

SOFTWARE SIMULATION

Simulation is the imitation of the operation of a real-world process or system over time. The act of simulating something first requires that a model be developed; this model represents the key characteristics or behaviours of the selected physical or abstract system or process. The model represents the system itself, whereas the simulation represents the operation of the system over time.

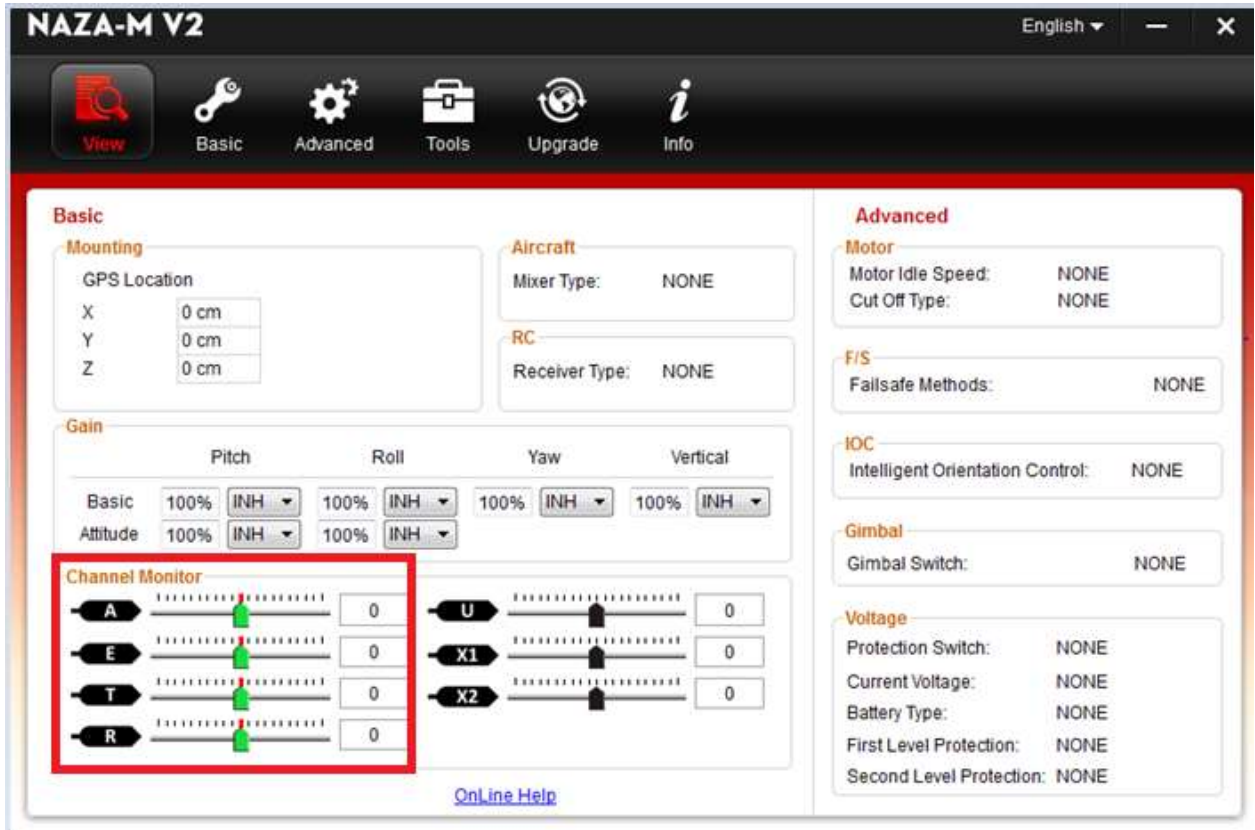
We are using the **NAZA MV2 Software** for Drone Simulation. here below shows the software icon. Depending on the NAZA we are using we have to choose the either one of the software shown below.



STEPS TO DO SIMULATION:

- Open NAZA MV2 software
- Switch on the remote
- After opening the software it will look like the below shown image

STEP 1: In the **VIEW** option we have to check the Channel monitors

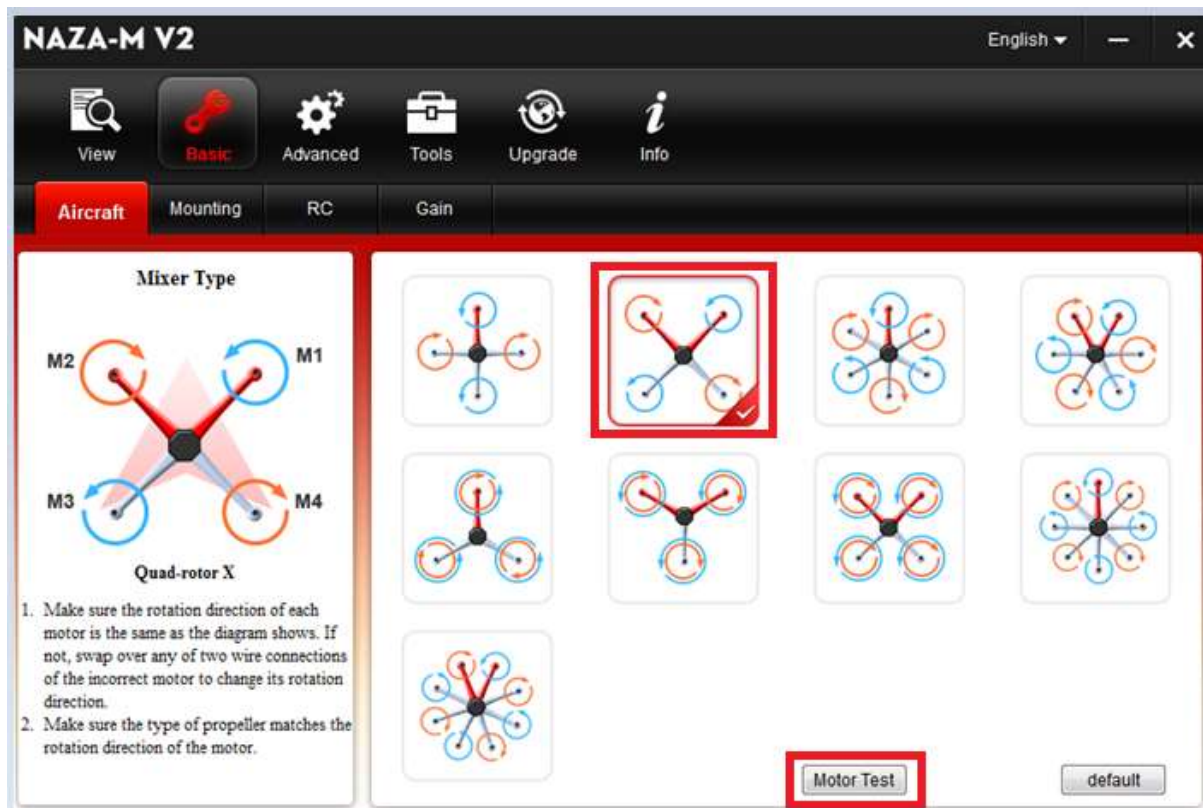


In the remote we have to give the throttle as input and check the channel monitor whether the throttle is moving or not

Same way we have to give the Yaw, Pitch, Roll as inputs from the remote and check the channel monitor whether they are properly working or not

After completion of this go to the next step

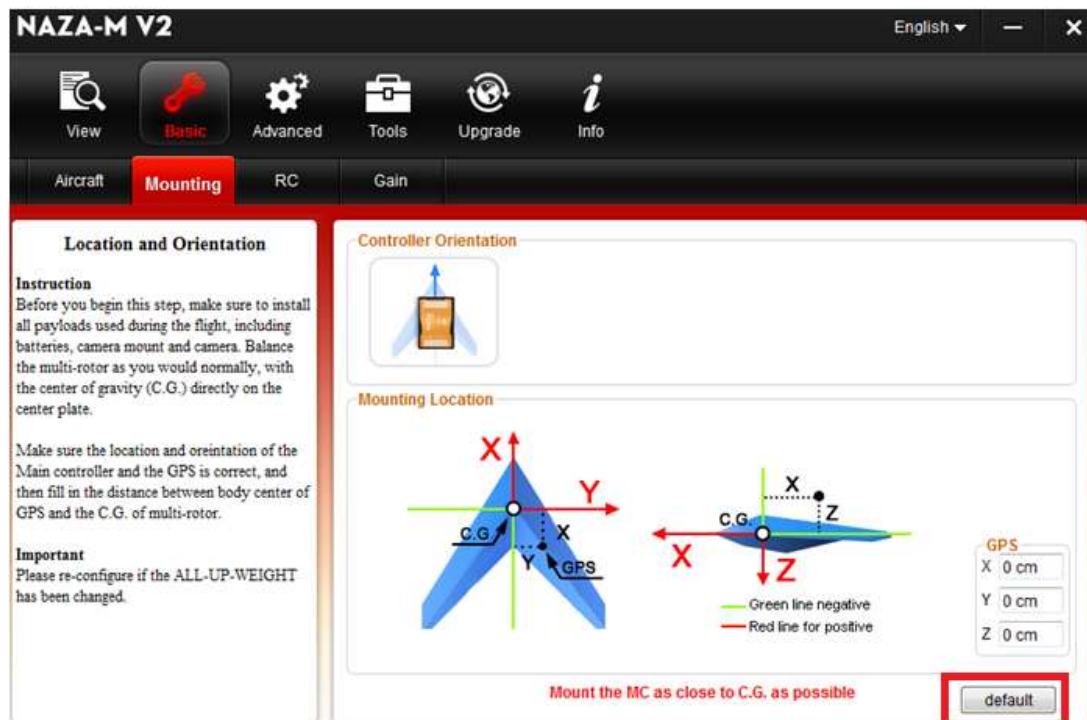
STEP 2: open the **Basic** option in that we have aircraft, mounting, RC, Gain



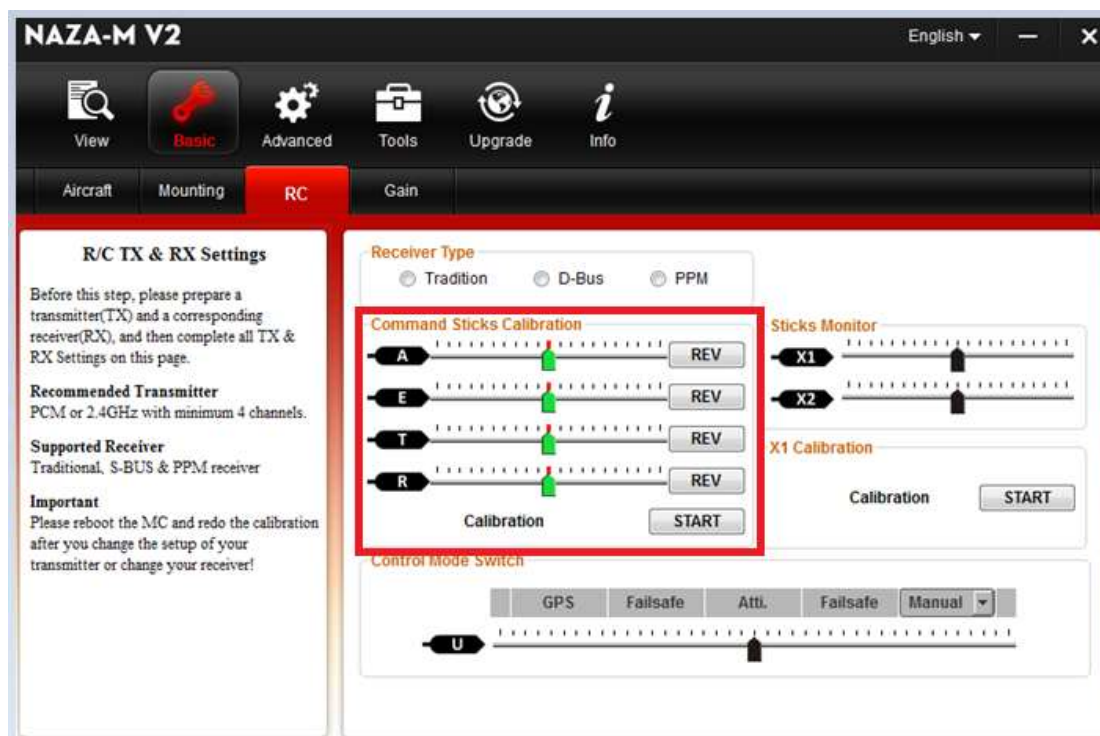
AIRCRAFT:

- select the type of your drone
- click on motor test
- after clicking on that one box will open click on motor M1 and check the motor orientation
- If the motor M1 was rotating in ANTI-CLOCK wise direction then no need to change anything
- If the motor M1 was rotating in CLOCK wise direction then we need to change the any two cables of motor
- same process we have to do for the remaining motor

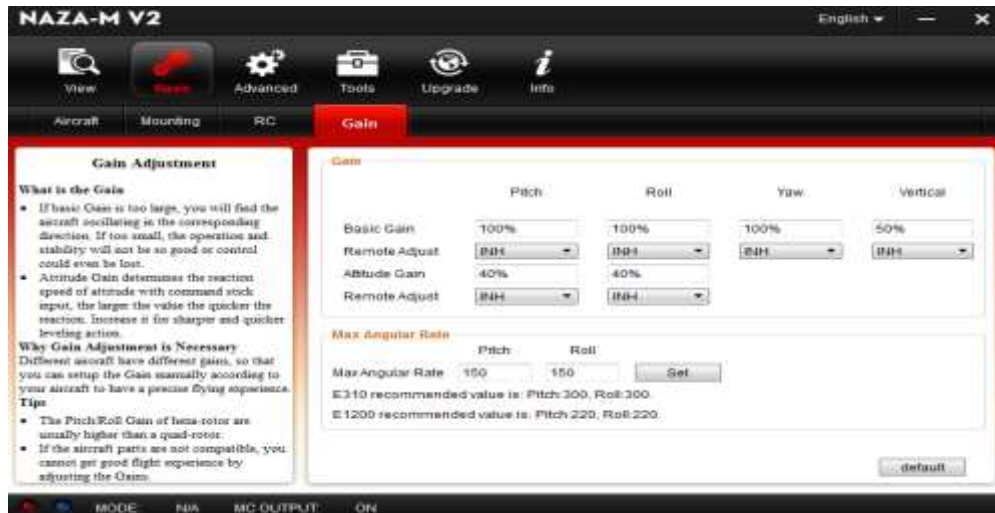
STEP 3: Now click on mounting option set it as default



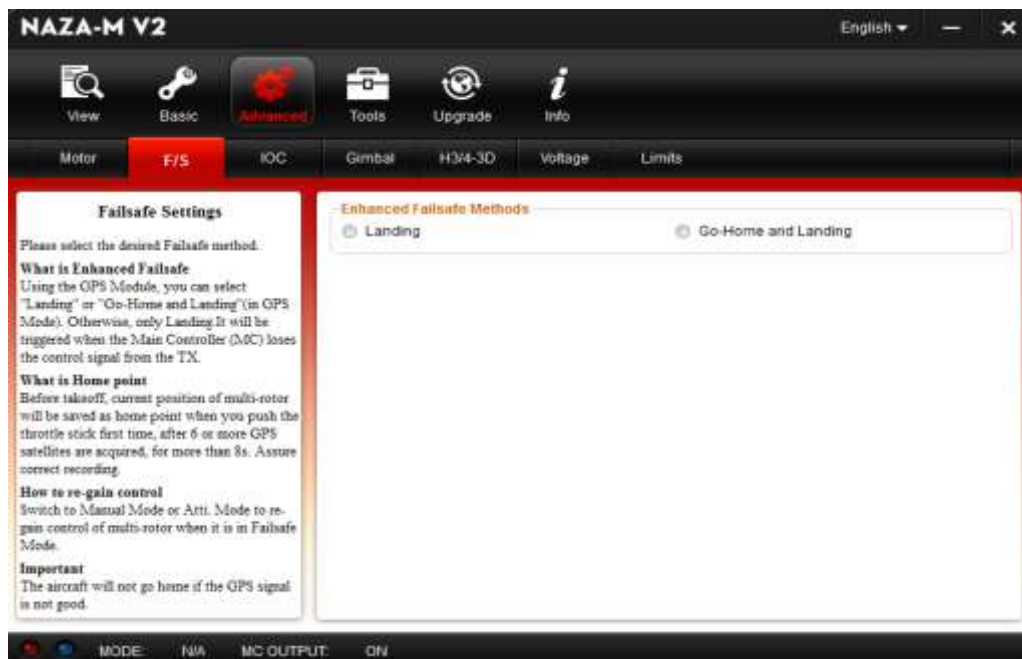
STEP 4: Now click on RC option and check the sticks calibrations by giving throttle yaw radar and pitch as inputs from the remote and also check the GPS, altitude, manual modes



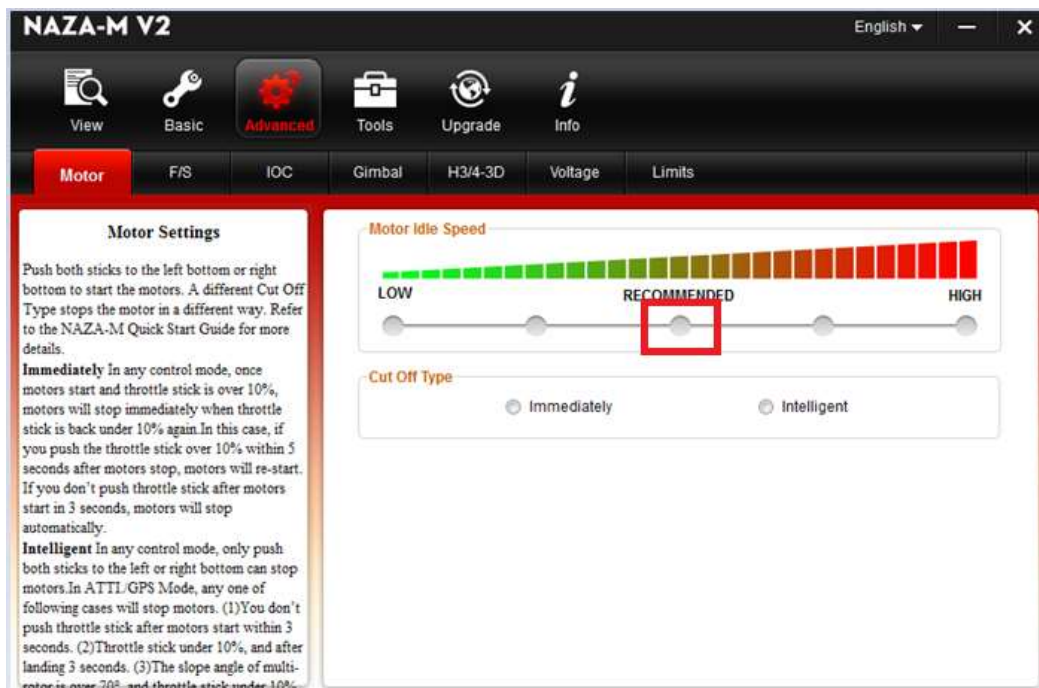
STEP 5: Now choose the **Gain** option, different aircrafts have different gains so we have to set up it manually



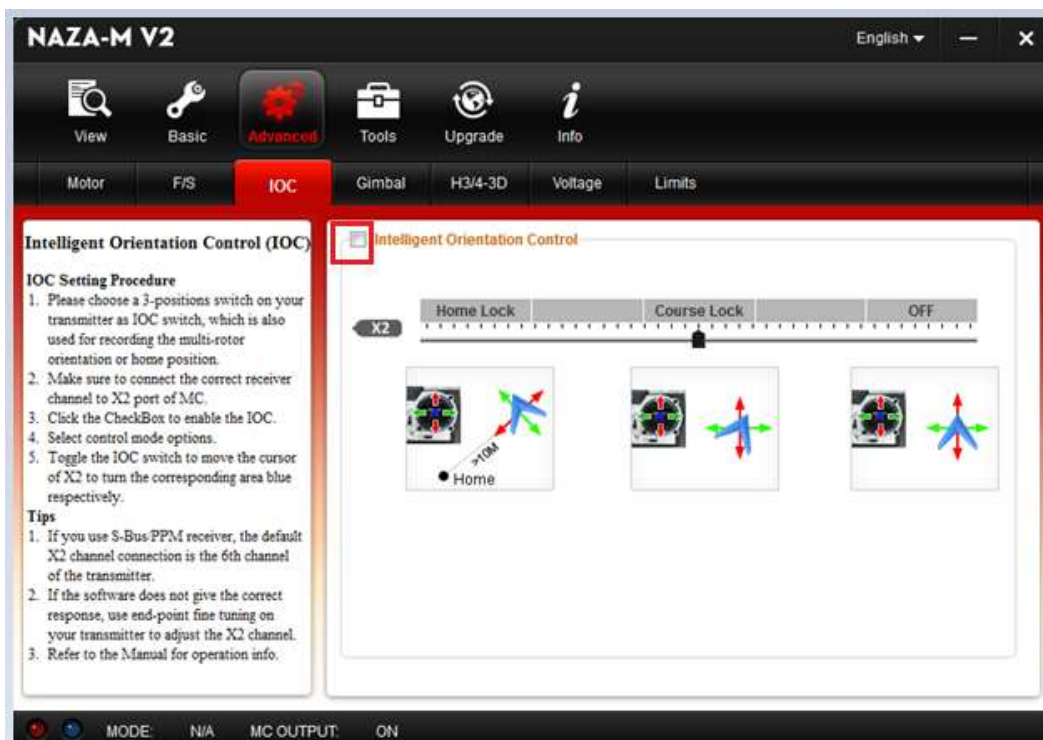
STEP 6: In **Advanced** settings first choose the **motor** option in that select the recommended option



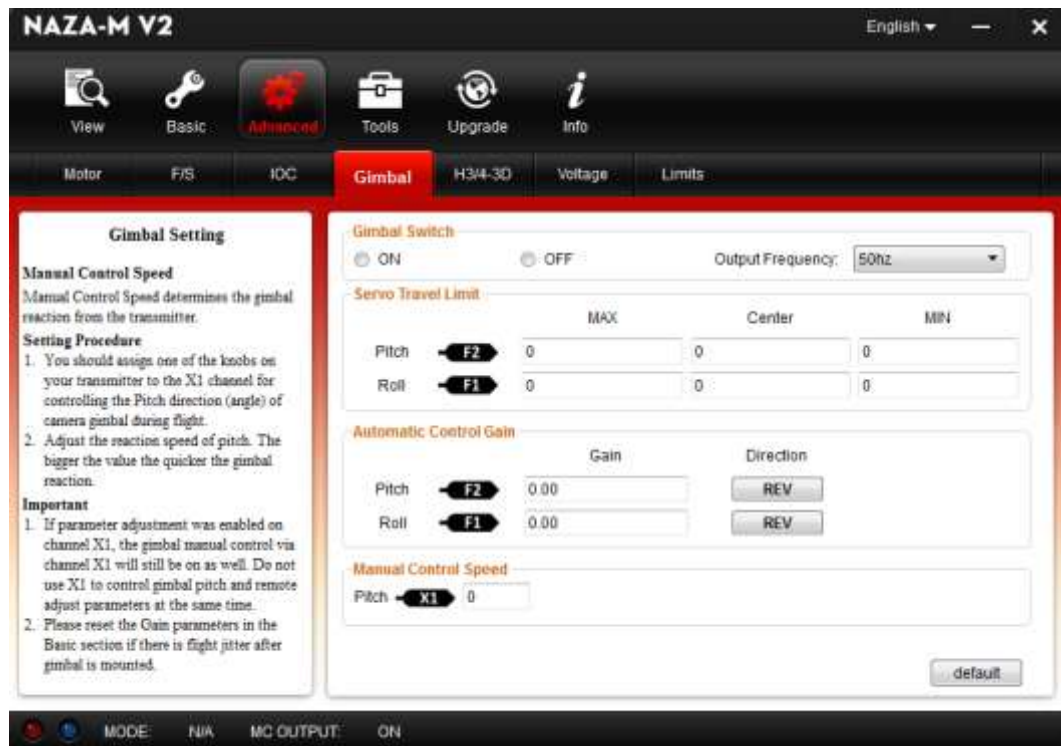
STEP 7: In **Filesafe** option we have to choose the either one of option based on our choice



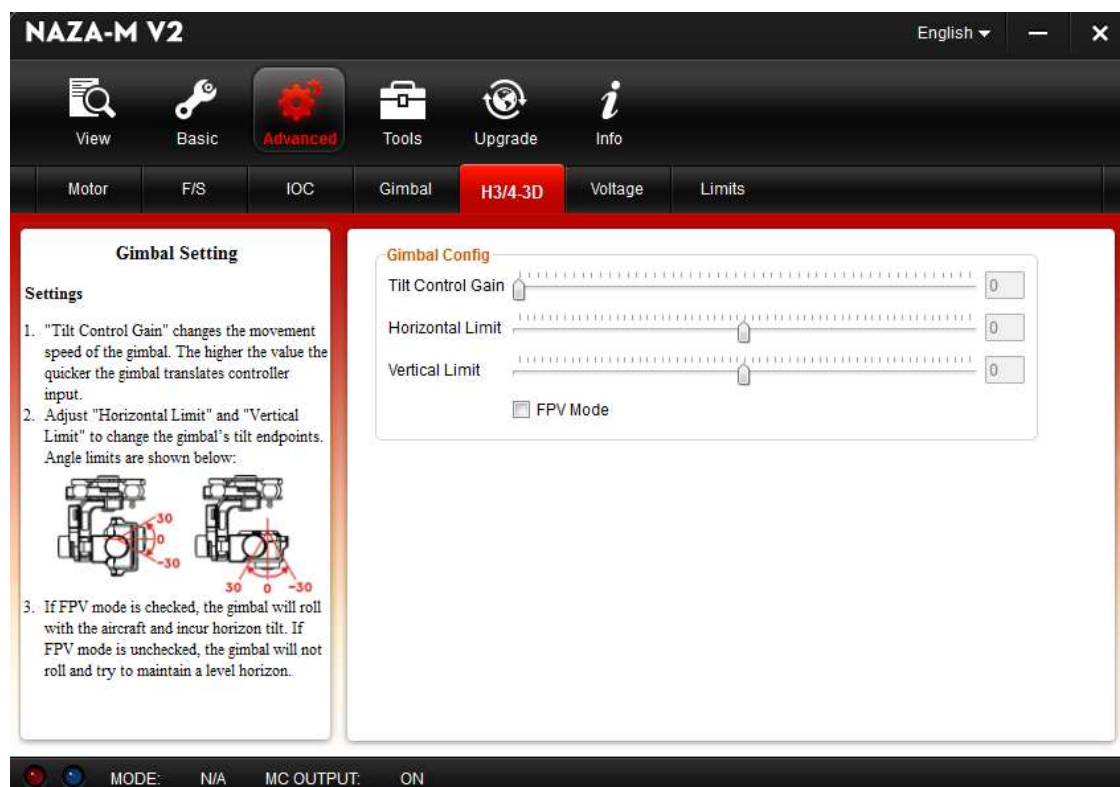
STEP 8: Based on our application we have to choose the **intelligent orientation control** option



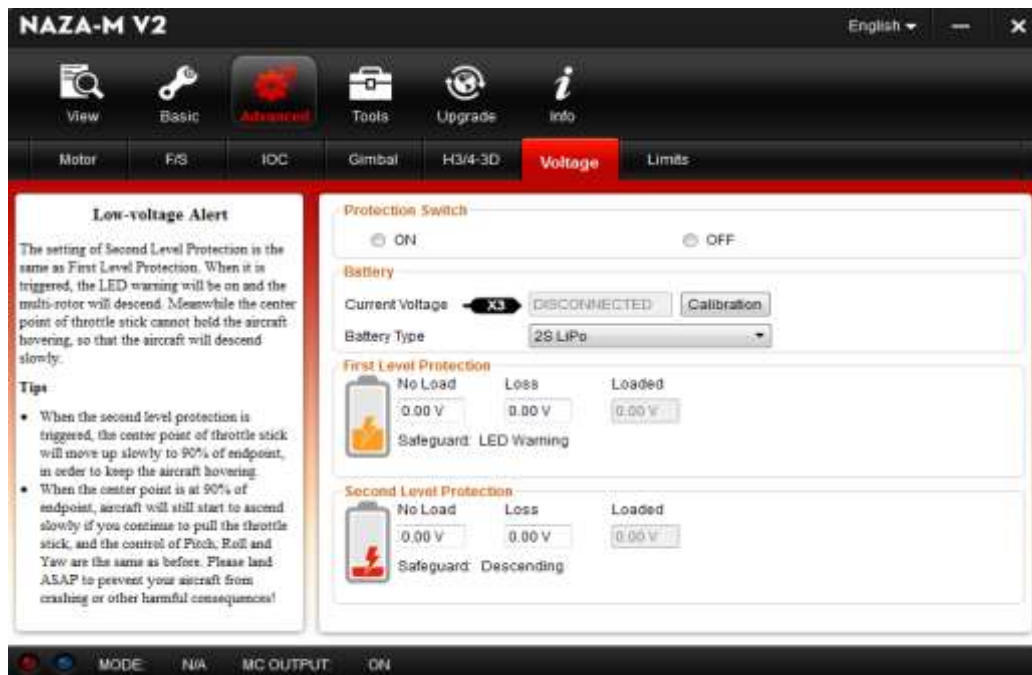
STEP 9: By using this **gimbal** option we can keep the device level set it as default



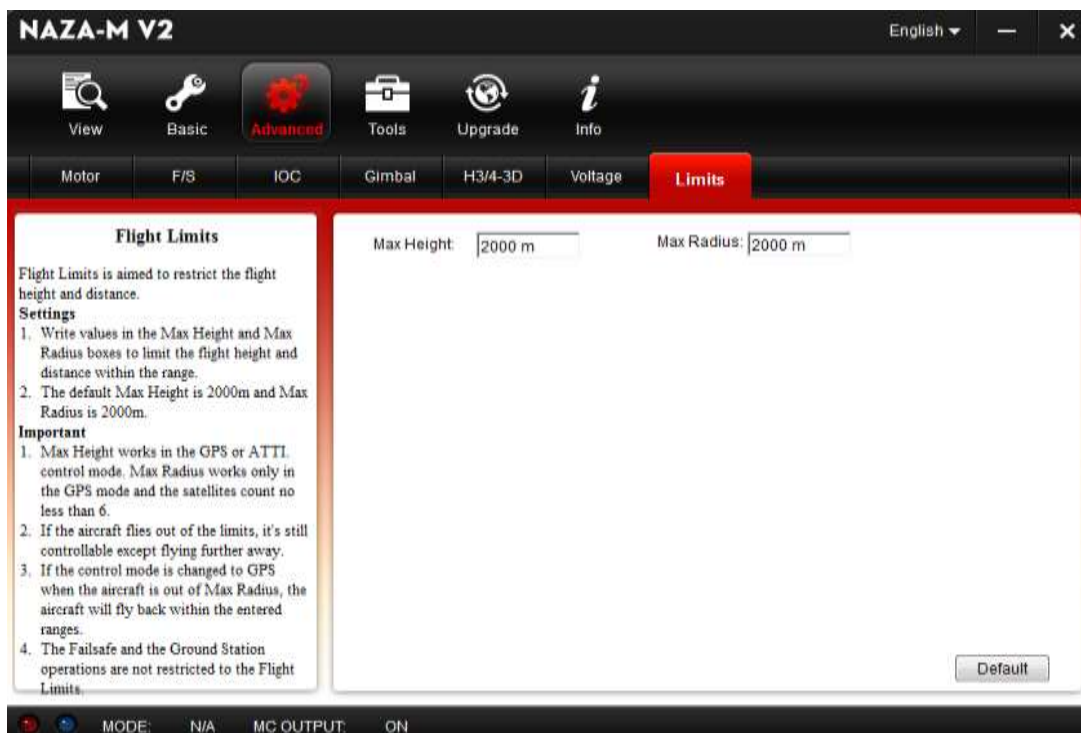
STEP 10: Check the **H3/4 3D** option no need to change



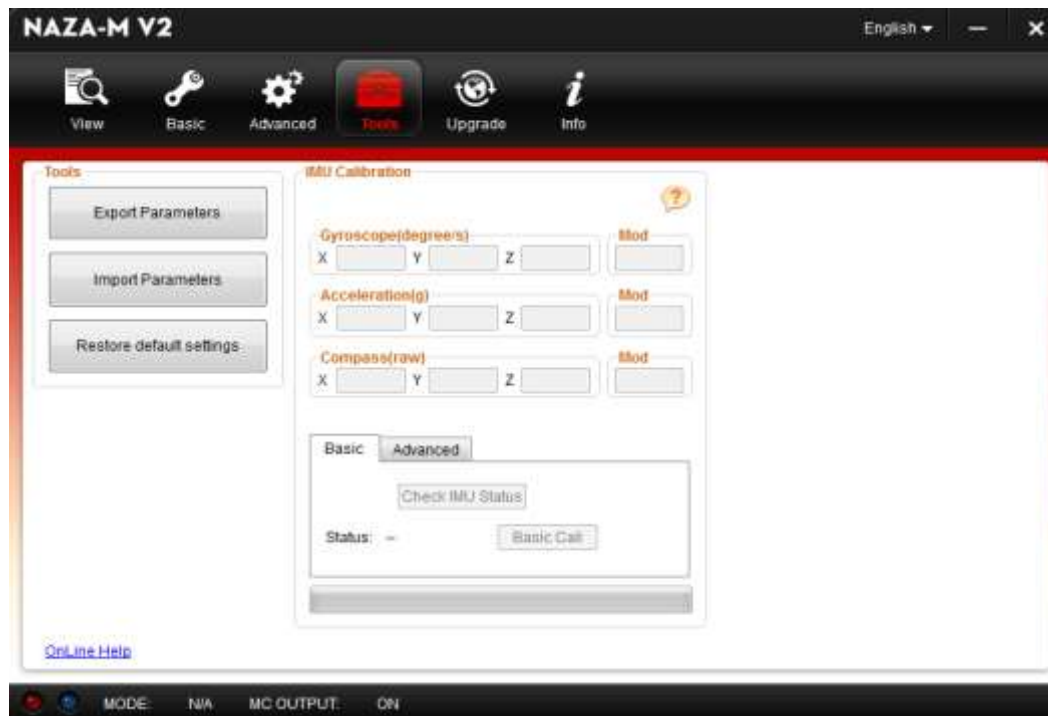
STEP 11: Choose the voltage option and no need to change it



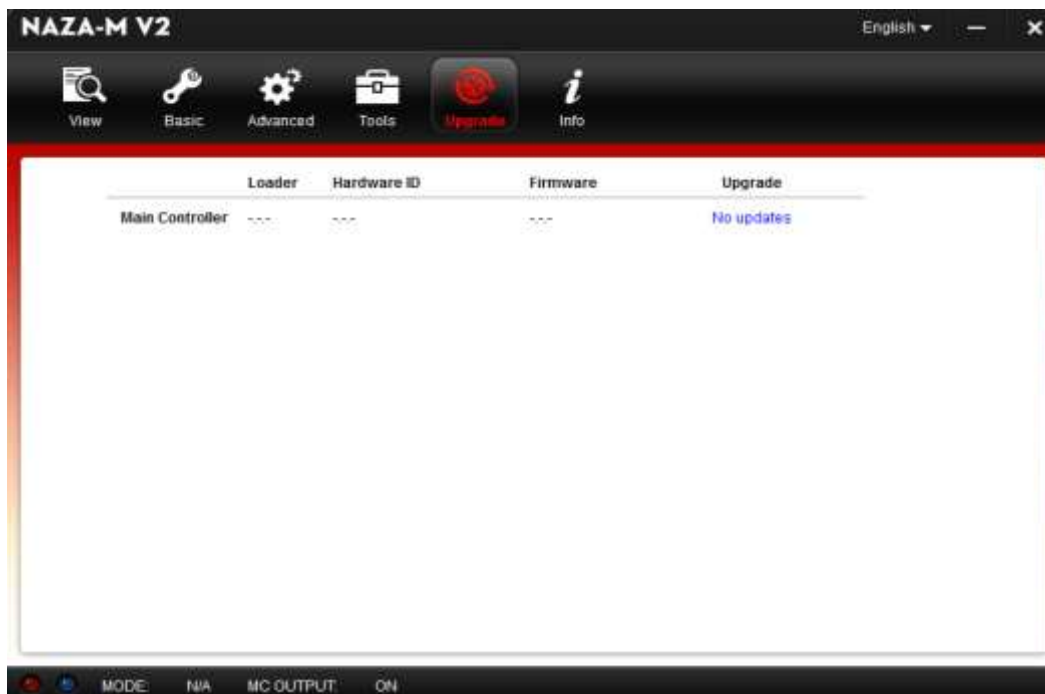
STEP 12: In this **Limit** option we have to give the values based on our requirement



STEP 13: After completion of all the above steps we have to do the **basic and advanced calibrations**



STEP 14: In this **upgrade** option we have to see the updates only



STEP 15: Just check the **info** option and close the software



View



Basic



Advanced



Tools



Upgrade



Info

User Info

Current Login User: --

[Login](#)

newsletter

Software InfoCurrent version: 2.40 [No updates](#)**License****SN**

Current S/N: N/A

Input your new S/N here: You can try (N/A) times

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[OnLine Help](#)

MODE:

N/A

MC OUTPUT:

ON