

## HP Escape Sequences (home = 0,0)

Sequence	Description	Term0	Integral PC	The Portable Windows 9000
Esc 1	Set tab stop at cursor		x	x
Esc 2	Clear tab stop at cursor		x	x
Esc 3	Clear all tab stops		x	x
Esc 4	Set left margin at cursor		x	x
Esc 5	Set right margin at cursor		x	x
Esc 9	Clear margins		x	x
Esc A	Cursor up	x	x	x
Esc B	Cursor down	x	x	x
Esc C	Cursor right	x	x	x
Esc D	Cursor left	x	x	x
Esc F	Cursor home down	x	x	x
Esc H	Cursor home up (same as ESC h)	x	x	x
Esc I	Tab	x	x	x
Esc J	Clear display	x	x	x
Esc K	Clear line	x	x	x
Esc L	Insert line	x	x	x
Esc M	Delete line	x	x	x
Esc P	Delete character	x	x	x
Esc Q	Insert character mode on	x	x	x
Esc R	Insert character mode off	x	x	x
Esc S	Roll up	x	x	x
Esc T	Roll down	x	x	x
Esc U	Next page	x	x	x
Esc V	Previous page	x	x	x
Esc Y	Display functions on	x	x	x
Esc Z	Display functions off	x	x	x
Esc ^	Primary terminal status	x	x	x
Esc ~	Secondary terminal status		x	
ESC '	Sense cursor position (relative)	x	x	x
Esc a	Sense cursor position (absolute)	x	x	x
Esc b	Enable keyboard		x	x
Esc c	Disable keyboard		x	x
Esc d	Enter line	x	x	x
Esc h	Cursor Home up (same as ESC H)	x	x	x
Esc i	Back tab	x	x	x
Esc *dQ	Cursor on	x	x	x
Esc *dR	Cursor off	x	x	x
Esc *s^	Send terminal ID	x	x	x

Sequence	Description	Term0	Integral PC	The Portable Windows 9000
Esc p	Softkey 1 default value	x	x	x
Esc q	Softkey 2 default value	x	x	x
Esc r	Softkey 3 default value	x	x	x
Esc s	Softkey 4 default value	x	x	x
Esc t	Softkey 5 default value	x	x	x
Esc u	Softkey 6 default value	x	x	x
Esc v	Softkey 7 default value	x	x	x
Esc w	Softkey 8 default value	x	x	x
Esc &anxY	Screen Relative cursor addressing	x	x	x
Esc &ancnR	Absolute cursor addressing ( <u>column</u> , <u>row</u> )	x	x	x
Esc &a±nc±nR	Cursor relative addressing ( <u>column</u> , <u>row</u> )	x	x	x
Esc &d@	Turn off attributes	x	x	x
Esc &dA	Blinking	x	•	‡
Esc &dB	Inverse video	x	x	x
Esc &dC	Blinking and inverse video	x	•	‡
Esc &dD	Underline	x	x	x
Esc &dE	Blinking and underline	x	•	‡
Esc &dF	Inverse video and underline	x	x	‡
Esc &dG	Blinking, inverse video, and underline	x	•	‡
Esc &dH	Half-bright	x	•	‡
Esc &dI	Blinking and half-bright	x	•	‡
Esc &dJ	Inverse video and half-bright	x	•	‡
Esc &dK	Blinking, inverse, and half-bright	x	•	‡
Esc &dL	Underline and half-bright	x	•	‡
Esc &dM	Blinking, underline, and half- bright	x	•	‡
Esc &dN	Inverse, underline, and half-bright	x	•	‡
Esc &dO	Blinking, inverse, underline, half-bright	x	•	‡
Esc &fnknDlabel	Define softkey <i>nk</i> ( $n=1\dots 16$ )	x	x	x
Esc &fnE	Invoke softkey <i>n</i> ( $n=1$ : Return, $n=0$ : Enter)		x	x
Esc &j@	Turn off menu	x	x	x
Esc &jA	Turn on system menu		x	x
Esc &jB	Turn on application menu	x	x	x
Esc &knO	Keycode mode ( $n=0$ : off, $n=1$ : on)			x
Esc &knP	Caps mode ( $n=0$ : disable, $n=1$ : enable)	x	x	x
Esc &kn\	Change mode ( $n=0$ : HP, $n=1$ : ANSI)	x	x	x
Esc &rndnlnrnU	Roll by <i>n</i> ( <u>down</u> , <u>left</u> , <u>right</u> , <u>up</u> )		x	x
Esc &snA	Strap A: $n=0$ : local, $n=1$ : transmit keys	x	x	x
Esc &snC	Strap C: $n=0$ : allow $n=1$ : inhibit word wrap	x	x	x
Esc ( <u>n</u> A	Change base font to font having ID <i>n</i>		x	x
Esc ) <u>n</u> A	Change alternate font to font having ID <i>n</i>		x	x

## Control Codes (char – 64)

Sequence	Hex	Description	Term0	Integral PC	The Portable	Windows 9000
^@	0x00	Null	x	x	x	x
^A	0x01	(no terminal function)	x	x	x	x
^B	0x02	(no terminal function)	x	x	x	x
^C	0x03	(no terminal function)	x	x	x	x
^D	0x04	(no terminal function)	x	x	x	x
^E	0x05	(no terminal function)	x	x	x	x
^F	0x06	(no terminal function)	x	x	x	x
^G	0x07	Ring Bell	x	x	x	x
^H	0x08	Backspace	x	x	x	x
^I	0x09	Tab	x	x	x	x
^J	0x0A	Linefeed	x	x	x	x
^K	0x0B	(no terminal function)	x	x	x	x
^L	0x0C	(no terminal function)	x	x	x	x
^M	0x0D	Carriage Return	x	x	x	x
^N	0x0E	Select alternate character set	x	x		x
^O	0x0F	Select base character set	x	x		x
^P	0x10	(no terminal function)	x	x	x	x
^Q	0x11	Resume output	x	x	x	x
^R	0x12	(no terminal function)	x	x	x	x
^S	0x13	Stop output	x	x	x	x
^T	0x14	(no terminal function)	x	x	x	x
^U	0x15	(no terminal function)	x	x	x	x
^V	0x16	(no terminal function)	x	x	x	x
^W	0x17	(no terminal function)	x	x	x	x
^X	0x18	(no terminal function)	x	x	x	x
^Y	0x19	(no terminal function)	x	x	x	x
^Z	0x1A	(no terminal function)	x	x	x	x
^[	0x1B	Escape	x	x	x	x

• The Integral Personal Computer maps bold and half-bright enhancements to inverse video. It also maps blinking to underline.

† The Portable supports screen types 2 (80 by 25, black and white), 3 (80 by 20, color), 4 (graphics mode), and 8 (80 by 16).

‡ Windows 9000 ignores the blinking enhancement and maps half-bright to color pair 3.

## ANSI Escape Sequences (home = 1,1)

Sequence	Description	Term0	Integral PC	The Portable	Windows 9000
Esc <	Enter ANSI mode		x		
Esc [ <u>n</u> Z	Backtab by <i>n</i> columns		x		
Esc [ <u>n</u> ; <u>n</u> R	Cursor position report row, column	x	x	x	
Esc [ <u>n</u> D	Cursor left by <i>n</i> columns	x	x	x	
Esc [ <u>n</u> B	Cursor down by <i>n</i> rows	x	x	x	
Esc [ <u>n</u> C	Cursor right by <i>n</i> columns	x	x	x	
Esc [ <u>n</u> ; <u>n</u> H	Position cursor at row, column	x	x	x	
Esc [ <u>n</u> A	Cursor up by <i>n</i> rows	x	x	x	
Esc [ <u>n</u> P	Delete <i>n</i> characters	x	x	x	
Esc [ <u>n</u> M	Delete <i>n</i> lines	x	x	x	
Esc [ <i>n</i>	Request cursor position	x	x	x	
Esc [ <u>n</u> J	Clear display ( <i>n</i> =0: all, <i>n</i> =1: to cursor, <i>n</i> =2: all+home)	x	x	x	
Esc [ <u>n</u> K	Clear line ( <i>n</i> =0: right, <i>n</i> =1: left, <i>n</i> =2: row+col 1)	x	x	x	
Esc [ <u>n</u> ; <u>n</u> f	Cursor position at row, column	x	x	x	
Esc [ <u>n</u> L	Insert <i>n</i> lines above cursor	x	x	x	
Esc [4h	Insert character mode on	x	x	x	
Esc [4l	Insert character mode off	x	x	x	
Esc [= <u>n</u> h	Select screen type			x†	
Esc [=7h	Wrap at end of line	x	x	x	
Esc [?7h	Wrap at end of line	x	x	x	
Esc [= <u>n</u> l	Deactivate screen type			x†	
Esc [=7l	Reset wrap at end of line	x	x	x	
Esc [?7l	Reset wrap at end of line	x	x	x	
Esc [ <u>n</u> U	Advance by <i>n</i> pages	x	x	x	
Esc [ <u>n</u> V	Back by <i>n</i> pages	x	x	x	
Esc [ <i>u</i>	Restore cursor position	x	x	x	
Esc [ <i>s</i>	Save cursor position	x	x	x	
Esc [ <u>n</u> @	Roll left		x		
Esc [ <u>n</u> A	Roll right		x		
Esc [ <u>n</u> S	Roll up		x		
Esc [ <u>n</u> T	Roll down		x		
Esc [0m	Turn off attributes	x	x	x	
Esc [1m	Bold on	x	x	x	
Esc [4m	Underline on	x	x		
Esc [5m	Blink on	x	•	x	
Esc [7m	Inverse video on	x	x	x	
Esc [10m	Load base font	x	x	x	
Esc [11m	Load alternate font	x	x	x	
Esc [12m	Load third font			x	