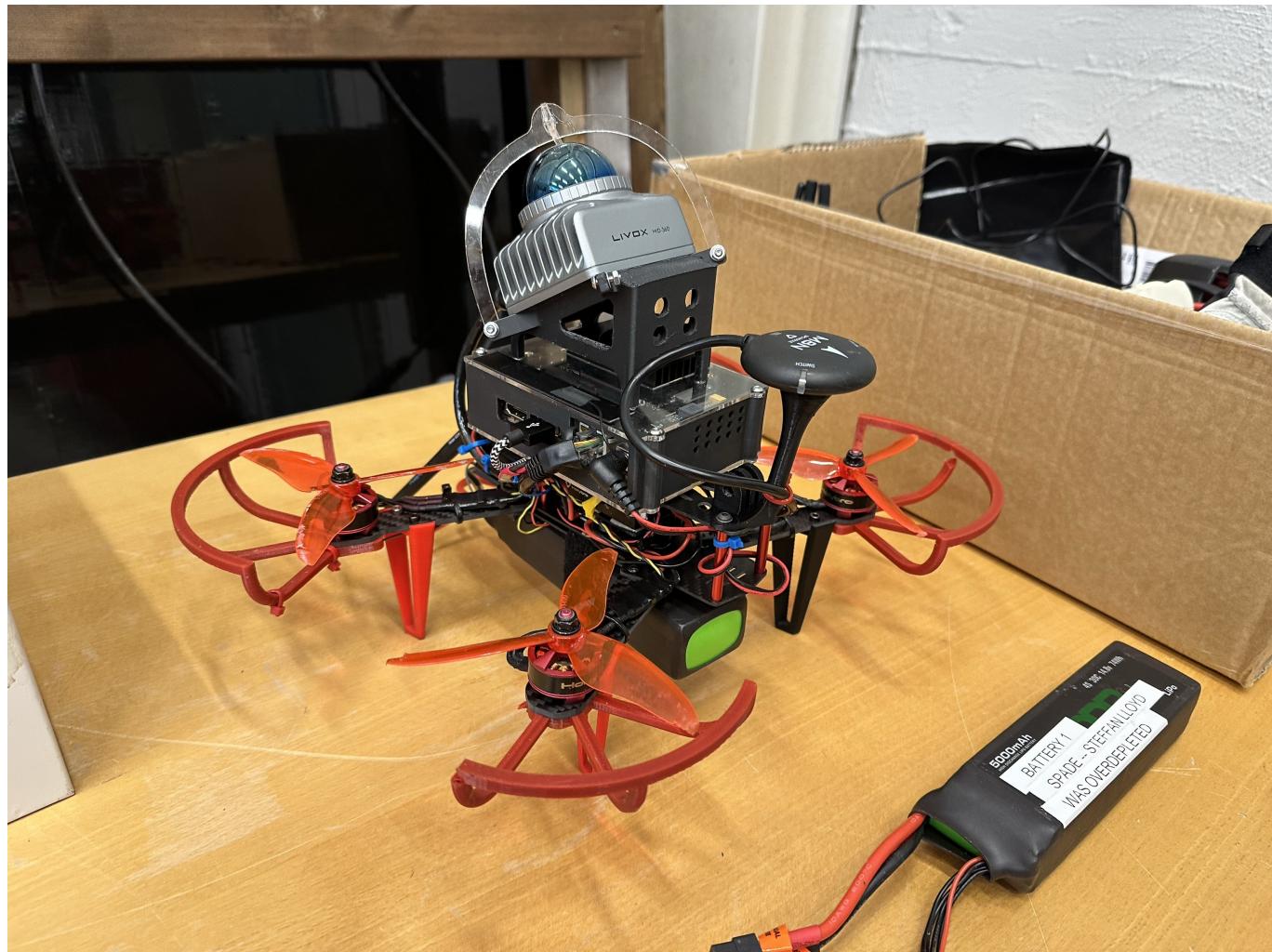


Drone Setup

Here are some brief instructions to set up the drone, upon delivery.



Reassemble drone

1. Connect legs. Legs are in the plastic bag with the screws. One leg goes on each wing as in the attached image.
2. Connect the lidar assembly to the top of the computer with the four bolts already screwed into the computer case. Connect the LiDAR cable to the LiDAR, and double check that the power connector has the right polarity (red to red, black to black).
3. When ready for flight, the battery is strapped to the bottom.

Computer setup

First, we need to connect the device to wifi. To do this, remove the ethernet cable to the LiDAR from the PC, and connect it to a network you control. Then, power up the PC using the included external power adapter (this avoids having to connect a battery to the drone, which would energize the whole drone and be unsafe for a work environment).

Then, SSH into the device. Username is **spade**, password is **spade**.

Once in, connect to your wifi network:

```
nmcli device wifi connect 'NETWORK_NAME' password 'PASSWORD' ifname wlan0
```

where you replace **NETWORK_NAME** and **PASSWORD** with your network's credentials.

Verify this connection was successful by ssh'ing into the device again over wifi. If successful, reconnect the LiDAR cable. Setup is complete.

If any problems, contact Steffan Lloyd at steffan.lloyd@nibio.no.

Alternative computer setup

If you can't establish an SSH connection, you can also connect a keyboard, mouse and screen directly to the computer. Then, open up a terminal and type the same commands as above until a wifi connection is established.