This Line Level Color Organ was one of my early creations. I brought various circuits together that others designed. I updated it recently and modernized it a bit. The original version flashed neon bulbs instead of LEDs on the front panel. The updated version flashes both, if you wish. The unit responds to 3 frequency bands: high, medium, and low.

At one time, this unit flashed 3 stings of lights on our Christmas tree. It was a bit much.

The metal VU meter scale was replaced with a paper one and illuminated from the back.

When I was younger, the living room was equipped with large speakers and an almost floor to ceiling stereo equipment cabinet on castors. I had lights everywhere!

It’s all gone now and I’ve settled down to listening to music from the computer system. The house doesn’t rock anymore!
Notice the label under the PCB. It helps me find the best position for the board as well as how it relates to other parts.

When I find its final resting place, I adhere it to the cabinet and use it as a drill guide. No guessing nor measuring with this method!

These are Straw Hat LEDs. (The diode is close to the surface.) This is the only type I use to illuminate meters. They have a wide viewing angle which makes them ideal. Round Top LEDs make too much of a spot on the meter.

Not much room leftover in this box!
Just a reminder: Although I did not install them, the board is designed to flash neon bulbs. (I wonder why I installed their resistors?)