

## Hints on Flying a Standard Drone Kit

Flying a Standard Drone Kit is much more difficult than flying a GPS model. You will need to keep your thumbs on the joysticks the entire time while flying. Follow these hints to help get it in the air:

1. Once at your location, you should **RECALIBRATE THE ACCELERAMETER**. This is done in the Flight Controller. See the appropriate page in the Build Manual. <http://dronecurriculum.net/support/>
2. Use prop guards to save props. Chances are that you will be hitting the ground a few times when first starting out.
3. Be very delicate with the controls when first flying. Use very slight movement with the joysticks to “test” the drone’s tendencies.
4. When turning the transmitter on, make sure all switches are up or back. Otherwise, you will get an error.
5. Once the transmitter has started, **IMMEDIATELY FLIP THE GEAR SWITCH FORWARD** to enable self-level. Self-level means the drone will level out after any movements in the air. Without it enabled, the drone will stay in the tilted position of the last maneuver.

Any settings you made according to the manual are preliminary. You might need to adjust things once in the air. From the first launch, you will need to get a feel for the drone’s flight tendencies. Apply very slight throttle to see if all motors start at the same time. If not, see the Build Manual to RECALIBRATE THE ESCs. (last page).

Apply very slight throttle so that the drone begins to lift. Then make adjustments if needed with the right joystick to compensate for those tendencies. If it seems the drone wants to tilt forward, then make a minor correction back with the right joystick before applying throttle again. Likewise, if the tendency is to tilt left or right, make a slight adjustment with right joystick before applying throttle again. Be prepared to drop the throttle to minimum if a flip is imminent. Once the right joystick adjustments have been made, apply more throttle to attempt to get the drone in the air.

Once airborne, see how the drone reacts in the air. If it appears to drift, adjust the appropriate TRIM buttons, taking into account any wind effect.

There are many options in the Flight Controller settings. Review the manual and determine if any value changes are needed. Check out the links in the Support page for further help.

<http://dronecurriculum.net/support/>

You might try using 8-inch props (#8045). Sometimes, 8-inch props make the drone a bit easier to fly. You can find them on Amazon:

[https://www.amazon.com/RAYCorp-8045-8-Inches-Propellers-Black/dp/B01B1GOYK8/ref=sr\\_1\\_1\\_sspa?crd=1LT8EV3SXJEL4&keywords=8045+propeller&qid=1559651234&s=gateway&sprefix=8045%2Cbeauty%2C194&sr=8-1-spons&psc=1](https://www.amazon.com/RAYCorp-8045-8-Inches-Propellers-Black/dp/B01B1GOYK8/ref=sr_1_1_sspa?crd=1LT8EV3SXJEL4&keywords=8045+propeller&qid=1559651234&s=gateway&sprefix=8045%2Cbeauty%2C194&sr=8-1-spons&psc=1)