Version 1.0

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MISSON CONTROL   
  
User manual

Software for Rocket Avionics

# Setup

## Getting familiar with Mission Control

Getting familiar with the following diagram will aid your use of the manual, as the terms there will be the same as the terms referencing the user interface shown below.

\*\* Work in progress, will be updated when UI is updated \*\*

A screenshot of a cell phone

Description automatically generated

**(1)**

**(2)**

**(3)**

**(4)**

**(5)**

**(6)**

1. Weather conditions for current location
2. Button to select a graph
3. Visible/Hidden Indicator
4. Select serial device to connect to
5. Run past flights
6. Run a simulation
7. …
8. …
9. …

## Getting started

To get started with Mission Control, select a serial device to connect to. The program will analyse the conditions and display warnings on the warnings pane should there be any.

## Launching the rocket

To arm the rocket to prepare for launch, click the Arm button. The rocket will move into a state that’s ready for launch. Warnings may appear in the warnings pane depending on the conditions. The Launch button will be activated and pressing so will initiate a countdown. If there are warnings, a dialog box will appear asking for confirmation. The rocket will launch automatically after the countdown.

# During Launch

During the rocket’s flight, Mission Control will display flight conditions, such as altitude and velocity. The graphs will be displayed in real time, and hovering your mouse over the graph will show the value at that point in time.

You can reorder the graphs by clicking the arrows next to the corresponding graph button. You can also make a graph visible or hidden by clicking the corresponding V/H. Clicking on the button will highlight the graph.

# Post Launch