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# ASCII Table 0-127

ASCII table for characters 0-127. ASCII stands for American Standard for Code Information Interchange. Many PC computers and many microcontrollers, including the BASIC Stamp, Propeller, and Arduino, use this code to assign a number to a keyboard function. Some numbers correspond to keyboard actions, such as cursor up, cursor down, space, or delete. Other numbers correspond to printed characters and symbols.

The numbers 32–126 correspond to characters and symbols that can be displayed in the BASIC Stamp Debug Terminal, the Parallax Serial Terminal for the Propeller, the Arduino Serial Monitor, and the Parallax Serial LCDs. This is also a handy reference for sending text strings between wireless devices. Some devices may have different responses to code numbers 0–31, and may also make custom use of characters 128–255 (not shown).

Dec	Hex	Char	Name / Function	Dec	Hex	Char	Dec	Hex	Char	Dec	Hex	Char
0	00	NUL	Null	32	20	space	64	40	@	96	60	`
1	01	SOH	Start Of Heading	33	21	!	65	41	A	97	61	a
2	02	STX	Start Of Text	34	22	"	66	42	B	98	62	b
3	03	ETX	End Of Text	35	23	#	67	43	C	99	63	c
4	04	EOT	End Of Transmit	36	24	\$	68	44	D	100	64	d
5	05	ENQ	Enquiry	37	25	%	69	45	E	101	65	e
6	06	ACK	Acknowledge	38	26	&	70	46	F	102	66	f
7	07	BEL	Bell	39	27	'	71	47	G	103	67	g
8	08	BS	Backspace	40	28	(	72	48	H	104	68	h
9	09	HT	Horizontal Tab	41	29	)	73	49	I	105	69	i
10	0A	LF	Line Feed	42	2A	*	74	4A	J	106	6A	j
11	0B	VT	Vertical Tab	43	2B	+	75	4B	K	107	6B	k
12	0C	FF	Form Feed	44	2C	,	76	4C	L	108	6C	l
13	0D	CR	Carriage Return	45	2D	-	77	4D	M	109	6D	m
14	0E	SO	Shift Out	46	2E	.	78	4E	N	110	6E	n

15	0F	SI	Shift In	47	2F	/	79	4F	O	111	6F	o
16	10	DLE	Data Line Escape	48	30	0	80	50	P	112	70	p
17	11	DC1	Device Control 1	49	31	1	81	51	Q	113	71	q
18	12	DC2	Device Control 2	50	32	2	82	52	R	114	72	r
19	13	DC3	Device Control 3	51	33	3	83	53	S	115	73	s
20	14	DC4	Device Control 4	52	34	4	84	54	T	116	74	t
21	15	NAK	Non Acknowledge	53	35	5	85	55	U	117	75	u
22	16	SYN	Synchronous Idle	54	36	6	86	56	V	118	76	v
23	17	ETB	End Transmit Block	55	37	7	87	57	W	119	77	w
24	18	CAN	Cancel	56	38	8	88	58	X	120	78	x
25	19	EM	End Of Medium	57	39	9	89	59	Y	121	79	y
26	1A	SUB	Substitute	58	3A	:	90	5A	Z	122	7A	z
27	1B	ESC	Escape	59	3B	;	91	5B	[	123	7B	{
28	1C	FS	File Separator	60	3C	<	92	5C	\	124	7C	
29	1D	GS	Group Separator	61	3D	=	93	5D	]	125	7D	}
30	1E	RS	Record Separator	62	3E	>	94	5E	^	126	7E	~
31	1F	US	Unit Separator	63	3F	?	95	5F	_	127	7F	delete

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