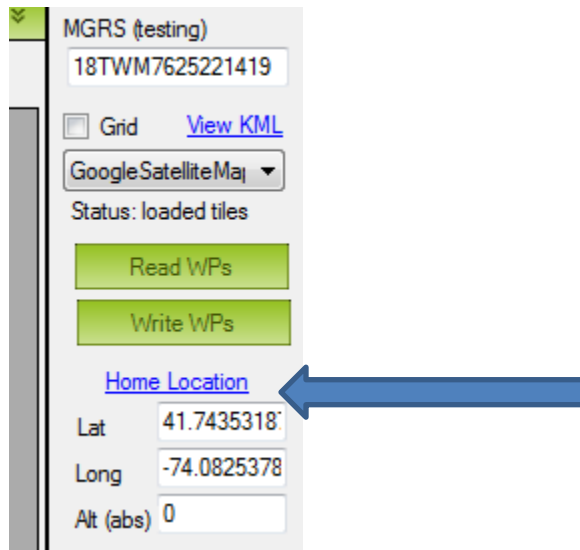


## Setting up a flight

**Before you can start planning a mission you must first connect the copter to mission planner.**

**For help connecting to mission planner please refer to the set up guide.**

The first step to create a flight plan is to set your home location this will give the copter a reference point. To do this you will need to take your copter to the location where you will be flying. Once your there click on the on the home location button in the flight planner located below.

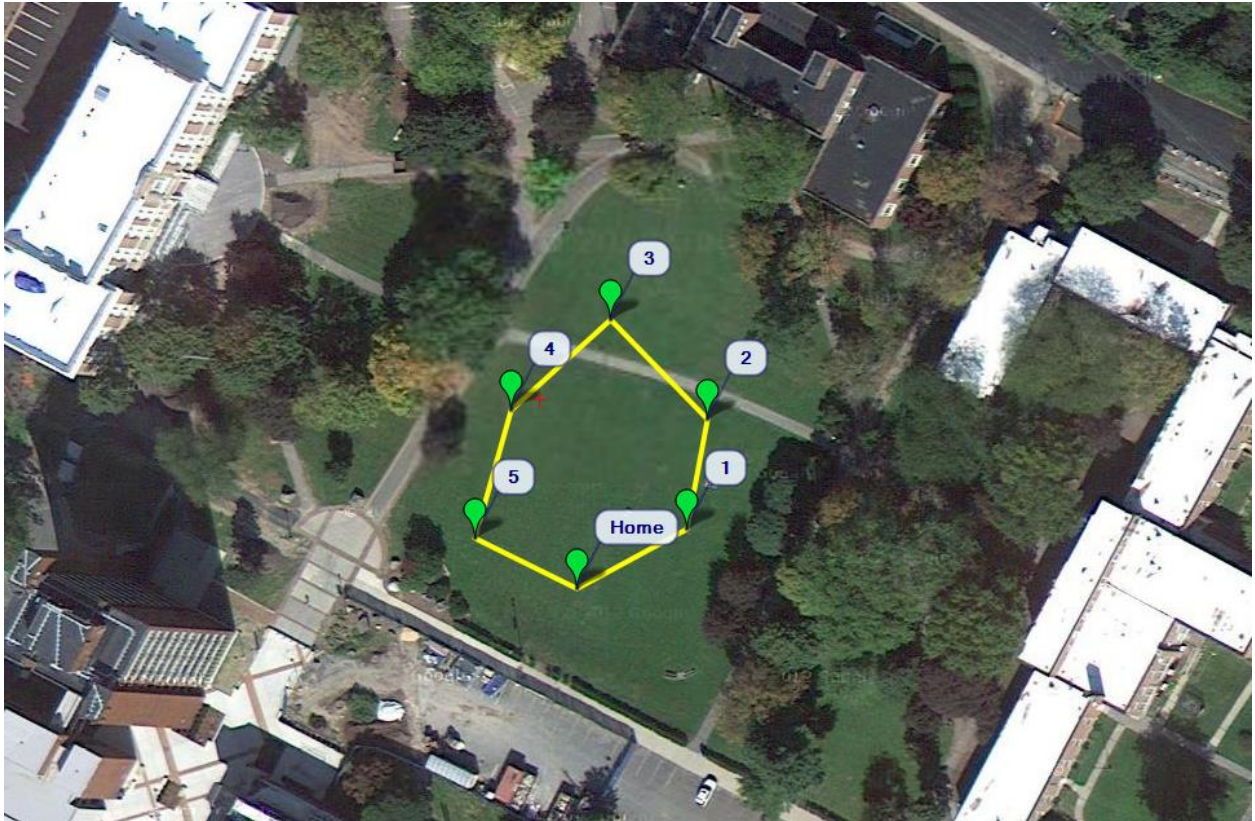


The screenshot shows a vertical sidebar of the Mission Planner interface. At the top, it says 'MGRS (testing)' with a dropdown arrow. Below that is a text box containing '18TWM7625221419'. There is a checkbox for 'Grid' and a blue link for 'View KML'. Below these is a dropdown menu showing 'GoogleSatelliteMap' with a downward arrow. Underneath is the text 'Status: loaded tiles'. There are two green buttons: 'Read WPs' and 'Write WPs'. Below the buttons is a blue link labeled 'Home Location', which is pointed to by a large blue arrow from the right. At the bottom of the sidebar are three text boxes: 'Lat' with the value '41.7435318', 'Long' with the value '-74.0825378', and 'Alt (abs)' with the value '0'.

Once you click this you will see on your flight path you home location shown below.



The next step is to add different waypoints for the copter to fly to. To add way points right click the place you want the copter to fly to. You can add any number of way points you would like but the copter will run slower. Once you add waypoints your flight plan should look like this.



At these waypoints you will be able to do different tasks depending on the environment for example if you have a live video stream and want to hold the camera at location 3 you can set the command to do that in the waypoint guide below. For your first flights you want to set the altitude lower in case of problems the copter won't fall too much. In this menu you will set the different task for the copter to take. In the example below you can see the order in which the copter takes.



FLIGHT DATA
FLIGHT PLAN
INITIAL SETUP
CONFIG/TUNING
SIMULATION
TERMINAL
HELP
DONATE

Distance: 0.0786 miles  
Prev: 424.78 ft  
Home: 397.69 ft

©2013 Google - Map data ©2013 Tele Atlas Imagery ©2013 GeoEye

### Waypoints

WP Radius: 2  
Loiter Radius: 45  
Default Alt: 100  
☐ Verify Height  
Add Below

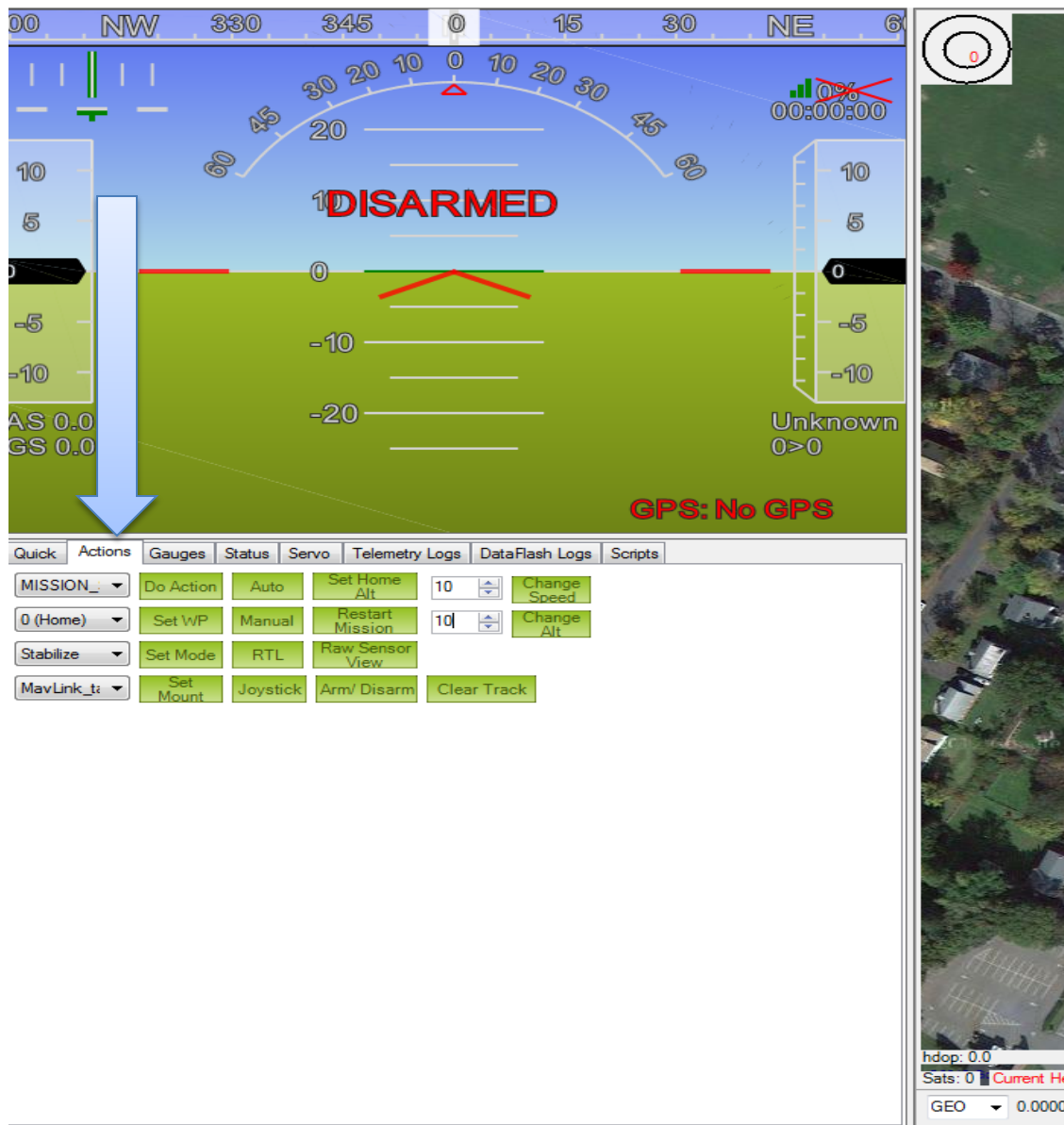
	Command	Delay	Hit Rad	Yaw Ann	Lat	Long	Alt	Delete	Up	Down	Grad %	Dist
1	TAKEOFF	0	0	0	41.7435819	-74.0822965	10	X	⬆	⬇	141.7	70.6
2	WAYPOINT	0	0	0	41.7437520	-74.0822536	10	X	⬆	⬇	8.3	120.8
3	WAYPOINT	0	0	0	41.7439061	-74.0824547	10	X	⬆	⬇	0.0	78.5
4	WAYPOINT	0	0	0	41.7437660	-74.0826613	10	X	⬆	⬇	0.0	76.0
5	LAND	0	0	0	41.7435679	-74.0827364	10	X	⬆	⬇	0.0	75.1

Using the command pull down menus you can change the command. As you can see at the home location the copter will take off and climb to an altitude of 10 ft. From there the copter will fly to the other waypoints until landing. If you notice the landing altitude is still 10 feet. The

copter will return to the zero when it lands but before it gets to that waypoint it needs to have an altitude to fly to it.

### Starting your mission

Once you have created you mission you have to send the instructions to the copter. Click on the flight data tab on the top mission planner. Once there as shown below you will have to navigate to the actions tab.

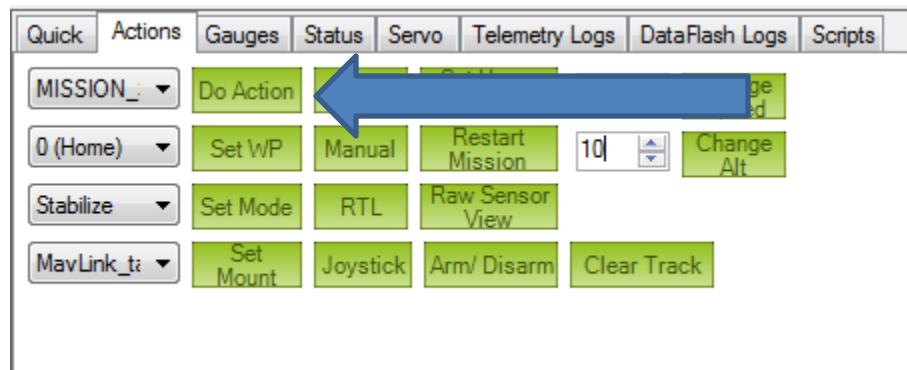


Once you have the actions sheet then you have to start you mission by selecting it from the pull down menu. Your screen should look like the one above.

The next step is to arm the copter making it ready to fly. To arm the copter click on the arm/disarm button shown in the action tab.

Your screen should now say “ARMED” in big red letters. This means your copter has passed the preflight checks and the routers will now have power and operation.

You will now have to start the mission. To start the mission click on the “Do action” button shown below.



You will now be prompted to start the mission.



once you click yes the copter will start the mission.