

IGNORED OR UNDEFINED CODES

Codes that are unusable or undefined in a given print mode are either ignored or printed with the symbol X which represents an invalid code.

There are several reasons why a code may be unusable in a certain mode. Redundant codes that don't change the current Printer status are usually ignored. For example, if the Printer is in DP mode, sending many ASCII control codes in the range 0 to 31 that the DMP-430 simply doesn't recognize. ASCII 0, for example, is not used in any of the three print modes.

The following table summarizes the undefined print codes:

IGNORED CONTROL CODES

ALL MODES:

- \* Out of range on repeat sequence.
- \* Out of range on POS sequence.
- \* Redundant codes that don't change the current Printer status. For example, if you send a CHR\$(15) when underline is already set.

DP MODE: 0,1,19,30,127,255

WP MODE: 0,1,20,127,255,27 54

GRAPHICS MODE: All codes in the range 0-127 are ignored, except (10), (12), (13), (30), (27 14), (27 15), (27 21), (27 22), (27 33), (27 50), (27 57), (27 16 n1 n2), (27 64 n), and (28 n1 n2). Unprintable repeat sequence data n2 is also ignored.

CODES PRINTED AS X

DP AND WP MODES:

- \* All codes from 0-31 and 128-159, except the active function codes or the above ignored codes.
- \* Unprintable repeat data n2.
- \* In proportional or correspondence font mode, 224-254 are printed as X.

CODE DEC. HEX.	DP MODE	WP MODE	GRAPHICS MODE	REMARKS
00 00 01 01	Ignored	Ignored	Ignored	
08 08 n n	Backspace (n=Binary) n;Backspaced dot number	Backspace (n=Binary) n;Backspaced dot number	Ignored Receives n as character data	***
10 0A or 138 08	Executive Line Feed (Executive LF in accordance with information latched)	Full Line Feed (Executive)	11/108" Line Feed (Executive)..... 8A hex. 138 dec.	*LF/NL,1/6", 1/8" selectable ***
12 0C	Form Feed	Form Feed	Form Feed	LF/NL,11/12" selectable

13 0D or 141 8D	Carriage Return (When NL,LF pitch is latched one)	Carriage Return (When NL,LF pitch is 1/6" (1/8")per line.)	Carriage Return only 0D Hex. (When NL,LF pitch is 7/72" per line)	NL/CR selectable
14 0E	End Underline	End Underline	Ignored	
15 0F	Start Underline	Start Underline	Ignored	
18 12	Select Graphics Mode	Select Graphics Mode	Ignored	
19 13	Ignored	Select DP Mode	Ignored	
20 14	Select WP Mode	Ignored	Ignored	
27 01 - 09	Proportional Spacing (2nd byte is dot column #)	Proportional Spacing (2nd byte is dot column #)	Ignored	***
27 1B 14 0E	Start Elongation	Start Elongation	Start Elongation	Exchangeable for another code
27 1B 15 0F	End Elongation	End Elongation	End Elongation	Exchangeable for another code
27 1B 16 10 n1 n1 n2 n2	Positioning (3 pitches are avail- able) (n1,n2 indi- cate dot position from Home pos.)	Positioning (3 pitches are avail- able) (n1,n2 indi- cate dot position from Home pos.)	Positioning (3 pitches are avail- able) (n1,n2 indi- cate dot position from Home pos.)	n1,n2: Binary value ***
27 1B 17 11	Select Proportio- al Character	Select Proportio- al Character	Ignored	
27 1B 18 12	Select Correspondence Character	Select Correspondence Character	Ignored	
27 1B 19 13	Select Standard Character	Select Standard Character	Ignored	Exchangeable for another code
27 1B 20 14	Select Condensed Character	Select Condensed Character	Ignored	Exchangeable for another code
27 1B 21 15	Select CR Only (CR=CR)	Select CR Only (CR=CR)	Select CR Only (CR=CR)	
27 1B 22 16	Select NL (CR=CR+LF)	Select NL (CR=CR+LF)	Select NL (CR=CR+LF)	
27 1B	Select Compressed	Select Compressed	Ignored	

23 17	Character	Character		
27 1B 28 1C	Set Half Forward Line Feed (No Motion)	*Half Forward Line Feed (Executive)	Ignored	
27 1B 29 1D	Select Compressed Correspondence Quality Character	Select Compressed Correspondence Quality Character	Ignored	
27 1B 30 1E	Set Half Reverse Line Feed (No motion)	*Half Reverse Line Feed (Executive)	Ignored	
27 1B 31 1F	Start Bold	Start Bold	Ignored	
27 1B 32 20	End Bold	End Bold	Ignored	
27 1B 33 21	Return to IBM Mode	Return to IBM Mode	Return to IBM Mode	
27 1B 47 2F	Select Compressed Proportional Character	Select Compressed Proportional Character	Ignored	
27 1B 50 32	1/72" Forward Line Feed (Executive)	1/72" Forward Line Feed (Executive)	1/72" Forward Line Feed (Executive)	
27 1B 52 34 n n	Form Feed Set	Form Feed Set	Form Feed Set	
27 1B 54 36	Set Full Forward Line Feed (No motion)	Ignored	Ignored	
27 1B 56 38	Set 3/4 Forward Line Feed (No motion)	*Set 3/4 Forward Line Feed (Executive)	Ignored	
27 1B 57 39	1/144" Forward Line Feed (Executive)	1/144" Forward Line Feed (Executive)	1/144" Forward Line Feed (Executive)	
27 1B 66 42 0 0	End Italic Character	End Italic Character	Ignored	
27 1B 66 42 1 1	Select Italic Character	Select Italic Character	Ignored	
27 1B 64 40	n/144" Forward Line Feed (No	n/144" Forward Line Feed	n/144" Forward Line Feed	

	motion	(Executive)	(Executive)	
27 1B 72 48 n n	Set Perforation Skip (n x 1/6")	Set Perforation Skip (n x 1/6")	Ignored	
27 1B 73 49 n1 n1 n2 n2	Select High- Resolution Graphics	Select High- Resolution Graphics	Ignored	
27 1B 77 4D	Select Microfont	Select Microfont	Ignored	
27 1B 81 51 n n	Set Left Margin	Set Left Margin	Ignored	
27 1B 82 52 n n	Set Right Margin	Set Right Margin	Ignored	
27 1B 83 53 0 0	Select Superscript Character	Select Superscript Character	Ignored	
27 1B 83 53 1 1	Select Subscript Character	Select Subscript Character	Ignored	
27 1B 85 55 00 00	Select Bidirectional Printing	Select Bidirectional Printing	Ignored	
27 1B 87 57	Select Double- Height Character	Select Double- Height Character	Ignored	
27 1B 88 58	End Super/Sub- script character	End Super/Sub- script character	Ignored	
28 1C n1 n1 n2 n2	Repeat Print Data (Undefined Code is changed to X)	Repeat Print Data (Undefined Code is changed to X)	Repeat Print Data (If MSB=0,Data is ignored.)	
127 7F	Ignored	Ignored	Ignored	
255 FF	Ignored	Ignored	(Printing Data)	
Other Codes in Function Area (02 to 1F hex)	Prints "X" marks	Prints "X" marks	Ignored	
Other Codes in Function	Prints "X" marks	Prints "X" marks	(Printing Data)	

Area (80 to 9F hex)			
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NOTE:\* If DIP switch 1-8 is set to ON, one line feed operation is performed at the same time.

\*\*\* These codes may not be able to send to the printer by your computer. In this case, use system command to send them.

#### IBM CONTROL CODES

DEC.	HEX.	ASCII	FUNCTION
00	00	NULL	Terminator
07	07	BELL	Sounds buzzer
08	08	BS	Backspace
09	09	HT	Horizontal Tab
10	0A	LF	Line Feed
11	0B	VT	Vertical Tab (Same as Line Feed)
12	0C	FF	Form Feed
13	0D	CR	Carriage Return
14	0E	SO	Double-Width Printing
15	0F	SI	Select Compressed Mode
18	12	DC2	Stop Compressed Mode
20	14	DC4	Stop Double-Width Mode
24	18	CAN	Clear Printer Buffer
27+14	1B+0E	ESC+SO	Double-Width Printing (Same as SO)
27+15	1B+0F	ESC+SI	Select Compressed Mode (Same as SO)
27+33	1B+21	ESC+!	Return to Tandy Mode
27+45+0	1B+2D+00	ESC+ - +NULL	Cancel Underline
27+45+1	1B+2D+01	ESC+ - +SOH	Set Underline
27+48	1B+30	ESC+0	1/8" Line Feed Set
27+49	1B+31	ESC+1	7/72" Line Feed Set
27+50	1B+32	ESC+2	ESC A Execution
27+51+n	1B+33+n	ESC+3+n	Variable Line Feed

27+53+00	1B+35+00	ESC+5+NULL	CR Only
27+53+01	1B+35+01	ESC+5+SOH	CR+NL (CR+LF)
27+54	1B+36	ESC+6	Select Character Set 2
27+55	1B+37	ESC+7	Select Character Set 1
27+56	1B+38	ESC+8	Ignores Paper End
27+57	1B+39	ESC+9	Cancel Ignore Paper End
27+58	1B+3A	ESC+:	Select 12 CPI
27+60	1B+3C	ESC+<	Home Head
27+65+n	1B+41+n	ESC+A+n	Set Variable Line Feed
27+67+n	1B+43+n	ESC+C+n	Set Lines Per Page
27+67+0+m	1B+43+00+m	ESC+C+NULL+m	Set Inches Per Page
27+68+n1+ ...+00	1B+44+n1+ ...+00	ESC+D+n1+ ...+NULL	Set Horizontal Tab Stops
27+69	1B+45	ESC+E	Set Emphasized Mode
27+70	1B+46	ESC+F	Cancel Emphasized Mode
27+71	1B+47	ESC+G	Set Double-Strike Mode
27+72	1B+48	ESC+H	Cancel Double-Strike Mode
27+73+01	1B+49+01	ESC+I+SOH	Select High-Speed Character
27+73+02	1B+49+02	ESC+I+STX	Select Letter-Quality Character
27+73+03	1B+49+03	ESC+I+ETX	Select Letter-Quality Character
27+74+n	1B+4A+n	ESC+J=n	Variable Line Feed Execution
27+75+n1+n2	1B+4B+n1+n2	ESC+K+n1+n2	60 DPI Bit Image Mode
27+76+n1+n2	1B+4C+n1+n2	ESC+L+n1+n2	120 DPI Bit Image Mode
27+78+n	1B+4E+n	ESC+N+n	Set Skip Perforation
27+79	1B+4F	ESC+O	Cancel Skip Perforation
27+80+00	1B+50+0	ESC+P+NULL	Proportional Spacing OFF
27+80+01	1B+50+1	ESC+P+SOH	Proportional Spacing ON
27+82	1B+52	ESC+R	Reset All Tabs
27+83+00	1B+53+00	ESC+S+NULL	Set Superscript Mode

27+83+01	1B+53+01	ESC+S+SOH	Set Subscript Mode
27+84	1B+54	ESC+T	Cancel Super/Subscript Mode
27+85+00	1B+55+00	ESC+U+NULL	Cancel Unidirectional Printing
27+85+01	1B+55+01	ESC+U+SOH	Set Unidirectional Printing
27+87+00	1B+57+00	ESC+W+NULL	Cancel Double-Width Printing
27+87+01	1B+57+01	ESC+W+SOH	Start Double-Width Printing
27+89+n1+n2	1B+50+n1+n2	ESC+Y+n1+n2	120 DPI Bit Image Mode in Normal Speed
27+90+n1+n2	1B+5A+n1+n2	ESC+Z+n1+n2	240 Bit Image Mode
27+93	1B+5D	ESC+]	Reverse Line Feed
27+94+n	1B+5E+n	ESC+ ^ +n	Prints Characters Below 20 Hex

Other codes in Function Area (01 to 1F and 7F hex) Ignored

(dte-07/27/93)