

ASCII Character Set

Some commands described in the *Router Products Command Reference* publication, such as the **terminal escape-character** EXEC command in the “User Interface Commands” chapter and 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 D-1 provides code translations from ASCII characters to the decimal numbers. For example, the ASCII carriage return (CR) is decimal 13. This means that entering Ctrl-M at your terminal generates decimal 13, which is interpreted as a CR.

Table D-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
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

Numeric Values		ASCII Character	Meaning	Keyboard Entry
Decimal	Hex			
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		0
49	31	1		1
50	32	2		2
51	33	3		3
52	34	4		4
53	35	5		5
54	36	6		6
55	37	7		7
56	38	8		8
57	39	9		9
58	3A	:		:

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

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