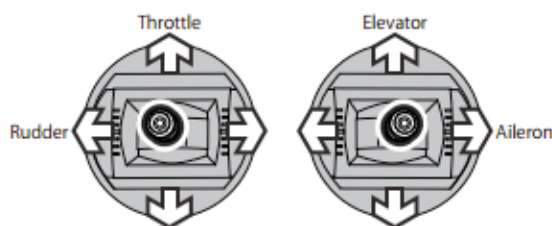


STEP BY STEP INSTRUCTRIONS FOR FLYING THE OCTOCOPTER MANUALLY USING THE JR-XG8 TRANSMITTER

To learn what each gimbal controls, practice with the aerosim flight simulator

1. Turn on the power to the helicopter
 - a. Plug in both batteries to the via the YELLOW connectors, on the octocopter
 - b. DO NOT MOVE the octocopter after plugging it in
2. Turn on the Transmitter (JR-XG8 Remote Control)
 - a. Flip all the switches AWAY from you (towards the ground, if you are holding it parallel to the ground)
 - b. Put the throttle (the LEFT gimble stick) downwards, towards you
 - c. Flip the silver ON/OFF switch in the center of the transmitter UPWARDS (away from you)
 - d. Put the transmitter in AUTOPILOT (GPS) MODE by flipping the switch in the TOP RIGHT of the transmitter, labeled (GPS / ATT / MANUAL), up towards you, to GPS MODE
3. START THE OCTOCOPTER
 - a. Holding the transmitter, hold both gimbals into the bottom right corners. The rotors will start to turn.
 - b. Let go of the right gimbal so it slides back into the center.
 - c. Move the left gimbal (the throttle) to the bottom center.
 - d. Slowly, move the throttle upwards. The rotors will spin faster, and the octocopter should take off.
 - e. If you do not do this soon enough, the motors will shut off.
4. Control the octocopter:
 - a. The gimbal sticks are oriented as follows:



- b. To bring the octocopter up and down, use the **throttle stick**. At MID POSITION, the octocopter will stay at the exact altitude it is at.
- c. To rotate the octocopter around its axis, use the **rudder**. Move the rudder RIGHT to spin the octocopter COUNTER CLOCKWISE (from looking up at it). Move the rudder LEFT to spin the octocopter CLOCKWISE.

- d. The **Elevator** and **Aileron** steers the octocopter. The elevator steers it forwards and backwards. The aileron steers it right and left. (**This is in relation to the Arms – Arm #1 is centered at the forward position parallel to the landing skids and should be marked with bright tape or the signal LED**).
5. To Land:
 - a. While hovering over the area you want to land, bring the throttle slightly below mid position. NOTE: At mid position, the octocopter will remain exactly at altitude. Slightly below mid position it will begin to descend slowly.
 - b. Once landed, move the throttle all the way to 0 position (fully down), and the rotors should stop spinning after a few seconds.
 6. **FAILSAFE mode:** to return home in case of emergency
 - a. On the top left of the transmitter is a long switch labeled (with masking tape). It should be in the bottom position (towards the back of the transmitter).
 - b. If you want the octocopter to return to its home position automatically, exactly where it was when you turned it on, flip the **failsafe switch** UP, towards the ARROW marked on the masking tape, that says, **FS-on**.
 - c. The octocopter will ascend, then fly to hover above home position, then it will descend slowly to land.