



PREFLIGHT CHECKLIST

ENVIRONMENTAL

- Check for people, animals, property in the flight vicinity.
- Notify any bystanders or nearby property owner of your intentions.
- If flying FPV, discuss flight plan with your check-pilot.
- If flying in controlled airspace, notify airspace authority of your intentions.
- First Aid / Safety Kit on hand, stocked, readily accessible, and visible to anyone in the area

HARDWARE / EQUIPMENT

VISUALLY INSPECT THE AIRFRAME

- Cracks (especially in high stress areas like joints).
- Loose or damaged screws / fasteners / bands / straps / ties
- Loose or damaged wiring.
- Loose or damaged connections (solder, plugs, etc).
- Inspect prop mounts & screws & apply slight counter pressure on arms to check for loosened construction.
- For FPV, inspect/clean FPV and/or Gopro camera lens and ensure that cameras are secured.
- Battery/batteries fully charged, properly seated & secured.
- Remove props and test fail-safe behavior (if applicable).
- Props are smooth and free of damage/defect (check blade, surface, & hub).
- Tighten prop adapters (careful not to over tighten which may damage prop).
- Ensure voltage alarm is connected.
- Ensure arming/idle timeout is properly configured (6-15 seconds is generally acceptable).
- Check whether the right model is selected in the transmitter (if applicable).
- Check your RC transmitter shows the right range and centering for all sticks.
- If desired, perform range test.

PRE-FLIGHT

POWER UP

- Batteries charged & secured.
- Position quad in a level, safe location for takeoff.
- For FPV, power up ground station, video receiver, goggles, etc.
- If using onboard video recorder (i.e., Gopro), turn on camera.
- All transmitter controls move freely in all directions.
- All transmitter trims in its neutral position.
- All transmitter switches in correct position (typically away).
- Transmitter throttle to zero.
- Radio transmitter on.
- Connect/power on battery to airframe.
- Ensure led indicators & audible tones are all correct.
- Timer on (if applicable).
- For FPV, check video in goggles.
- Scan for nearby people or animals.
- Stand clear - audibly, loudly announce the word "CLEAR!"
- Arm flight controller.

PRE TAKEOFF

- Increase throttle slightly listening for any abnormalities.
- Short 20-30 second hover at 3-5 feet (listen for any weird vibrations or anything that sounds loose).