

# PRE-FLIGHT CHECKLIST

## WEATHER CONDITION

- Make sure the wind speed is less than 30mph or 1/3rd of drone's max speed
- Make sure minimum visibility is more than 3 miles (source: FAA)
- Make sure there is no unusual precipitation in the air.

## LEGAL

- Make sure your drone is registered with the FAA
- Make sure the registration number is visible on the outside of the drone
- Make sure you have your commercial drone licence on site with you (if flying commercially)
- Make sure the area is not restricted for drone takeoff
- If flying in the airport vicinity, make sure you have proper authorisation

## PHYSICAL INSPECTION

- Check the drone for any visible structural damage
- Check all propellers are tightly screwed in and are not loose.
- Check all motors are firmly attached to the arms.
- Check if the camera gimbal is properly attached and the protective cover is removed
- Check all indicator lights are working (specially if going for a night time flight)
- Check and secure any additional payload attached.
- In case of detachable landing gears make sure they are attached securely.

## SOFTWARE & CALIBRATION

- Check for any firmware update for both the drone and controller
- Position the antennas correctly and check signal strength
- Make sure your compass is correctly calibrated (refer to your drone manual for specific instructions)
- Make sure your GPS is connected and receiving signals (refer to your drone manual for specific instructions)
- Calibrate your IMU (refer to your drone manual for specific instructions)
- Set your current position as "home" for RTH feature to correctly work
- Set your max flight altitude to below 400 feet as mandated by FAA.

# PRE-FLIGHT CHECKLIST

## POWER CHECK

- Make sure your drone batteries are fully charged
- Make sure your controller batteries are fully charged
- Make sure the drone battery compartment is securely closed

## BEFORE LAUNCH

- Make sure drone is on a level ground
- Make sure there is no obstruction around or above the drone
- Make sure the FPV feed is connected to mobile App
- Make sure controller is connected to the drone

## MID-FLIGHT

- Make sure your drone is always in line of sight
- Make sure you remain below max altitude of 400 ft from ground level
- Make sure you don't fly your drone directly over people
- Make sure your max speed is less than 100 mph.
- Keep an eye on battery level



*Fly Responsibly*