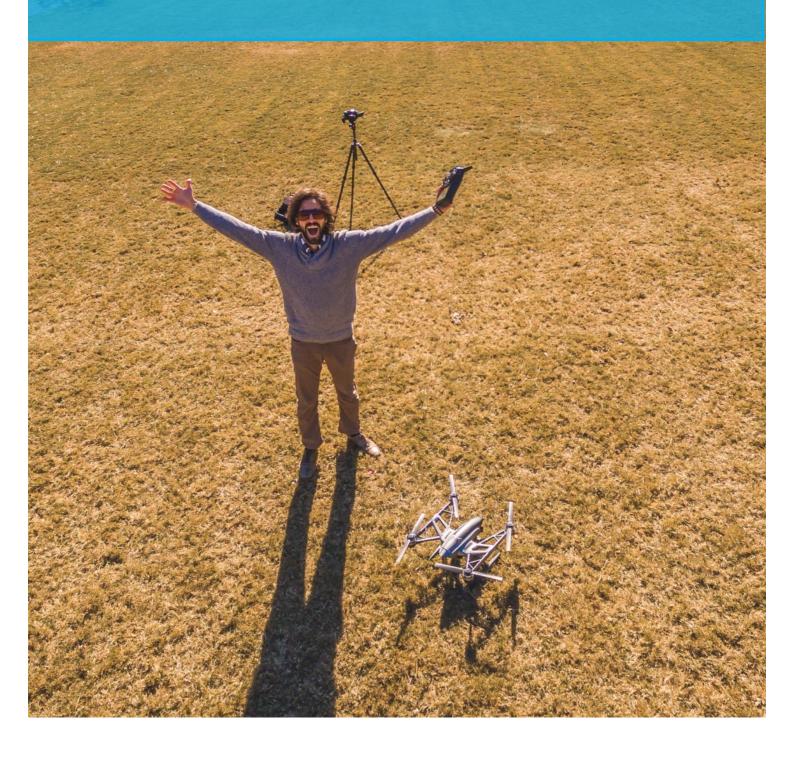
PRE-FLIGHT CHECKLIST FOR NEW UAV PILOTS





Flight Environment

- ✓ How high are you flying?
- ✓ Are you flying near an airport, and do you need to let Air Traffic Control know of your flight plan?
- ✓ Do you have permission from the property owner if you're flying over private land?
- ✓ Have you surveyed your surroundings, looking for people, animals, buildings, etc.?
- ✓ Avoid inclement weather. Fly in winds under 10-15 mph (or 15-25 kph). Avoid precipitation.



Equipment

- ✓ Have you inspected your hardware for any loose or damaged wiring, for cracks, for damaged connections, etc.?
- ✓ Have you cleaned the lenses of your camera, your monitor, your FPV goggles, etc.?
- ✓ Are your batteries fully charged and seated/secured properly?
- ✓ Is your transmitter calibrated, showing the right range and centering for all sticks? Is the right model and mode selected, and are there any other calibrations you need to do?



Powering Up

- ✓ Are you taking off from a safe, level location, free of any metal like the roof of your car?
- ✓ If you're flying FPV, turn on your ground station, video receiver, goggles, etc.
- ✓ Turn on your camera.
- ✓ Put your transmitter trim in a neutral position and make sure your controls move freely—make sure your throttle is at zero.
- ✓ Turn on your transmitter.



Powering Up

- ✓ Connect your battery and power up your airframe.
- ✓ Verify your LED indicators
- ✓ If flying FPV, check your video feed
- ✓ Ensure there are no frequency conflicts.
- ✓ Run any other pre-flight checks as recommended by your specific unmanned aerial system.
- ✓ Stand clear and arm your radio controller.



Taking Off

- ✓ Position the aircraft nose forward (facing away from you).
- ✓ Slowly increase your throttle to take off.
- ✓ Hover at eye level for 10-15 seconds.
- ✓ Yaw left and right as you listen for any abnormalities—anything that sounds loose, and weird vibrations, etc.
- ✓ Fly safe! Keep a direct line-of-sight and use a spotter if necessary.
- ✓ Monitor your battery usage and start returning to your landing zone with 25% battery remaining.

