

DRONE GUARDS AND OTHER FLIGHT TIPS



This tutorial is meant to cover the **maintenance procedures** for drones, based on my experience with a custom build and the Crazyflie drone. Some areas prone to problems are:

- Battery care
 - How-to-charge: [explanatory videos](#)
 - How to store: in a fridge else in a secluded space
- Propeller care
 - Balancing propellers

Propellers can create problematic vibrations in the drone, leading to wide ranging effects from drone stability, to an unnecessary drain on the batter. The propellers should be **checked** for damage, bending and unbalance. There are multiple procedures to balance propellers, of which my favourite:

- [Balancing propellers using an application for drone vibration tests.](#)
 - Buying spares
- Designing robust drone guards
 - Existing designs
- Motor care
 - Main risks to look out for
- Safekeeping the ESCs.

Some drone maintenance specific to the Crazyflie:

- Links to Crazyflie drone guard
- Added protection
- Drone vibration testing
- The optic flow deck
 - Main issue with current hardware.



Loctite thread locker.

Further work that can be done:

DIY Lost Model Alarm with Built-in Battery



Buzzer can help you locate your crashed drone, but typically it won't work if the battery is disconnected in the crash. Here we will show you how to build a DIY lost model alarm with its own little built-in battery.

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