

Note: This printer emulates the HP LaserJet IIP.

Command Summary:

FUNCTION	MNEMONIC	HEXADECIMAL	DECIMAL
Backspace	BS	08	8
Horizontal Tab	HT	09	9
Line Feed	LF	0A	10
Form Feed	FF	0C	12
Carriage Return	CR	0D	13
Shift Out	SO	0E	14
Shift In	SI	0F	15
Escape	ESC	1B	27
Space	SP	20	32

Job Control:

Self Test	ESC z	1B 7A	27 122
Reset Printer	ESC E	1B 45	27 69
Number of Copies	ESC &InX	1B 26 6C n 58	27 38 108 n 88

Line and Page Control:

Paper Input Control	ESC &InH	1B 26 6C n 48	27 38 108 n 72
---------------------	----------	---------------	----------------

Page Length and Size:

Page Size	ESC &InA	1B 26 6C n 41	27 38 108 n 65
Set Page Length	ESC &InP	1B 26 6C n 50	27 38 108 n 80
Select Page Orientation	ESC &InO	1B 26 6C n 4F	27 38 108 n 79

Margins and Text Length:

Set Top Margin	ESC &InE	1B 26 6C n 45	27 38 108 n 69
Set Text Length	ESC &InF	1B 26 6C n 46	27 38 108 n 70
Set Left Margin	ESC &IanL	1B 26 6C n 4C	27 38 97 n 76
Set Right Margin	ESC &IanM	1B 26 6C n 4D	27 38 97 n 77
Clear Side Margins	ESC 9	1B 39	27 57

Perforation Skip Mode:

Perforation Skip Mode On/Off	ESC &InL	1B 26 6C n 4c	27 38 108 n 76
------------------------------	----------	---------------	----------------

Horizontal Column Spacing:

Set Vertical Motion Index (HMI)	ESC &knH	1B 26 6B n 48	27 38 107 n 72
---------------------------------	----------	---------------	----------------

Vertical Line Spacing:

Set Vertical Motion	ESC &InC	1B 26 6C n 43	27 38 108 n 67
---------------------	----------	---------------	----------------

Index (VMI)
Set lines per inch ESC &InD 1B 26 6C n 44 27 38 108 n 68

Cursor Control:

Horizontal and Vertical:

Horizontal Cursor ESC &anC 1B 26 61 n 43 27 38 97 n 67
Positioning (Columns)

Horizontal Cursor ESC &pnX 1B 2A 70 n 58 27 42 112 n 88
Positioning (Dots)

Horizontal Cursor ESC &anH 1B 26 61 n 48 27 38 97 n 72
Positioning
(Decipoints)

Vertical Cursor ESC &anR 1B 26 61 n 52 27 38 97 n 82
Positioning
(Dots)

Vertical Cursor ESC *pnY 1B 2A 70 n 59 27 42 112 n 89
Positioning
(Decipoints)

Half Line Feed ESC = 1B 3D 27 61

Line Termination:

Line Termination ESC &knG 1B 26 6B n 47 27 38 107 n 71

Push/Pop Position:

Push/Pop Position ESC &fnS 1B 26 66 n 53 27 38 102 n 83

Character and Font Control:

Symbol Set Selection:

Symbol Set Selection ESC (nID 1B 28 n ID 27 40 n ID
(Primary)

Symbol Set Selection ESC)nID 1B 29 n ID 27 41 n ID
(Secondary)

Spacing:

Select Character ESC (snP 1B 28 73 31 50 27 40 115 49 80
Spacing (Primary)

Select Character ESC)snP 1B 29 73 31 50 27 41 115 49 80
Spacing (Secondary)

Pitch:

Select Font Pitch ESC (snH 1B 28 73 n 48 27 40 115 n 72
(Primary)

Select Font Pitch (Secondary)	ESC)snH	1B 29 73 n 48	27 41 115 n 72
----------------------------------	----------	---------------	----------------

Point Size:

Character Height Selection (Primary)	ESC (snV	1B 28 73 n 56	27 40 115 n 86
---	----------	---------------	----------------

Character Height Selection (Secondary)	ESC)snV	1B 29 73 n 56	27 41 115 n 86
---	----------	---------------	----------------

Style:

Select Character Style (Primary)	ESC (snV	1B 28 73 n 53	27 40 115 n 83
-------------------------------------	----------	---------------	----------------

Select Character Style (Secondary)	ESC)snV	1B 28 73 n 53	27 40 115 n 83
---------------------------------------	----------	---------------	----------------

Character Thickness:

Select Thickness (Primary)	ESC (snB	1B 28 73 n 42	27 40 115 n 66
-------------------------------	----------	---------------	----------------

Select Thickness (Secondary)	ESC)snB	1B 29 73 n 42	27 41 115 n 66
---------------------------------	----------	---------------	----------------

Typeface:

Select Font Typeface (Primary)	ESC)snT	1B 28 73 n 54	27 40 115 n 84
-----------------------------------	----------	---------------	----------------

Select Font Typeface (Secondary)	ESC (snT	1B 29 73 n 54	27 41 115 n 84
-------------------------------------	----------	---------------	----------------

Font Pitch:

Select Print Pitch	ESC &knS	1B 26 6B n 53	27 38 107 n 83
Default Primary Font	ESC (n@	1B 28 n 40	27 40 n 64
Default Sec'dary Font	ESC)n@	1B 29 n 40	27 41 n 64

Underline:

Enable Auto- Underlining	ESC &dnD	1B 26 64 n 44	27 38 100 n 68
-----------------------------	----------	---------------	----------------

Disable Auto- Underlining	ESC &d@	1B 26 64 40	27 38 100 64
------------------------------	---------	-------------	--------------

Font Management:

Specify Font ID	ESC *cnD	1B 2A 63 n 44	27 42 99 n 68
Font and Character Control	ESC *cnF	1B 2A 63 n 46	27 42 99 n 70

Font Selection by ID Number:

Designate Download Font as Primary	ESC (nX	1B 28 n 58	27 40 n 88
Designate Download Font as Secondary	ESC)nX	1B 29 n 58	27 41 n 88
Soft Font Creation:			
Download Character	ESC (snW [DATA]	1B 28 73 n 57	27 40 115 n 87
Download Font (Font Descriptor)	ESC)snW [DATA]	1B 29 73 n 57	27 41 115 n 87
Specify Character Code	ESC *cnE	1B 2A 63 n 45	27 42 99 n 69
Graphics Control:			
Raster Graphics:			
Raster Graphics Resolution	ESC *tnR	1B 2A 74 n 52	27 42 116 n 82
Start Raster Graphics	ESC *rnA	1B 2A 72 n 41	27 42 114 n 65
Transfer Raster Graphics	ESC *bnW [DATA]	1B 2A 62 n 57	27 42 98 n 87
End Raster Graphics	ESC *rB	1B 2A 72 42	27 42 114 66
Raster Graphics Presentation Mode	ESC *rnF	1B 2A 72 n 46	27 42 114 n 70
Set Compression Mode	ESC *bnM	1B 2A 62 n 4D	27 42 98 n 77
Long edge Offset Registration	ESC &InU	1B26 62 n 55	27 38 108 n 85
Short-edge Offset Registration	ESC &InZ	1B 26 6C n 5A	27 38 108 n 90
Duplex Page Side Selection	ESC &InZ	1B 26 61 n 47	27 38 97 n 71
Rectangle Dimensions:			
Horizontal Rule/ Pattern Size (Dots)	ESC *cnA	1B 2A 63 n 41	27 42 99 n 65
Horizontal Rule/ Patter Size (Deci- points)	ESC *cnH	1B 2A 63 n 48	27 42 99 n 72
Vertical Rule/Pattern Size (Dots)	ESC *cnB	1B 2A 63 n 42	27 42 99 n 66

Vertical Rule/Pattern Size (Decipoints) ESC *cnV 1B 2A 63 n 56 27 42 99 n 86

Rectangular Area Fill:

Print Rule/Pattern ESC *cnP 1B 2A 63 n 50 27 42 99 n 80

Pattern ID ESC *cnG 1B 2A 63 n 47 27 42 99 n 71

Macro ID and Control:

Macro ID ESC &fnY 1B 26 66 n 59 27 38 102 n 89

Macro Control ESC &fnX 1B 26 66 n 58 27 38 102 n 88

Other Control:

Enter Display Functions Mode ESC Y 1B 59 27 89

Exit Display Functions Mode ESC Z 1B 5A 27 90

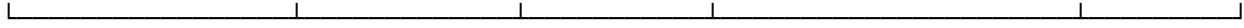
Transparent Print Data ESC &pnX [DATA] 1B 26 70 n 58 27 38 112 n 88

Wrap Around Mode ESC &snC 1B 26 73 n 43 27 38 115 n 67

Set Emulation ESC FSn 1B 1C n 27 28 n

Reset/Initialization:

	POWER OFF/ON	RESET KEY	RESET COMMAND	EMULATION CHANGE COMMAND
Data in Buffer	Clear	Clear	The Reset command prints any partial pages of data received	Clear
Download/Macro (Permanent Only)	Clear	Does not clear	Does not clear	Clear
Function Menu Items "Data Buffer" "Over Load" "Interface"	Front panel configuration	Does not change	Does not change	Does not change
Function Menu item "Emulation"	Front panel configuration	Front Panel configuration	Does not Change	Does not change
Other Function Menu	Front panel configuration	Front Panel configuration	Front panel configuration	Does not change



(dtc-08/06/93)