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)