

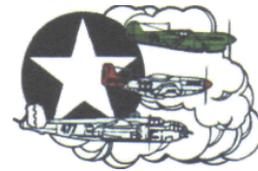


TUSKEGEE AIRMEN, INC.

Gen. Daniel "CHAPPIE" James, Jr. Chapter

[www.TAI-CFL.org](http://www.TAI-CFL.org)

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## General Rules

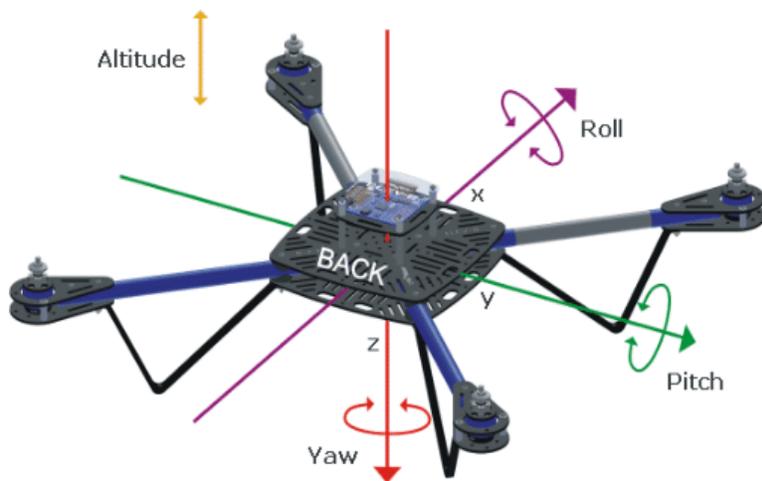
1. Only Fly in Good Weather
2. Observe Your **Line of Sight** - Always fly in an area where you are able to see your drone at all times.
3. Steer Clear of **Airports**
4. Watch Out For Any Interference - Be aware of how physical and electromagnetic sources of interference could affect your ability to control your unmanned aircraft.
5. Do NOT Fly Above People
6. Do NOT Fly Above **400 Feet**
7. Do NOT Fly Above Major Roads
8. Do NOT Fly Above Military Bases

## FAA Regulations

Recreational Flying - requires the drone to be REGISTERED and **ONE** of the following

1. "The Recreational UAS Safety Test" (TRUST) certificate  
**\*\* or \*\***
2. Part 107 Commercial License  
**\*\* or \*\***
3. Under the supervision of a TRUST holder or Part 107 License holder

Flying for money - Must have Part 107 License and Registered Drone



### Mavic Mini Controller

Left Knob

- Up and down controls altitude
- Left and right controls yaw

Right Knob

- Up and down controls forward pitch
- Left and right controls roll

Left top trigger finger button

- Video record

Left bottom trigger finger scroll

- Camera gimbal

Right trigger finger button

- Camera photo

## Drone Relay Race

Teams of at least 3

Takeoff, Fly, and Land drone on distant landing pad

Pass controller to teammate

Repeat until all team members have flown - First team to make the final landing first **WINS!**



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### WEATHER & SITE SAFETY CHECK

- Chance of precipitation less than 10%
- Wind speed **under 15 knots** (less than 20 mph)
- Cloud base at least **500 feet**
- Visibility at least 3 statute miles (SM)
- If flying at dawn / dusk, double-check civil twilight hours
- Establish take-off, landing, and emergency hover zones
- Potential for electromagnetic **interference?**
- Look for towers, wires, buildings, trees, or other obstructions
- Look for **pedestrians and/or animals** and set up safety perimeter if needed
- Discuss flight mission with other crew members if present

### VISUAL AIRCRAFT / SYSTEM INSPECTION

- Registration number is displayed properly and is **legible**
- Look for abnormalities—aircraft frame, propellers, motors, **undercarriage**
- Look for abnormalities—gimbal, camera, transmitter, payloads, etc.
- Gimbal clamp and lens caps are **removed**
- Clean lens with microfiber cloth
- Attach propellers, battery/fuel source, and insert **SD card** / lens filters

### POWERING UP

- Turn on the remote control and open up DJI app
- Turn on aircraft
- Verify established **connection** between transmitter and aircraft
- Position antennas on transmitter toward the sky
- Verify display panel / FPV screen is functioning properly
- Calibrate Inertial Measurement Unit (IMU) as needed
- Calibrate compass before every flight
- Verify **battery / fuel** levels on both transmitter and aircraft
- Verify that the UAS has acquired **GPS** location from at least six satellites

### TAKING OFF

- Take-off to eye-level altitude for about **10-15 seconds**
- Look for any imbalances or irregularities
- Listen for abnormal sounds
- Pitch, roll, and yaw to test control response and **sensitivity**
- Check for electromagnetic interference or other software **warnings**
- Do one final check to **secure** safety of flight operations area
- Proceed with flight mission