

ASCII Character Set

Some commands described in this publication, such as the **terminal escape-character** EXEC command, require the decimal representation of an ASCII character.

Table A-1 provides code translations from ASCII characters to the decimal numbers. For example, the ASCII carriage return (CR) is decimal character 13. Pressing Ctrl-M at your terminal generates decimal character 13, which is interpreted as a CR.

Table A-1 ASCII-to-Decimal Translation Table

Numeric Values		ASCII Character Name	Comment	Keyboard Entry
Decimal	Hex			
0	00	NUL	Null	Ctrl-@
1	01	SOH	Start of heading	Ctrl-A
2	02	STX	Start of text	Ctrl-B
3	03	ETX	Break/end of text	Ctrl-C
4	04	EOT	End of transmission	Ctrl-D
5	05	ENQ	Enquiry	Ctrl-E
6	06	ACK	Positive acknowledgment	Ctrl-F
7	07	BEL	Bell	Ctrl-G
8	08	BS	Backspace	Ctrl-H
9	09	HT	Horizontal tab	Ctrl-I
10	0A	LF	Line feed	Ctrl-J
11	0B	VT	Vertical tab	Ctrl-K
12	0C	FF	Form feed	Ctrl-L
13	0D	CR	Carriage return	Ctrl-M
14	0E	SO	Shift out	Ctrl-N
15	0F	SI	Shift in/XON (resume output)	Ctrl-O
16	10	DLE	Data link escape	Ctrl-P
17	11	DC1	Device control character 1	Ctrl-Q
18	12	DC2	Device control character 2	Ctrl-R
19	13	DC3	Device control character 3	Ctrl-S
20	14	DC4	Device control character 4	Ctrl-T
21	15	NAK	Negative Acknowledgment	Ctrl-U

Numeric Values		ASCII Character Name	Comment	Keyboard Entry
Decimal	Hex			
22	16	SYN	Synchronous idle	Ctrl-V
23	17	ETB	End of transmission block	Ctrl-W
24	18	CAN	Cancel	Ctrl-X
25	19	EM	End of medium	Ctrl-Y
26	1A	SUB	substitute/end of file	Ctrl-Z
27	1B	ESC	Escape	Ctrl-[
28	1C	FS	File separator	Ctrl-\
29	1D	GS	Group separator	Ctrl-]
30	1E	RS	Record separator	Ctrl-^
31	1F	US	Unit separator	Ctrl-_ Space
32	20	SP	Space	Space
33	21			!
34	22			“
35	23			#
36	24			\$
37	25			%
38	26			&
39	27			‘
40	28			(
41	29)
42	2A			*
43	2B			+
44	2C			,
45	2D			-
46	2E			.
47	2F			/
48	30			0
49	31			1
50	32			2
51	33			3
52	34			4
53	35			5
54	36			6
55	37			7
56	38			8
57	39			9
58	3A			:
59	3B			;

Numeric Values		ASCII Character Name	Comment	Keyboard Entry
Decimal	Hex			
60	3C			<
61	3D			=
62	3E			>
63	3F			?
64	40			@
65	41			A
66	42			B
67	43			C
68	44			D
69	45			E
70	46			F
71	47			G
72	48			H
73	49			I
74	4A			J
75	4B			K
76	4C			L
77	4D			M
78	4E			N
79	4F			O
80	50			P
81	51			Q
82	52			R
83	53			S
84	54			T
85	55			U
86	56			V
87	57			W
88	58			X
89	59			Y
90	5A			Z
91	5B			[
92	5C			\
93	5D]
94	5E			^
95	5F			_
96	60			`
97	61			a

Numeric Values		ASCII Character Name	Comment	Keyboard Entry
Decimal	Hex			
98	62			b
99	63			c
100	64			d
101	65			e
102	66			f
103	67			g
104	68			h
105	69			i
106	6A			j
107	6B			k
108	6C			l
109	6D			m
110	6E			n
111	6F			o
112	70			p
113	71			q
114	72			r
115	73			s
116	74			t
117	75			u
118	76			v
119	77			w
120	78			x
121	79			y
122	7A			z
123	7B			{
124	7C			
125	7D			}
126	7E		Tilde	~
127	7F		Delete	Del