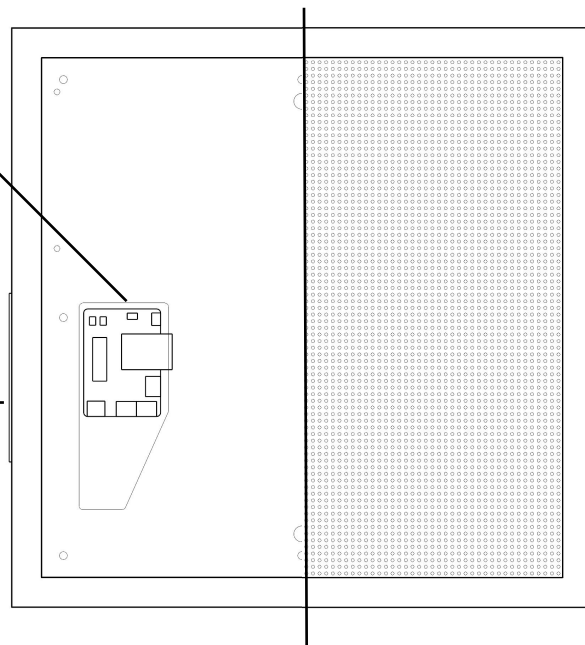


## Aquatic Ecosystem

As you plug in your Livegrid for the first time, you will be welcomed by **5 fish**. As these fish grow, they will reproduce and **within a few weeks** you will have a thriving and vibrant ecosystem of around **30 fish** at a time.

With a **lifetime of around 1 week**, all fish will pass and give way to new life.

You can use 'Touch1' to **give them food**, but they don't really need it and are pretty self-sufficient. As long as the environment is supportive.



## Connecting to WiFi (optional)

This step is **completely optional** as it can have some bugs, but packed with features if you are keen-

1. When Livegrid boots, it creates a **WiFi hotspot 'Livegrid'** which will turn off after 5 minutes. On connecting to this from your computer or phone, you will be taken to a captive portal where you can **enter your home/work WiFi details**.
2. If successful, **press back button to see the IP address** assigned to your Livegrid.
3. In unsuccessful, try entering the WiFi details again.
4. Exit, **connect back to your original WiFi**. This is important !

## Accessing the Web-App

Welcome to Livegrid's PWA (**Progressive Web App**) - free of servers, cloud, and internet, this lets you **interact with your device fully and independently**.

1. In case you missed seeing your **IP address** or forgot it, you can use the Touch Menu to find it.
2. Enter the IP address **on any browser** in the same network, and you are in.
3. You should also be able to access it by entering '**livegrid.local**', but this is dependent on a few factors and can sometimes not work.
4. If this doesn't work, it's probably because your network doesn't allow P2P (peer-to-peer) communication. If you are in an organisation, contact your IT people to help out with this.

Pro tip - Use '**Add to Home Screen**' from Chrome/Safari on your mobile to create an easy access shortcut.

## Touch Menu

Can be accessed by **Touch2** and is designed to let you control a few basic parameters-

1. **Go Back** - Exit the menu.
2. **WiFi Info** - Shows the WiFi status and the IP address when connected
3. **Show/Hide Sensor Data** - Permanently show numeric sensor data on the display.
4. **Start Demo** - See how the environment links to the Ecosystem. Useful to explain to friends.
5. **Turn Off** - Turn off the display. The ecosystem keeps running underneath.
6. **Factory Reset** - Go back to the absolute default settings. Useful for gifting or fixing all errors.

## Environmental Sensing

Livegrid can sense **temperature, humidity and CO2 levels** using the SCD40 sensor. All these parameters effect how good you feel in day to day life.

**CO2 critically is a good indication** of ventilation in your space, and high levels of it can lead to lethargy, drowsiness and sleepiness. Living in high CO2 levels for elongated duration can also lead to health issues.

**The ecosystem therefore, is a reflection of your own health.**

## Issues and Updates

This is the first product I have developed independently, and **it's not perfect**. Please **contact me if you have any issues** and I will try my best to fix them for you. In time, **software updates** will be released which will fix and improve things