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# ImageWriter II

## Quick Reference Card

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### Control Codes and Escape Sequences

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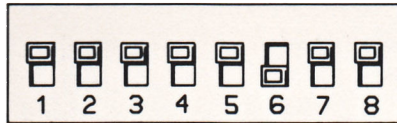
Function	Keystrokes	Code	Comment
<b>Type Size</b>			
Extended	ESCAPE n	27 110	9 characters per inch
Pica	ESCAPE N	27 78	10 characters per inch
Elite	ESCAPE E	27 69	12 characters per inch
Pica proportional	ESCAPE p	27 112	
Elite proportional	ESCAPE P	27 80	
Semicondensed	ESCAPE e	27 101	13.4 characters per inch
Condensed	ESCAPE q	27 113	15 characters per inch
Ultracondensed	ESCAPE Q	27 81	17 characters per inch
Set n dots	ESCAPE _n	27 d	Between proportional characters (n = 1 to 6)
Set spacing to n dots	ESCAPE s_n	27 115 d	Between proportional characters (n = 0 to 9)
<b>Print Formatting</b>			
Underline begin	ESCAPE X	27 88	
Underline end	ESCAPE Y	27 89	
Boldface begin	ESCAPE !	27 33	
Boldface end	ESCAPE "	27 34	
Headline begin	CONTROL-N	14	
Headline end	CONTROL-O	15	
Superscript begin	ESCAPE x	27 120	
Superscript end	ESCAPE z	27 122	
Subscript begin	ESCAPE y	27 121	
Subscript end	ESCAPE z	27 122	
Half-high begin	ESCAPE w	27 119	
Half-high end	ESCAPE W	27 87	
Slashed zero begin	ESCAPE D	27 68 0 1	
	CONTROL-@ CONTROL-A		
Slashed zero end	ESCAPE Z	27 90 0 1	
	CONTROL-@ CONTROL-A		
Repeat character	ESCAPE R nnn c	27 82 ddd d	Print character c nnn times

Function	Keystrokes	Code	Comment
<b>Character Sets</b>			
96 ASCII characters	ESCAPE \$	27 36	
MouseText characters	ESCAPE &	27 38	
<b>International Language Fonts</b>			
American	ESCAPE Z CONTROL-G CONTROL-@	27 90 7 0	
British	ESCAPE Z CONTROL-D CONTROL-@ ESCAPE D CONTROL-C CONTROL-@	27 90 4 0 27 68 3 0	
German	ESCAPE Z CONTROL-C CONTROL-@ ESCAPE D CONTROL-D CONTROL-@	27 90 3 0 27 68 4 0	
French	ESCAPE Z CONTROL-A CONTROL-@ ESCAPE D CONTROL-F CONTROL-@	27 90 1 0 27 68 6 0	
Swedish	ESCAPE Z CONTROL-B CONTROL-@ ESCAPE D CONTROL-E CONTROL-@	27 90 2 0 27 68 5 0	
Italian	ESCAPE Z CONTROL-F CONTROL-@ ESCAPE D CONTROL-A CONTROL-@	27 90 6 0 27 68 1 0	
Spanish	ESCAPE D CONTROL-G CONTROL-@	27 68 7 0	
Danish	ESCAPE Z CONTROL-E CONTROL-@ ESCAPE D CONTROL-B CONTROL-@	27 90 5 0 27 68 2 0	
<b>Fonts</b>			
Draft	ESCAPE a 1	27 97 49	
Standard	ESCAPE a 0	27 97 48	
Near Letter Quality	ESCAPE a 2	27 97 50	
<b>Colors</b>			
Black	ESCAPE K 0	27 75 48	
Yellow	ESCAPE K 1	27 75 49	
Red	ESCAPE K 2	27 75 50	
Blue	ESCAPE K 3	27 75 51	
Orange	ESCAPE K 4	27 75 52	
Green	ESCAPE K 5	27 75 53	
Purple	ESCAPE K 6	27 75 54	

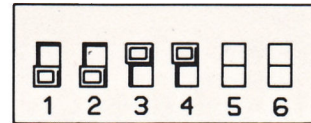
Function	Keystrokes	Code	Comment
<b>Printer Direction</b>			
Left to right only	ESCAPE >	27 62	
Bidirectional	ESCAPE <	27 60	
Backspace and print	CONTROL-H c	8 d	Backspace and print character c
<b>Positioning</b>			
Feed to top of form	CONTROL-L	12	
Set top of form	ESCAPE v	27 118	
Set left margin	ESCAPE L nnn	27 76 ddd	nnn = character position
<b>Lines per Inch</b>			
6 lines per inch	ESCAPE A	27 65	
8 lines per inch	ESCAPE B	27 66	
Distance between lines	ESCAPE T nn	27 84 dd	nn/144 (nn = 01 to 99)
Set form length	ESCAPE H nnnn	27 72 dddd	In increments of nnnn/144
<b>End of Line</b>			
End of line at carriage return only	ESCAPE Z @ CONTROL-@	27 90 64 0	
End of line at carriage return or form feed	ESCAPE D @ CONTROL-@	27 68 64 0	
<b>Line Feeds</b>			
No carriage return before line feed	ESCAPE l 1	27 108 49	
Add carriage return before line feed	ESCAPE l 0	27 108 48	
Forward line feed	ESCAPE f	27 102	
Reverse line feed	ESCAPE r	27 114	
Feed n lines	CONTROL- _ n	31 d	n = 1, 2, 3, 4, 5, 6, 7, 8, 9
<b>Buffer Controls</b>			
Cancel unprinted text	CONTROL-X	24	
No line feed at buffer	ESCAPE Z _ CONTROL-@	27 90 32 0	Overflow (_ = space character)
Line feed added at buffer	ESCAPE D _ CONTROL-@	27 68 32 0	Overflow (_ = space character)
<b>Tabbing Controls</b>			
Set horizontal tabs	ESCAPE ( a, b, n, ... , .	27 40, n, n, n, ... , 46	abn = column number through nth column
Set one additional tab	ESCAPE u n	27 117 n	
Clear selected tabs	ESCAPE ) a, b, n, ... , .	27 41, n, n, n, ... , 46	abn = column number through nth column
Clear all horizontal tabs	ESCAPE 0	27 48	

Function	Keystrokes	Code	Comment
<b>Down-Loading Characters</b>			
Select down-load characters	ESCAPE '	27 39	Normal ASCII down-loaded characters
Select down-load characters	ESCAPE *	27 42	High ASCII down-loaded characters
Select ROM character set	ESCAPE \$	27 36	
16-column maximum width characters	ESCAPE +	27 43	
8-column maximum width characters	ESCAPE -	27 45	
Begin down load	ESCAPE I	27 73	
End down load	CONTROL-D	4	
<b>Bit Image Graphics</b>			
Print next nnnn bytes as bit image graphics	ESCAPE G nnnn	27 71 dddd	nnnn = number of bytes
Print next nnn × 8 bytes as bit image graphics	ESCAPE g nnn	27 103 ddd	
Repeat dot pattern nnnn times	ESCAPE V nnnn	27 86 dddd	1 byte pattern
Begin printing at dot position nnnn	ESCAPE F nnnn	27 70 dddd	
<b>Miscellaneous</b>			
Ignore 8th bit	ESCAPE D CONTROL-@_	27 68 0 32	Default (_ = space character)
Recognize 8th bit	ESCAPE Z CONTROL-@_	27 90 0 32	(_ = space character)
Paper error detector off	ESCAPE O	27 79	
Paper error detector on	ESCAPE o	27 111	Default
Software reset power on defaults	ESCAPE c	27 99	Restore power on defaults
Self ID	ESCAPE ?	27 63	

## DIP Switch Settings



SW1



SW2

Open ↑  
↓ Closed

	<b>SW1-1</b>	<b>SW1-2</b>	<b>SW1-3</b>
American	Open	Open	Open
Italian	Closed	Open	Open
Danish	Open	Closed	Open
British	Closed	Closed	Open
German	Open	Open	Closed
Swedish	Closed	Open	Closed
French	Open	Closed	Closed
Spanish	Closed	Closed	Closed
		<b>SW1-4</b>	
Form length 11 inches		Open	
Form length 12 inches		Closed	
		<b>SW1-5</b>	
Perforation skip inactive		Open	
Perforation skip active		Closed	
		<b>SW1-6</b>	<b>SW1-7</b>
10 characters per inch		Open	Open
12 characters per inch		Closed	Open
17 characters per inch		Open	Closed
160 dots per inch (proportional)		Closed	Closed
		<b>SW1-8</b>	
Carriage return only		Open	
Carriage return plus line feed		Closed	
		<b>SW2-1</b>	<b>SW2-2</b>
300 baud		Open	Open
1200		Closed	Open
2400		Open	Closed
9600		Closed	Closed
		<b>SW2-3</b>	
Hardware Handshake Protocol		Open	
XON/XOFF Protocol		Closed	
		<b>SW2-4</b>	
Option disabled (no option card)		Open	
Option enabled		Closed	

**▲ Warning**

Do not adjust DIP switches SW2-5 and SW2-6.  
They are factory set to control hammer-fire timing.

## Notes

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