

## On the Subject of Color Generator

*While I wait for you to input, I'll just make myself a sandwich.*

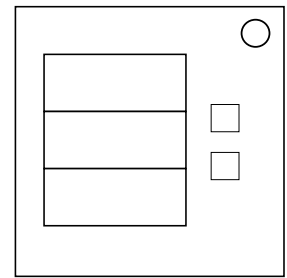
Start with the serial number. Convert every letter to a number, where A = 1, B = 2, etc. Include the numbers as well.

For each result, modulo that number by sixteen.

Group every two numbers together. (1 2 3 4 5 6 = 12 34 56 || 2 4 3 5 1 1 = 24 35 11 || 14 5 6 11 7 8 = 145 611 78). The first pair is the red value, second pair is the green value, and third pair is the blue value.

Take the first number on each pair, multiply it by 16, then add the second number on each pair. (12 = 18 (1\*16 + 2 = 18) || 35 = 53 (3\*16 + 5 = 53))

Input each number by pressing the colored buttons.



|       |
|-------|
| RED   |
| GREEN |
| BLUE  |

MULTIPLY

SUBMIT

The number on the right of the module is the multiplier number. Press the multiplier to add one. If the multiplier number goes past ten, it loops back to one. Once the correct number of button presses has been pressed, submit. Upon a strike, the multiplier resets, and so does the rgb values.