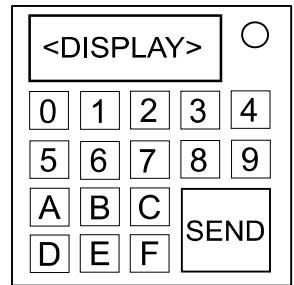


## On the Subject of Error Codes

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!



**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
65	000	000	00	00000000
64	001	001	01	00000001
63	002	002	02	00000010
62	003	003	03	00000011
61	004	004	04	00000100
60	005	005	05	00000101
5F	006	006	06	00000110
5E	007	007	07	00000111
5D	008	010	08	00010000
5C	009	011	09	00010001
5B	010	012	0A	00010100
5A	011	013	0B	00010111
59	012	014	0C	00011000
58	013	015	0D	00011001
57	014	016	0E	00011110
56	015	017	0F	00011111
55	016	020	10	00100000
54	017	021	11	00100001
53	018	022	12	00100100
52	019	023	13	00100111
51	020	024	14	00101000
50	021	025	15	00101011
4F	022	026	16	00101110
4E	023	027	17	00101111
4D	024	030	18	00110000
4C	025	031	19	00110001
4B	026	032	1A	00110100
4A	027	033	1B	00110111
49	028	034	1C	00111000
48	029	035	1D	00111011
47	030	036	1E	00111110
46	031	037	1F	00111111
45	032	040	20	01000000
44	033	041	21	01000001

Inp	Dec	Oct	Hex	Binary
43	034	042	22	0100010
42	035	043	23	0100011
41	036	044	24	0100100
40	037	045	25	0100101
3F	038	046	26	0100110
3E	039	047	27	0100111
3D	040	050	28	0101000
3C	041	051	29	0101001
3B	042	052	2A	0101010
3A	043	053	2B	0101011
39	044	054	2C	0101100
38	045	055	2D	0101101
37	046	056	2E	0101110
36	047	057	2F	0101111
35	048	060	30	0110000
34	049	061	31	0110001
33	050	062	32	0110010
32	051	063	33	0110011
31	052	064	34	0110100
30	053	065	35	0110101
2F	054	066	36	0110110
2E	055	067	37	0110111
2D	056	070	38	0111000
2C	057	071	39	0111001
2B	058	072	3A	0111010
2A	059	073	3B	0111011
29	060	074	3C	0111100
28	061	075	3D	0111101
27	062	076	3E	0111110
26	063	077	3F	0111111
25	064	100	40	10000000
24	065	101	41	10000001
23	066	102	42	10000010
22	067	103	43	10000011

Inp	Dec	Oct	Hex	Binary
21	068	104	44	1000100
20	069	105	45	1000101
1F	070	106	46	1000110
1E	071	107	47	1000111
1D	072	110	48	1001000
1C	073	111	49	1001001
1B	074	112	4A	1001010
1A	075	113	4B	1001011
19	076	114	4C	1001100
18	077	115	4D	1001101
17	078	116	4E	1001110
16	079	117	4F	1001111
15	080	120	50	1010000
14	081	121	51	1010001
13	082	122	52	1010010
12	083	123	53	1010011
11	084	124	54	1010100
10	085	125	55	1010101
OF	086	126	56	1010110
OE	087	127	57	1010111
OD	088	130	58	1011000
OC	089	131	59	1011001
OB	090	132	5A	1011010
OA	091	133	5B	1011011
O9	092	134	5C	1011100
O8	093	135	5D	1011101
O7	094	136	5E	1011110
O6	095	137	5F	1011111
O5	096	140	60	1100000
O4	097	141	61	1100001
O3	098	142	62	1100010
O2	099	143	63	1100011
O1	100	144	64	1100100
O0	101	145	65	1100101