

On the Subject of Error Codes

All of a sudden "Blue Screen of Death" takes on a whole new meaning.

- This module contains a screen displaying four 2-digit hexadecimal error codes.
- Only one of the four error codes is necessary to determine the fix code.
- Use **Table 1** to determine which error code to use, labeled 1st, 2nd, 3rd, 4th going left to right.
- Convert the error code from hexadecimal (hex) to decimal (dec) (See **Table 3**).
- Subtract the decimal error code from 101 to get the decimal fix code (for example, if the decimal error code is 48, the decimal fix code would be $101 - 48 = 53$).
- Use **Table 2** to determine which format the fix code must be entered in.
- Enter the full fix code in the proper format then press "Send" (See **Table 3**).
- Note: the fix code must include all appropriate leading zeros from the table: hexadecimal = 2 digits, decimal = 3 digits, octal = 3 digits, and binary = 7 digits.
- **Careful:** There is no backspace!

<DISPLAY>					<input type="radio"/>
0	1	2	3	4	
5	6	7	8	9	
A	B	C	SEND		
D	E	F			

Table 1:

	Number of Batteries is Even (0, 2, 4, 6...)	Number of Batteries is Odd (1, 3, 5, 7...)
Serial Number DOES Contain a Vowel:	1st	2nd
Serial Number DOES NOT Contain a Vowel:	3rd	4th

Table 2:

	Number of Batteries is Even (0, 2, 4, 6...)	Number of Batteries is Odd (1, 3, 5, 7...)
Serial Number DOES Contain a Vowel:	Decimal (Dec)	Octal (Oct)
Serial Number DOES NOT Contain a Vowel:	Hexadecimal (Hex)	Binary

Table 3:

Inp	Dec	Oct	Hex	Binary	Inp	Dec	Oct	Hex	Binary	Inp	Dec	Oct	Hex	Binary
85	000	000	00	0000000	63	034	042	22	0100010	41	068	104	44	1000100
84	001	001	01	0000001	62	035	043	23	0100011	40	069	105	45	1000101
83	002	002	02	0000010	61	036	044	24	0100100	3F	070	106	46	1000110
82	003	003	03	0000011	60	037	045	25	0100101	3E	071	107	47	1000111
81	004	004	04	0000100	5F	038	046	26	0100110	3D	072	110	48	1001000
80	005	005	05	0000101	5E	039	047	27	0100111	3C	073	111	49	1001001
7F	006	006	06	0000110	5D	040	050	28	0101000	3B	074	112	4A	1001010
7E	007	007	07	0000111	5C	041	051	29	0101001	3A	075	113	4B	1001011
7D	008	010	08	0001000	5B	042	052	2A	0101010	39	076	114	4C	1001100
7C	009	011	09	0001001	5A	043	053	2B	0101011	38	077	115	4D	1001101
7B	010	012	0A	0001010	59	044	054	2C	0101100	37	078	116	4E	1001110
7A	011	013	0B	0001011	58	045	055	2D	0101101	36	079	117	4F	1001111
79	012	014	0C	0001100	57	046	056	2E	0101110	35	080	120	50	1010000
78	013	015	0D	0001101	56	047	057	2F	0101111	34	081	121	51	1010001
77	014	016	0E	0001110	55	048	060	30	0110000	33	082	122	52	1010010
76	015	017	0F	0001111	54	049	061	31	0110001	32	083	123	53	1010011
75	016	020	10	0010000	53	050	062	32	0110010	31	084	124	54	1010100
74	017	021	11	0010001	52	051	063	33	0110011	30	085	125	55	1010101
73	018	022	12	0010010	51	052	064	34	0110100	2F	086	126	56	1010110
72	019	023	13	0010011	50	053	065	35	0110101	2E	087	127	57	1010111
71	020	024	14	0010100	4F	054	066	36	0110110	2D	088	130	58	1011000
70	021	025	15	0010101	4E	055	067	37	0110111	2C	089	131	59	1011001
6F	022	026	16	0010110	4D	056	070	38	0111000	2B	090	132	5A	1011010
6E	023	027	17	0010111	4C	057	071	39	0111001	2A	091	133	5B	1011011
6D	024	030	18	0011000	4B	058	072	3A	0111010	29	092	134	5C	1011100
6C	025	031	19	0011001	4A	059	073	3B	0111011	28	093	135	5D	1011101
6B	026	032	1A	0011010	49	060	074	3C	0111100	27	094	136	5E	1011110
6A	027	033	1B	0011011	48	061	075	3D	0111101	26	095	137	5F	1011111
69	028	034	1C	0011100	47	062	076	3E	0111110	25	096	140	60	1100000
68	029	035	1D	0011101	46	063	077	3F	0111111	24	097	141	61	1100001
67	030	036	1E	0011110	45	064	100	40	1000000	23	098	142	62	1100010
66	031	037	1F	0011111	44	065	101	41	1000001	22	099	143	63	1100011
65	032	040	20	0100000	43	066	102	42	1000010	21	100	144	64	1100100
64	033	041	21	0100001	42	067	103	43	1000011	20	101	145	65	1100101