

ASCII Character Set

This appendix presents the material in the form of a table, provides ASCII character names and meanings, and clarifies what you enter from the keyboard.

Some commands described in this publication, such as the **escape-character** line configuration command in the “Terminal Line and Modem Support Commands” chapter require that you enter 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 13. This means that pressing Ctrl-M at your terminal generates decimal 13, which is interpreted as a CR.

Table A-1 ASCII Translation Table

Numeric Values		ASCII Character	Meaning	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

Numeric Values		ASCII Character	Meaning	Keyboard Entry
Decimal	Hex			
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
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-_ _
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	Zero	0
49	31	1	One	1
50	32	2	Two	2
51	33	3	Three	3
52	34	4	Four	4
53	35	5	Five	5
54	36	6	Six	6
55	37	7	Seven	7

Numeric Values		ASCII	Meaning	Keyboard Entry
Decimal	Hex	Character		
56	38	8	Eight	8
57	39	9	Nine	9
58	3A	:	:	:
59	3B	;	;	;
60	3C	<	<	<
61	3D	=	=	=
62	3E	>	>	>
63	3F	?	?	?
64	40	@	@	@
65	41	A	A	A
66	42	B	B	B
67	43	C	C	C
68	44	D	D	D
69	45	E	E	E
70	46	F	F	F
71	47	G	G	G
72	48	H	H	H
73	49	I	I	I
74	4A	J	J	J
75	4B	K	K	K
76	4C	L	L	L
77	4D	M	M	M
78	4E	N	N	N
79	4F	O	O	O
80	50	P	P	P
81	51	Q	Q	Q
82	52	R	R	R
83	53	S	S	S
84	54	T	T	T
85	55	U	U	U
86	56	V	V	V
87	57	W	W	W
88	58	X	X	X
89	59	Y	Y	Y
90	5A	Z	Z	Z
91	5B	[[[
92	5C	\	\	\
93	5D]]]

Numeric Values		ASCII Character	Meaning	Keyboard Entry
Decimal	Hex			
94	5E	^	^	^
95	5F	_	_	_
96	60	`	`	`
97	61	a	a	a
98	62	b	b	b
99	63	c	c	c
100	64	d	d	d
101	65	e	e	e
102	66	f	f	f
103	67	g	g	g
104	68	h	h	h
105	69	i	i	i
106	6A	j	j	j
107	6B	k	k	k
108	6C	l	l	l
109	6D	m	m	m
110	6E	n	n	n
111	6F	o	o	o
112	70	p	p	p
113	71	q	q	q
114	72	r	r	r
115	73	s	s	s
116	74	t	t	t
117	75	u	u	u
118	76	v	v	v
119	77	w	w	w
120	78	x	x	x
121	79	y	y	y
122	7A	z	z	z
123	7B	{	{	{
124	7C			
125	7D	}	}	}
126	7E	~	Tilde	~
127	7F	DEL	Delete	Del