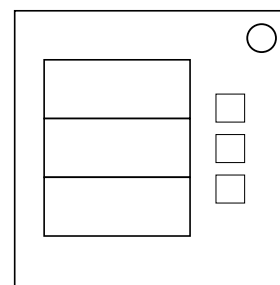# On the Subject of Color Generator

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

- First, take your serial number. Convert every letter to its position in the alphabet (A=1, ..., Z=26).
- If the value of any number is 16 or greater, subtract 16.
- Create pairs with the first two values, then the next two values, then the last two values. (4, 12, 5, 7, 10, 6 = 4/12, 5/7, 10/6)
- The first pair will be submitted onto the red button. The second pair will be submitted onto the green button. The last pair will be submitted onto the blue button.
- Take the first number on each pair and multiply it by 16. Then, add the second number in the pair to this new number.
- Finally, input each number to the buttons and then press submit.
- If you submit an incorrect color, the module state will reset and you will receive a strike.
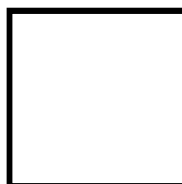
The multiplier value has a default value of 1. When it is clicked, the multiplier cycles from 1 to 10, then 10 to 100, and then 100 back to 1. When you click the colored buttons, you will add either 1, 10, or 100 to the button's value.

RED

GREEN

BLUE

MULTIPLY

RESET

SUBMIT