

1. Environmental Considerations

- a. Always fly at locations that are clear of building and other obstacles
- b. DO NOT fly above or near large crowds
- c. Never fly at altitudes above 400 feet
- d. Fly in moderate weather conditions with temperatures between 32 degrees F and 104 degrees F

2. Pre-flight Checklist

- a. Ensure the remote controller and aircraft batteries are fully charged
- b. Ensure propellers are in good conditions and securely tightened
- c. Ensure there is nothing obstructing the motors
- d. Only calibrate the compass before each flight
- e. Ensure that app and aircraft's firmware have been upgraded to the latest version

3. Operation

- a. Don't distract the Flyer
- b. Always keep hands on remote controller as long as motor is spinning
- c. Stay away from the rotating propellers and motors while in motion.

Drone Storage

Must always be in transportation mode (landing gear up) when being stored in a case.

General Flight Guidelines

- 1. Weather Conditions -No flight over 20 mph winds
- 2. Batteries charged
- 3. Flight location - Known surroundings
- 4. Have all equipment -IPad, cables, charger
- 5. Check propellers -Correct installation
- 6. Calibrate drone every flight -compass
- 7. 400 feet height maximum
- 8. Don't lose sight
- 9. In town -1,000 feet
- 10. In field -1 mile maximum
- 11. Landing gear out at 6 feet above ground
- 12. Go slow

FAA Guidelines

Fly for Fun	Fly for Work	
Pilot Requirements	No pilot requirements	Must have Remote Pilot Airman Certificate Must be 16 years old Must pass TSA vetting
Aircraft Requirements	Must be registered if over 0.55 lbs.	Must be less than 55 lbs. Must be registered if over 0.55 lbs. (online) Must undergo pre-flight check to ensure UAS is in condition for safe operation
Location Requirements	5 miles from airports without prior notification to airport and air traffic control	Class G airspace*
Operating Rules	Must ALWAYS yield right of way to manned aircraft Must keep the aircraft in sight (visual line-of-sight) UAS must be under 55 lbs. Must follow community-based safety guidelines	Must keep the aircraft in sight (visual line-of-sight)* Must fly under 400 feet* Must fly during the day* Must fly at or below 100 mph* Must yield right of way to manned aircraft* Must NOT fly over people*

	Must notify airport and air traffic control tower before flying within 5 miles of an airport	Must NOT fly from a moving vehicle*
Example Applications	Educational or recreational flying only	Flying for commercial use (e.g. providing aerial surveying or photography services) Flying incidental to a business (e.g. doing roof inspections or real estate photography)
Legal or Regulatory Basis	Public Law 112-95, Section 336 – <i>Special Rule for Model Aircraft</i> FAA Interpretation of the Special Rule for Model Aircraft	Title 14 of the Code of Federal Regulation (14 CFR) Part 107