

Pre-Flight Checklist

Equipment Inspection

- _____ The drone frame is free of cracks or other visible damage.
- _____ The battery has no swelling, punctures, or other visible damage.
- _____ Verify all propellers are not cracked or chipped.
- _____ All motors spin freely.
- _____ Propeller guards or ducts are installed, completely surround props, and are in good condition.
- _____ The drone weight (not including batteries) is less than 80 grams.
- _____ Disarm switch on the transmitter is clearly identified with red heat-shrink tubing or red PVC tape.

Site Prep

- _____ All doors entering the planned flight area have been closed.
- _____ Individuals in rooms where doors open into the hallway have been informed of the planned drone flight.
- _____ "CAUTION - DRONES MAY BE OPERATING IN THIS AREA" signs have been posted on all doors entering the planned flight area.
- _____ Visual Observer (VO) is positioned to have a full view of the flight area.
- _____ The pilot is oriented in a seated position.
- _____ The flight path has been planned, approved by the adult advisor, and communicated to the Visual Observer (VO).

Before Takeoff

- _____ Turn on the controller/transmitter and ensure the arm switch is in disarmed position.
- _____ Turn on Goggles.
- _____ Secure the battery in straps/battery holder, plug in aircraft, place on a level surface, and allow flight controller boot to take place undisturbed for 5 seconds.
- _____ If multiple aircraft are in the area, move your aircraft and verify FPV feed on goggles moves accordingly to confirm it is your aircraft (also look at the aircraft name on OSD).
- _____ Verify OSD voltage shows the charged state of your battery.
- _____ Verify flight mode switch is in the correct position (horizon, angle, rate/acro, etc.)
- _____ Pilot/VO: Place aircraft on the launchpad.
- _____ While line of sight (goggles off), Announce "Arm Test" and proceed to arm the aircraft, ensure props spin, and then disarm.
- _____ When ready for actual flight, whether line of sight or FPV, Pilot says "Ready for takeoff", VO responds with "Area clear". Pilot responds with "arming and taking off" when ready.

