



BradyPrinter i3300

Supported Scripting Languages

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Revision A

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Supported Scripting Languages

The following tables describe the ZPL, jScript and DPL commands that are supported by the BradyPrinter i3300.

Note: For Brady Print Language (BPL) commands see the BPL Programmer’s Guide which is included on your Product CD.

ZPL Supported Commands

Job Control

Job Control Descriptions	ZPL®
Command Character 1	^
Command Character 2	~
Comment Line	^FX
Label Home	^LH
Label Length	^LL
Set Unit of Measurement	^MU
Mirror Image	^PM
Print Quantity	^PQ
Start Job	^XA
End Job	^XZ

Objects

Drawing Objects

Drawing Objects Descriptions	ZPL® Command
Rectangle	^GB
Circle	^GC
Diagonal Line	^GD
Ellipse	^GE

Text Commands

Text Description	ZPL® Command
Set Text Font (A-Z, 0-9)	^A
Set Default Font	^CF

Barcodes

Barcode Descriptions	ZPL® Command
ANSI Codabar	^BK
Aztec 1	^B0
Aztec 2	^BO
Code 39	^B3
Code 93	^BA
Code 128	^BC
EAN/JAN-8	^B8
EAN/JAN-13	^BE
Field Default	^BY
Interleaved 2 of 5	^B2
MSI	^BM
Plessey	^BP
QR Code	^BQ

Field Data

Field Data Descriptions	ZPL® Command
Field Data	^FD
Origin (set upper left corner relative to label home)	^FO
Field Separator (end of field definition)	^FS

jScript Supported Commands

Job Control

Job Control Descriptions	jScript
Start Job	J
End Job (see Number of Labels)	--
Set Label Size (width and length)	S
Measuring Unit (mm, inches, dots)	m
Mirror Print	O
Cut	C
Number of Labels / End Job	A

Objects

Drawing Objects

Drawing Objects Descriptions	jScript
Draw Object	G
Rectangle	R
Line	L
Circle	C
Ellipse	C

Text

Text Description	jScript
Start text object	T

Barcodes

Barcode Descriptions	jScript
Bar Code	B
Aztec	AZTEC
Codabar A / F	CODABAR
Code 128 A / B / C	CODE128
Code 39	CODE39
Code 93	CODE93
Data Matrix	DATAMATRIX
EAN-8	EAN8
EAN-13	EAN13
HIBC	HIBC
Interleaved 2 of 5	2OF5INTERLEAVED
JAN 8	JAN8
JAN 13	JAN13
MSI Plessey	MSI
PDF417	PDF417
QR Code	QRCODE

Field Data

Setting Field Data Descriptions	jScript
Comments (not sent to printer)	;

Printer Status

Printer Status Descriptions	jScript
Heat/Speed Settings	H

DPL Supported Commands

Note: These commands conform to Revision D, 2001 Datamax Programmer's Manual

Commands

Commands Descriptions	DPL
Set Continuous paper Length	<STX>c
Enter Label-Formatting Command	<STX>L
Set Printer Metric	<STX>m
Set Printer Inches	<STX>n
Set Format Attribute (<i>Only 2, "Transparent Mode" parameter is supported.</i>)	A
Terminate Label formatting Mode and Print Label	E
Heat Setting	H
Set Metric Mode	m
Set Inches Mode	n
Set Print Speed (<i>Only values A, C, E, G are supported(1 - 4 ips respectively).If an unsupported value is entered, it will use default value</i>)	P
Set Quantity of Labels to Print	Q

Barcodes

Barcode Descriptions	D
Barcode Command Structure	b [bb] c d eee ffff gggg jj...j where: a = Rotation (1, 2, 3, 4) b [bb] = Barcode c = Wide Bar, (always fixed value of 1)* d = Narrow Bar (1-9)* eee = Symbol Height (001 - 999) ffff = Row (0000 - 9999) gggg = Column jj...j = Data (valid 255-character ASCII string plus termination)
Code 3 of 9	A
UPC-A	B
Interleaved 2 of 5	D
Code 128	E
EAN-13	F
EAN-8	G
HBIC	H
Codabar	I
Interleaved 2 of 5 with Modulo 10 Checksum	J
Plessey	K
Code 93	O
PDF-417	Z

Objects

Object Descriptions	DPL
<p>Draw Box <i>(Parameters bbbb and ssss indicate line thickness of box and must be the same.)</i></p>	<p>1X1100000970013b0093004200020002 <i>where:</i> 1 = Fixed value x = Fixed Value 1 = Fixed Value 1 = Fixed Value eee = Fixed value(000) ffff = Row gggg = Column b = Box hhhh = Horizontal Width vvvv = Vertical Height bbbb = Bottom & Top Thickness ssss = Side Thickness(Not Supported)</p>
<p>Draw Box <i>(Parameters bbb and sss indicate line thickness of box and must be the same.)</i></p>	<p>1X1100000970013B093042002002 <i>where:</i> 1 = Fixed value x = Fixed value 1 = Fixed Value 1 = Fixed Value eee = Fixed Value (000) ffff = Row gggg = Column B = Box hhh = Horizontal Width vvv = Vertical Height bbb = Bottom & Top Thickness sss = Side Thickness(Not Supported)</p>
<p>Draw Line</p>	<p>1X1100000970013I00930042 <i>where:</i> 1 = Fixed value x = Fixed value 1 = Fixed Value 1 = Fixed Value eee = Fixed Value(000) ffff = Row gggg = Column I = Line Drawing hhhh = Horizontal Width of Line vvvv = Vertical Height of Line</p>

Object Descriptions	DPL
<p>Draw Line</p>	<p>1X1100000970013L093042 <i>where:</i> 1 = Fixed value x = Fixed value 1 = Fixed Value 1 = Fixed Value eee = Fixed Value(000) ffff = Row gggg = Column L = Line Drawing hhh = Horizontal Width of Line vvv = Vertical Height of Line</p>
<p>Text (font) <i>Only some True Type fonts are supported. All bitmap and scalable fonts will default to Arial so there will be output on the label (exception is CG Times Family font, which will be mapped to Times New Roman). An entry will be made into the error log.</i></p> <p><i>The CG Times Family font is specified by the sA0-sAz Parameter in the label definition command.</i></p>	<p>Text support bold (FB+), italic (FI+) and underline (FU+) formats. Text can be justified to center (JC), left (JL) and right (JR).</p>
<p>Circle <i>A circle is created by defining by its center point and radius.</i></p>	<p>1 X 11 ppp rrrr cccc C ppp bbbb rrrr <CR> <i>where:</i> 1 = Rotation(must be 1) X = Graphic Field 1 = Multiplier(must be 1) 1 = Multiplier(must be 1) ppp = Fill pattern (none, solid) rrrr = Row of Center Point cccc = Column of Center Point C = Circle ID (fixed value) ppp = Fixed Value bbbb = Fixed Value rrrr = Radius of Circle <CR> = Termination Character</p>