The quirks, bloopers, and other nonsense I learned while developing this module. Not a chance is this document going to see an editor's eyes.

The NSL-32 is really fucking expensive for the scale of this project.

The reason this uses optocouplers instead of photoresistors is because I needed to stay 3-25MOHM to do light presses/volume(IDK I took a multimeter to my finger and that's scientific enough for me). Photoresistors do not operate on that range very easily and I wanted this to be a project with as few components as possible. At some point when you're daily-chaining 1MOHM resistors to see what is going on you wonder if its really worth it. If you want quiet sounds and dynamics, you need really short gates. PNW/BSP/etc are basically requirements. The Lyra has a fixed AR envelope on the "Fast" setting and it gets to max really quickly. The slow setting and I are not on speaking terms.

Voice 8 of my DIY Lyra-8 Build and I are also not on speaking terms.

You don't need to have the logo filled in completely with the quirks of KiCAD. You just need to make sure the lines of the silkscreen printing will fill in the gaps with its error margin.

Making custom PCBs is surprisingly cheap compared to other hobbies.

Snapchat is great for saving photos as you spam your friends with DIY photos so you don't have to do a dedicated photoshoot.

KiCAD will also let you pull trace settings from one project into another.

Aside from my job getting in the way of releasing this sooner, I still find the idea of "HEY GUYS I MADE A THING" very stressful. It's not even the possible waste of space of stock if no one buys it, its the sheer act of throwing yourself out there.

People in DIY are very friendly.

Go listen to monkeyplusplus here as thanks because he was amazing in testing:
https://soundcloud.com/user-441976492

Ian and I are going to have a fat sitdown call after this blows over and we will import the WRC logo into KiCAD properly because various import settings make filled lettering a pain. Ian I am also so fucking sorry for doing this nonsense around the holidays. But I don't have a life so whoops.

For some reason I have a bug where if I use the Unity Outputs of MATHS, the cycling LFO just holds? This was not confirmed by Monkey++. Not the end of the world as the attenuverted outputs of 1 and 4 on MATHS still work.

Raf of OKAY Synthesizer is an absolute lad for helping guide me through the growing pains of this mess. Except Im not spending 150$/LFO. Mostly because I don't have the space.