIA_COLOR " string ";	%%OID_ATT_FIRSTLAST_PAGE_MEDIA_COLOR " string ";
Where string is one of the following. Entries are case sensitive. White, Yellow, Green, Buff, Red, Ivory, Gray, Clear, Pink, Goldenrod, Orange, Unspecified, Blue, Other, Custom1, Custom2, Custom3, Custom4, Custom5, Custom6, Custom7	

FRONT AND BACK COVER MEDIA SIZE	
Overrides the document's media size for the first and last sheet. Requires OID_ATT_FIRSTLAST_PAGE_IMAGED to be used also.	
PJL COMMENT Cmd	DSC Comment Cmd
@PJL COMMENT OID_ATT_FIRSTLAST_PAGE_MEDIA_SIZE " mm mm ";	%%OID_ATT_FIRSTLAST_PAGE_MEDIA_SIZE " mm mm ";
Where mm mm is one of the metric sizes listed in the MEDIA SIZE table.	

FRONT AND BACK COVER MEDIA TYPE	
Overrides the document's media type for the first and last sheet. Requires OID_ATT_FIRSTLAST_PAGE_IMAGED to be used also.	
PJL COMMENT Cmd	DSC Comment Cmd
@PJL COMMENT OID_ATT_FIRSTLAST_PAGE_MEDIA_TYPE " string ";	%%OID_ATT_FIRSTLAST_PAGE_MEDIA_TYPE " string ";
Where string is one of the following. Entries are case sensitive. Standard, Transparency, Labels, Drilled, Recycled, Preprinted, Envelopes, Cardstock, HeavyWeight2, Bond, Lightweight, LightCardStock, LightCardStock2, LightGlossy, LightGlossy2, HeavyGlossy, HeavyGlossy2, Tabs, Letterhead, Custom1, Custom2, Custom3, Custom4, Custom5, Custom6, Custom7, Unspecified, Other, System-Default.	

INTERLEAVE	
This command identifies the type of page to insert between sets.	
PJL COMMENT Cmd	DSC Comment Cmd
@PJL COMMENT OID_ATT_INTERLEAVE OID_VAL_INTERLEAVE <i>string</i> ;	%%OID_ATT_INTERLEAVE OID_VAL_INTERLEAVE <i>string</i> ;
Where <i>string</i> is one of the following: NONE BLANK IMAGED	

INTERLEAVE MEDIA COLOR	
This command identifies the color of the interleaved pages.	
PJL COMMENT Cmd	DSC Comment Cmd
@PJL COMMENT OID_ATT_INTERLEAVE_COLOR " <i>string</i> ";	%%OID_ATT_INTERLEAVE_COLOR " <i>string</i> ";
Where <i>string</i> is one of the following. Entries are case sensitive. White, Blue, Yellow, Green, Pink, Clear, Ivory, Gray, Buff, Goldenrod, Red, Orange, Unspecified, Other, Custom1, Custom2, Custom3, Custom4, Custom5, Custom6, Custom7	

PJL/PCL Dependencies/Caveats

- Locate all PJL commands in the first 64KB of the job.
- To combine printer escape commands (not including PJL 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 them in the order you wish them executed.
For example, print 5 copies (<ESC>&15X) and use letter size (<ESC>&12A) is combined as:
<ESC>&15x2A
- In case of duplicate commands, the last one requested takes precedence.
- The @PJL SET COPIES takes precedence over the PCL Escape Command (<ESC> & 1 int X) to determine number of copies. In general, a PJL command takes precedence over a PCL command.
- When printing a job with an odd number of pages and duplex front and back imaged covers, the printer always prints on both sides of the front and back covers. The remaining pages are printed on the document body media type and color with a blank page inserted to allow an image on both sides of the back cover.
- When using the Blank Front or the Blank Front & Back Cover command, the Cover Media Size command is optional. If the cover size command is not in the PDL, the printer assumes the cover media size is the same as the document body.
- Use one of the following methods to specify media selection:
 - Describe the media attributes with size, color, and type and allow the device to select the matching source tray. If the media description method is used, leave source tray selection out of the request or set to Auto. If not, the tray selection defeats the auto tray selection capabilities of the device.
 - Indicate the tray to supply media. If the source tray method 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.

DSC/PS Dependencies/Caveats

- All %% commands (DSC comments) must be in the first 64KB of the job.
- WorkCentres supports PostScript resolutions up to and including 1800 x 1800. Some PostScript jobs may not print if the high resolution is indicated. If this occurs, print the same job at a lower resolution.
- 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.
- When printing an odd number of pages in a document with duplex front and back imaged covers, the printer always prints on both sides of the front and back covers. The remaining pages print on the document body media type and color with a blank page inserted to allow an image on both sides of the back cover.
- When using the Blank Front or the Blank Front and Back Cover command, the Cover Media Size command is optional. If the Cover Media Size command is not in the PDL, the printer assumes the cover media size as that of the document body.
- Use one of the following methods to specify media selection:
 - Describing the media attributes with size, color, and type and allowing the device to select the matching source tray. If the media description method is used, leave source tray selection out of the request or specifically set to Auto. Otherwise, the tray selection defeats the auto tray selection capabilities of the device.
 - Specifically indicate the tray to feed from. If the source tray method is used, the system automatically defaults paper type to the defined SYSTEM DEFAULT unless specified otherwise. This occurs to prevent 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 as well as Document Centre product specific features. This template lists each feature and the syntax, both PCL commands and PJL, required to use these features. The next section of this document contains other examples of how to use these commands.

Note:

This print job specifies the following items:

- Job owner
- Job name
- 11 x 17 paper size
- Heavyweight
- Green paper
- 1 staple
- Sample set
- Draft mode

Note: The quotations in the Job Name and Job Owner lines are required.

Section 1 (Opening Command, Required for all files)

```
<ESC>%-12345X@PJL JOB
```

Section 2 (PJL Set Commands)

```
@PJL SET RESOLUTION=600
```

```
@PJL SET COPIES=1
```

```
@PJL SET JOBOFFSET=ON
```

Section 3 (XRXbegin – Opening Comment Statement, Required)

```
@PJL COMMENT XRXbegin
```

Section 4 (PJL Comments)

```
@PJL COMMENT OID_ATT_JOB_NAME "Readme.txt";
```

```
@PJL COMMENT OID_ATT_START_SHEET OID_VAL_JOB_SHEET_NONE;
```

```
@PJL COMMENT OID_ATT_JOB_OWNER "John Smith";
```

```
@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;
```

```
"6.15.0.128.95.124.157.20.0.1.11.4";
```

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
```

Sample PCL Headers

Note:

This is a simple print job header specifying the Job Owner and Job Name and one copy.

The quotations in the Job Owner and Job Name lines are required.

Example 1 Header for Simple Print

```
<ESC>%-12345X@PJL JOB
@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
[Insert document or text to be printed here]
<ESC>%-12345X
```

Note:

This is a proof print job header that requests 6 copies.

Example 2 Header for Proof Print

```
<ESC>%-12345X@PJL JOB
@PJL SET COPIES= 6
@PJL COMMENT XRXbegin
@PJL COMMENT OID_ATT_JOB_TYPE OID_VAL_JOB_TYPE_PROOF_PRINT
@PJL COMMENT XRXend
[Insert document or text to print here]
<ESC>%-12345X
```

Note:

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

Example 3 Header for Finishing Options

```
<ESC>%-12345X@PJL JOB
@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
[Insert document or text to print here]
<ESC>%-12345X
```

Basic PostScript/DSC Template

This section illustrates a standard PostScript template that is used to access general print features as well as Document Centre product specific features. This template lists each feature and the syntax, both Postscript commands and DSC (Document Structuring Conventions) required to use these features.

Section 1 (Adobe Reference Command)

%!PS

Section 2 (XRXbegin - Opening Comment Statement, Required)

%% XRXbegin

Section 3 (OID Commands)

```
%%OID_ATT_JOB_OWNER "John Smith";
%%OID_ATT_JOB_TYPE OID_VAL_JOB_TYPE_PRINT;
%%OID_ATT_START_SHEET OID_VAL_JOB_SHEET_NONE;
%%OID_ATT_JOB_NAME "Readme.txt";
%%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.)

Note: For better performance it is recommended to use one single setpagedevice.

```
<< /PostRenderingEnhance false >> setpagedevice
    << /Staple 0 >> setpagedevice
    << /Jog 0 >> setpagedevice
    << /ManualFeed false >> setpagedevice
    << /MediaType (Drilled) >> setpagedevice
    << /MediaColor (Ivory) >> setpagedevice
<< /DeviceRenderingInfo << /Type 4 /ValuesPerColorComponent 2 >>
    /HWRResolution [1200 1200] >> setpagedevice
    << /PageSize [792 1224] /ImagingBBox null >> setpagedevice
    << /Duplex true /Tumble false >> setpagedevice
    << /Collate false >> setpagedevice
```

Section 6 (Postscript Data Stream Inserted Here)

[Postscript]

Section 7 (EOF - Closing Statement for PostScript File, Required)

%%EOF

Note:

The 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

The quotations in the Job Name and Job Owner lines are required.

Note:

The header for simple print specifies the Job Owner, Job Name, and one copy.

The quotations in the Job Owner and Job Name lines are required.

Example 1 Header for Simple Print

```
%!PS
%%XRXbegin
%%OID_ATT_JOB_OWNER "John Smith"
%%OID_ATT_JOB_NAME "Print Job"
%%OID_ATT_COPY_COUNT 1
%%XRXend
```

Note:

This is a proof print job header. This job requests 6 copies.

Example 2 Header for Proof Print

```
%!PS
%%XRXbegin
%%OID_ATT_JOB_TYPE OID_VAL_JOB_TYPE_PROOF_PRINT
%%OID_ATT_COPY_COUNT 6
%%XRXend
```

Note:

This job header specifies the following items:

- 10 copies
- Duplex
- Collated
- Stapled
- 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.

Example 3 Header for Finishing Options

```
%!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
```

Supported PostScript Fonts

Identifying Trademark	Typeface	Identifying Trademark	Typeface
AlbertusMT		GreekMono851	Bold
AlbertusMT	Italic	GreekMono851	BoldItalic
AlbertusMT	Light	GreekMono851	Italic
AntiqueOlive	Roman	GreekMono8859-7	
AntiqueOlive	Italic	GreekMono8859-7	Bold
AntiqueOlive	Bold	GreekMono8859-7	BoldItalic
AntiqueOlive	Compact	GreekMono8859-7	Italic
Apple	Chancery	GreekSans737	
ArialMT		GreekSans737	Bold
Arial	BoldItalicMT	GreekSans737	BoldItalic
Arial	BoldMT	GreekSans737	Italic
Arial	ItalicMT	GreekSans851	
AvantGarde	Book	GreekSans851	Bold
AvantGarde	Book Oblique	GreekSans851	BoldItalic
AvantGarde	Demi	GreekSans851	Italic
AvantGarde	Demi Oblique	GreekSans8859-7	
Bodoni		GreekSans8859	Bold
Bodoni	Bold	GreekSans8859	BoldItalic
Bodoni	BoldItalic	GreekSans8859	Italic
Bodoni	Italic	GreekSerif737	
Bodoni	Poster	GreekSerif737	Bold
Bodoni	PosterCompressed	GreekSerif737	BoldItalic
Bookman	Demi	GreekSerif737	Italic
Bookman	Demilight	GreekSerif851	
Bookman	Light	GreekSerif851	Bold
Bookman	LightItalic	GreekSerif851	BoldItalic
Carta		GreekSerif851	Italic
Chicago		GreekSerif8859-7	
Clarendon		GreekSerif8859-7	Bold
Clarendon	Bold	GreekSerif8859-7	BoldItalic
Clarendon	Light	GreekSerif8859-7	Italic
CooperBlack		Helvetica	
CooperBlack	Italic	Helvetica	Bold
Copperplate	ThirtyThreeBC	Helvetica	BoldOblique
Copperplate	ThirtyTwoBC	Helvetica	Condensed
Coronet	Regular	Helvetica	Condensed-Bold
Courier		Helvetica	Condensed-BoldOblique
Courier	Bold	Helvetica	Condensed-Oblique
Courier	BoldOblique	Helvetica	Narrow
Courier	Oblique	Helvetica	Narrow-Bold
Eurostile		Helvetica	Narrow-BoldOblique
Eurostile	Bold	Helvetica	Narrow-Oblique
Eurostile	BoldExtendedTwo	Helvetica	Oblique
Eurostile	ExtendedTwo	HoeflerText	Black
Geneva		HoeflerText	BlackItalic
GillSans		HoeflerText	Italic
GillSans	Bold	HoeflerText	Ornaments
GillSans	BoldCondensed	HoeflerText	Regular
GillSans	BoldItalic	JoannaMT	
GillSans	Condensed	JoannaMT	Bold
GillSans	ExtraBold	JoannaMT	BoldItalic
GillSans	Italic	JoannaMT	Italic
GillSans	Light	LetterGothic	
GillSans	LightItalic	LetterGothic	Bold
Goudy		LetterGothic	BoldSlanted
Goudy	Bold	LetterGothic	Slanted
Goudy	BoldItalic	LubalinGraph	Book
Goudy	ExtraBold	LubalinGraph	BookOblique
Goudy	Italic	LubalinGraph	Demi
GreekMono737		Lubalin Graph	DemiOblique
GreekMono737	Bold	Marigold	
GreekMono737	BoldItalic	Monalisa	Recut
GreekMono737	Italic	Monaco	
GreekMono851		NewCenturySchlbk	Book

Identifying Trademark	Typeface
NewCenturySchlbk	BoldItalic
NewCenturySchlbk	Italic
NewCenturySchlbk	Roman
New York	
Optima	
Optima	Bold
Optima	BoldItalic
Optima	Italic
Oxford	
Palatino	Bold
Palatino	BoldItalic
Palatino	Italic
Palatino	Roman
StempelGaramond	Bold
Stempel Garamond	BoldItalic
Stempel Garamond	Italic
Stempel Garamond	Roman
Symbol	
SystemBoldFont	
SystemFont	
Tekton	
Times	Bold
Times	BoldItalic
Times	Italic

Identifying Trademark	Typeface
Times	Roman
TimesNewRomanPS	BoldItalicMT
TimesNewRomanPS	BoldMT
TimesNewRomanPS	ItalicMT
TimesNewRomanPSMT	
Univers	
Univers	Bold
Univers	BoldExt
Univers	BoldExtObl
Univers	BoldOblique
Univers	Condensed
Univers	CondensedBold
Univers	CondensedBoldOblique
Univers	CondensedOblique
Univers	Extended
Univers	ExtendedObl
Univers	Light
Univers	LightOblique
Univers	Oblique
WingDings	
WingDings	
ZapfChancery	Regular
ZapfDingbats	MediumItalic

Supported PCL5 Fonts

Identifying Trademark	Typeface
Albertus	Medium
Albertus	Extra Bold
Antique Olive	
Antique Olive	Italic
Antique Olive	Bold
Arial	
Arial	Italic
Arial	Bold
Arial	Bold Italic
CG Omega	
CG Omega	Italic
CG Omega	Bold
CG Omega	Bold Italic
CG Times	
CG Times	Italic
CG Times	Bold
CG Times	Bold Italic
Clarendon Condensed	
Coronet	
Courier	
Courier	Italic
Courier	Bold
Courier	Bold Italic
Courier PS	
Courier PS	Oblique
Courier PS	Bold
Courier PS	Bold Oblique
Dorit	
Dorit	Bold
Garamond	Antiqua
Garamond	Kursiv
Garamond	Halbfett
Garamond	Kursiv Halbfett
Helvetica	
Helvetica	Oblique
Helvetica	Bold
Helvetica	Bold Oblique

Identifying Trademark	Typeface
Helvetica	Narrow
Helvetica	Narrow Oblique
Helvetica	Narrow Bold
Helvetica	Narrow Bold Oblique
ITC Avant Garde	Black
ITC Avant Garde	Black Oblique
ITC Avant Garde	DemiBold
ITC Avant Garde	DemiBold Oblique
ITC Bookman	Light
ITC Bookman	Light Italic
ITC Bookman	DemiBold
ITC Bookman	DemiBold Italic
Koufi	
Koufi	Bold
Letter Gothic	
Letter Gothic	Bold
Letter Gothic	Italic
Line Printer	
Malka	
Malka	Italic
Malka	Bold
Marigold	
Naamit	
Naamit	Bold
Naskh	
Naskh	Bold
New Century Schoolbook	Roman
New Century Schoolbook	Italic
New Century Schoolbook	Bold
New Century Schoolbook	Bold Italic
Palatino	Roman
Palatino	Italic
Palatino	Bold
Palatino	Bold Italic
Ryadh	
Ryadh	Bold
Symbol	

Identifying Trademark	Typeface
Symbol PS	
Times Bold	Italic
Times New Roman	
Times New Roman	Italic
Times New Roman	Bold
Times New Roman	Bold Italic
Times Roman	
Times Roman	Italic
Times Roman	Bold
Univers	Medium

Identifying Trademark	Typeface
Univers	Medium Italic
Univers	Bold
Univers	Bold Italic
Univers	Medium Condensed
Univers	Medium Condensed Italic
Univers	Bold Condensed
Univers	Bold Condensed Italic
Wingdings	
Zapf Chancery	
Zapf Dingbats	Medium Italic

Additional Information

You can reach Xerox Customer Support at 1-800-821-2797 (USA), TTY 1-800-855-2880 or at <http://www.xerox.com>.

Xerox Customer Service welcomes feedback on all documentation - send feedback via e-mail to: USA.DSSC.Doc.Feedback@mc.usa.xerox.com.

Other Tips about Xerox multifunction devices are available at the following URL: <http://www.office.xerox.com/support/dctips/dctips.html>.

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