

**FLYBY
GUYS**



Drone Pre-Flight Checklist

Pilot & Flight Details

Pilot in Command (PIC): _____

Visual Observer / Spotter: _____

Date / Location: _____

Nearest ATC / Contact Frequency: _____

Airspace: ☐ Controlled ☐ Uncontrolled ☐ Restricted ☐ BVLOS

1. Administrative & Planning

- ☐ Flight plan filed / authorization approved (LAANC / UTM / NOTAMs checked)
- ☐ Airspace and geofencing confirmed clear (via DJI Fly, OpenSky, or equivalent)
- ☐ Remote ID active and broadcasting correctly
- ☐ Mission objective, area, and hazards briefed with all crew
- ☐ Emergency procedures reviewed (loss of signal, flyaway, incursion, etc.)
- ☐ Weather check (wind, visibility, temperature, precipitation, ceiling)
- ☐ Risk assessment completed (terrain, people, obstacles, EM interference)

2. Equipment Inspection

- ☐ Airframe and landing gear condition good (no cracks, damage, or dirt)
- ☐ Propellers secure and undamaged
- ☐ Motors free of debris and spin smoothly
- ☐ Gimbal and camera move freely, lens clean
- ☐ Payload secure
- ☐ Batteries charged $\geq 95\%$, no swelling/damage, properly seated
- ☐ Controller charged, device connected, firmware up to date
- ☐ SD card installed and formatted
- ☐ Volume and brightness adequate

3. Pre-Flight Power-Up

- ☐ Drone power ON → Controller ON → App ON
- ☐ Confirm: No warnings or errors
- ☐ GPS lock (minimum 10 satellites)
- ☐ Compass & IMU calibration OK
- ☐ Return-To-Home (RTH) point updated and altitude set
- ☐ Max altitude set (per airspace rules)
- ☐ Camera settings adjusted (ISO, shutter, WB, format)
- ☐ Take-off area clear, people notified
- ☐ Weather within limits
- ☐ Hover test stable, no drift, no warnings

4. In-Flight Monitoring

- ☐ Maintain VLOS (visual line of sight)
- ☐ Monitor telemetry: battery %, altitude, distance, speed, signal
- ☐ Observe surroundings and other air traffic
- ☐ Maintain situational awareness and airspace compliance
- ☐ Respond to warnings promptly (wind, obstacle, GPS loss, etc.)

5. Landing & Post-Flight

- ☐ Select safe, clear landing zone
- ☐ Verify satellites >10
- ☐ Hover check before touchdown
- ☐ Land smoothly; motors stopped
- ☐ Power down drone → controller → app
- ☐ Inspect drone for post-flight damage
- ☐ Record flight time, battery use, and notes

Emergency Actions

- Loss of control / signal: Maintain VLOS if possible, wait for RTH activation, avoid people and property.
- Low battery: Return to home immediately if under 25%, land safely if under 15%.
- Flyaway / crash: Mark GPS coordinates, secure area, check for injuries, report to authority if required (FAA / CAA / police).

Notes / Signatures: _____