

Mass Drop: How to set it up?

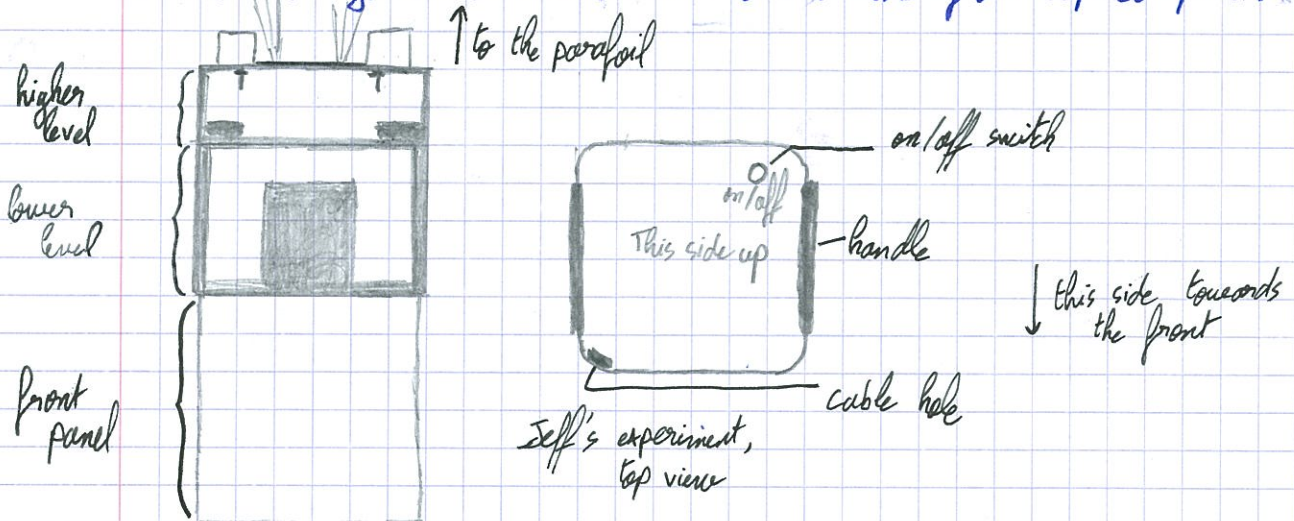
by Victor MONTROY

Weight (no electronics)
1145g

I) The higher level

Jeff's experiment

You need to put Jeff's blue lunch box experiment on the top shelf. The on/off switch is towards the back and the cables coming out of it (and that go to the Arduino) are towards the front (opened panel).



Mass Drop, Front view

II) The lower level

Arduino and Battery Pack

(this section may vary slightly depending on how the linear actuators are set up)

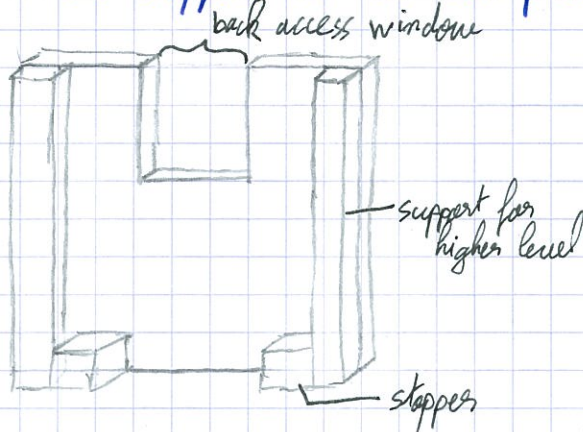
Start by plugging in all the necessary cables. These include:

- linear actuators (x 2)
- Jeff's experiment
- battery packs (1x Arduino; 2x linear actuators)

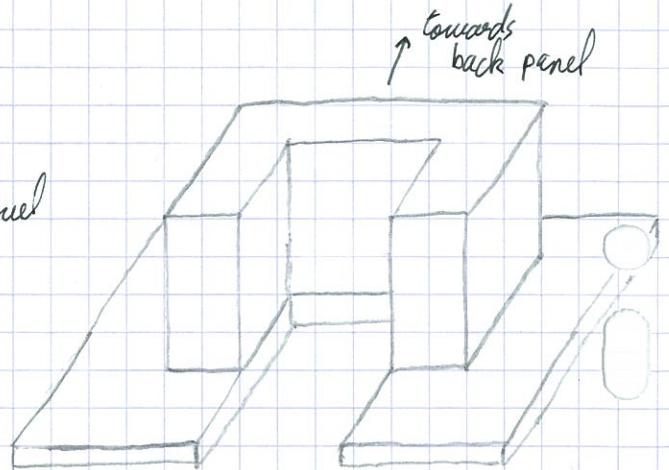
You can then set up the arduino and battery packs either on the back panel (next to the linear actuators) or on the side panels.

Cutdown Mechanism

First, you have to string up the cutdown mechanism. To do so, please see Lou (Far Horizons referring engineers) or any other person acquainted with the mechanisms. Put the cutdown panel in and push it in until it blocks (there are two stoppers on the back panel).



Back Panel; Front 3D view
(lower level only)



Cutdown panel

Then put the cutdown mechanism in the cutdown panel. It should be in a vertical position with the interface facing towards the front panel.

GPS Tracking Device

Put the GPS tracker in front of the cutdown mechanism. To do so, thread the radio antennae through the hole in the lower level panel. By doing so, the GPS antennae should be facing towards the front panel.

Then put in the tracker panel to hold the tracker in place. To do so, use the velcro on both panels (tracker and lower level panels).

⚠ Be extra careful: the radio antennae MUST come out through the tip of the aerodynamic panels ⚠

