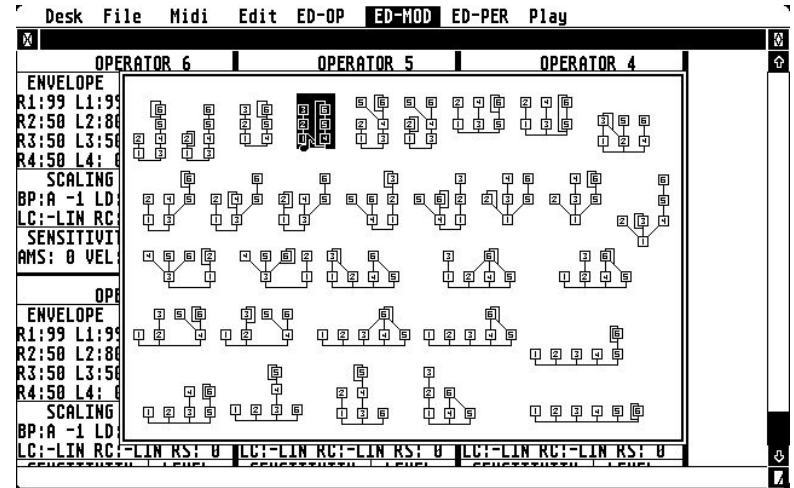
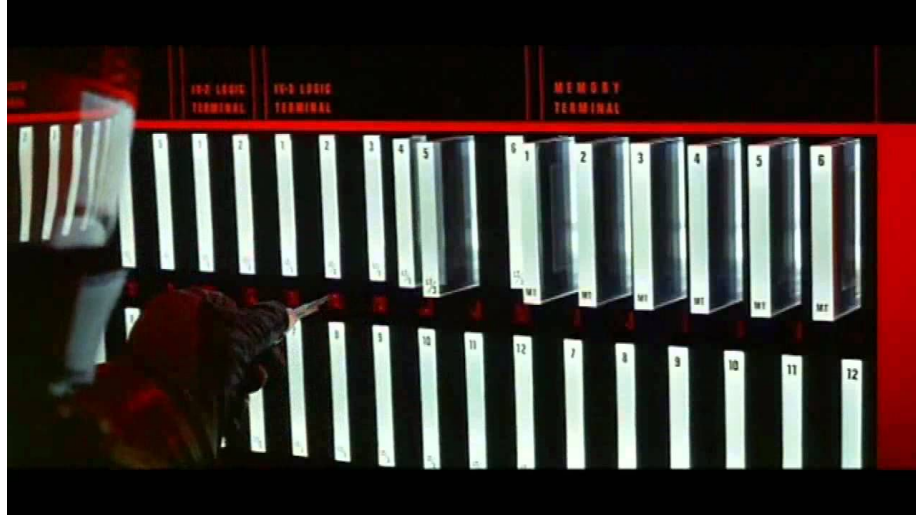


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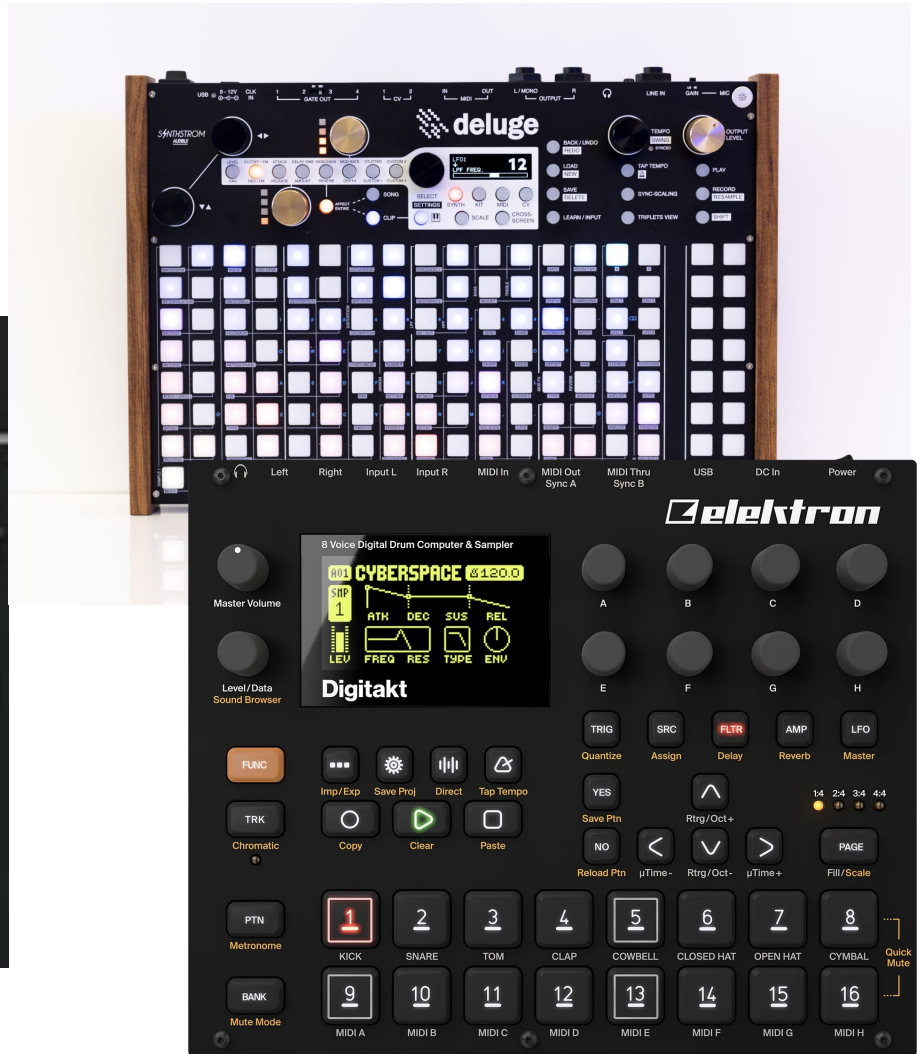
by may

directional inspiration



and my astral goth friends eevee & 3moon

Physical design inspiration



Voder / technicals

- Filtering of a hiss and a buzz
- Keys controlled what frequency bands are let through

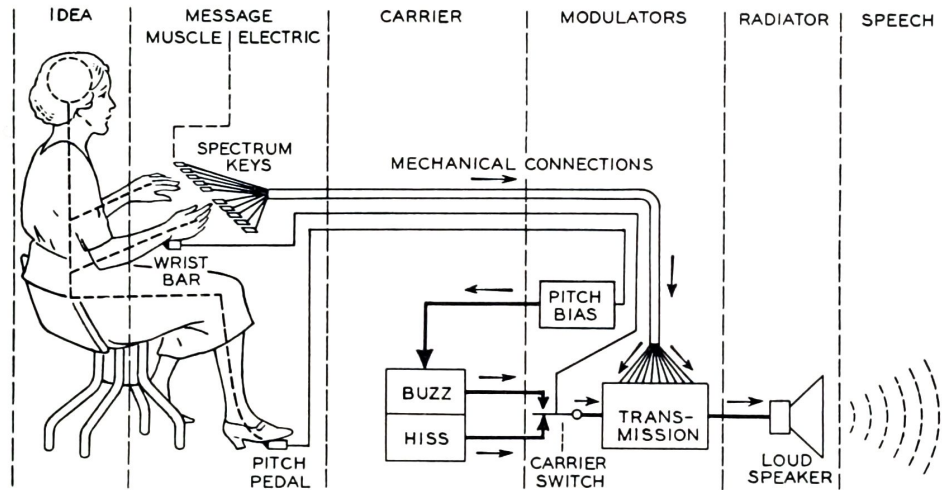
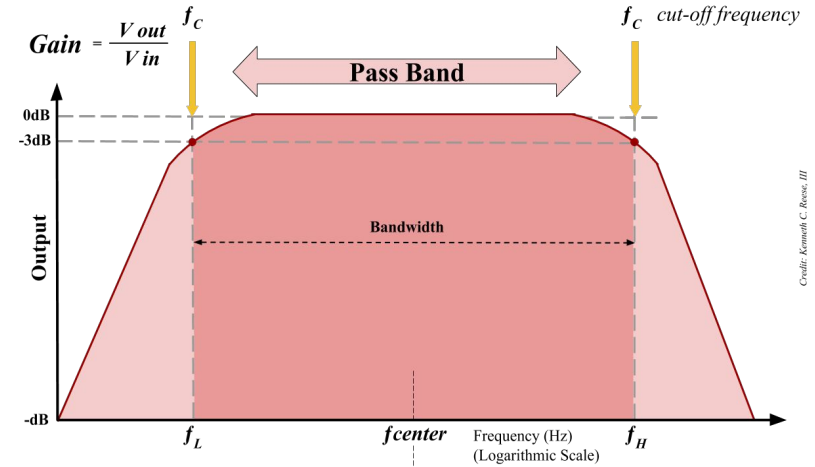
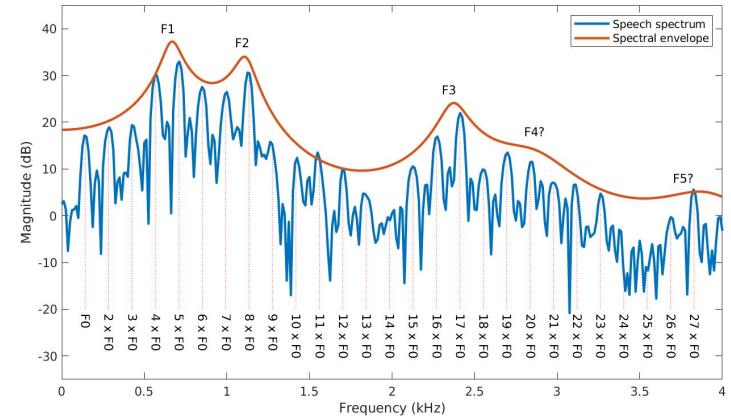


Fig. 8—Schematic circuit of the voder.

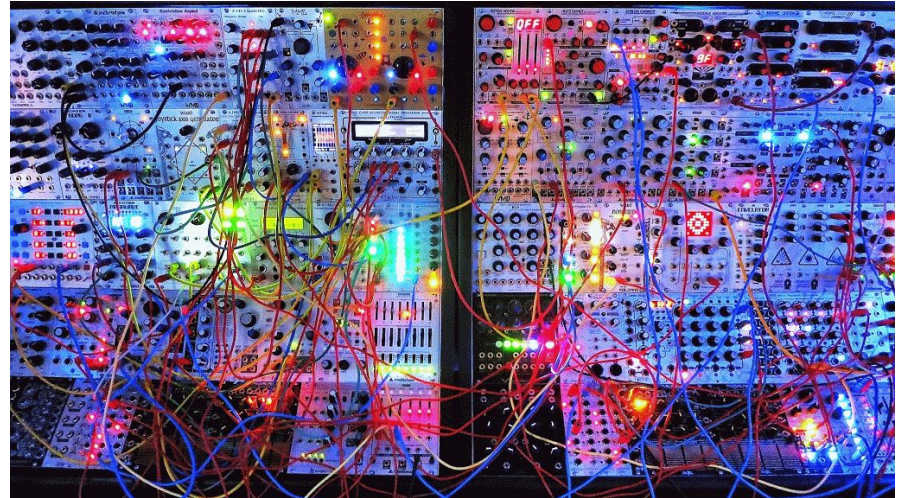
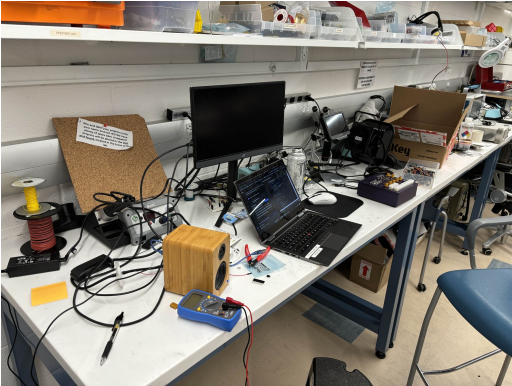


Credit: Kenneth C. Rose, III



The guts

- Teensy 4.1 + Audio Board
- Alphanumeric Display
- LED Matrix
- Analog To Digital Converter
- Storage
- Neopixel Keyboard



Linguistics

- Consonants
 - Voiced vs Unvoiced
 - Chose most common across english
- Vowels
 - IPA Vowel Chart
 - Interpolations of inbetween
 - Frequency interpolation!

Modifiers

- Synthesis
 - Filter Width
 - Harmonics
- Effects
 - Bitcrusher
 - Reverb
- Both!
 - Gender

Sonic Range

- Just Consonants
 - Percussive
- Just Vowels
 - Drones
- Both
 - Both notes and singing

Small tech demo!

The whole list of stuff i haven't gotten to

- Design
 - Renders and Recordings
- Mechanical
 - embroidered nameplate
 - cartridge cover
- Electrical
 - the ingenious invention of the modern circuit board
- Software
 - ... to many to count

I may lack in many things (planning, sanity, etc.) but the one thing i definitely don't is ambition LOL

Thank you!