

Event Facility General Flight Rules

CNY Drones @ RoboSpartans Robotics

1. All drones, regardless of size, MUST ONLY be flown in the main netted area or small netted demo area(s).
2. Under NO circumstances should you energize your drone outside of the netted area with propellers attached.
 - a. If you must energize your drone outside of the netted area, you MUST have the props removed.
 - b. If you cannot remove the props, then you may ONLY energize the drone inside the netted area.
3. In general, only one participant with a drone is permitted to use the main netted area at a time.
 - a. Exceptions to this rule will be determined by the event management staff.
4. Usage of the main netted area is on a sign-up basis when not in use for other purposes.
 - a. There is a sign-up sheet at the Drone Staging area.
 - b. Please sign-up to use the netted area, using a separate row for each drone you intend to fly.
 - c. If others are in line waiting to use the netted area, flight time will be limited to 5 minutes per individual, not per drone.
 - d. Please be courteous and reasonable when signing up to use the main netted area as the event time is limited.
5. In general, only the drone pilot will be permitted inside the main netted area during flight.
 - a. Exceptions:
 - i. FPV: Pilots should have a spotter/visual observer with them inside the netted area.
 - ii. Buddy Box or Instruction: One instructor pilot and one student may be inside the netted area during flight.
 - iii. Photography: Photographers who would like to shoot inside the netted area during flight, please speak with the Staging Area staff for instructions.
6. Usage of the main netted area will be subject to a quick drone safety inspection.
 - a. This will only be a basic look-over to catch some of the most common issues.
 - b. A thorough pre-flight check and inspection is still the responsibility of the pilot.
 - c. Please ensure an inspection is accomplished by someone from the Drone Staging team when signing up to use the netted area.
 - d. Items checked during inspection include:
 - i. Correct prop installation
 - ii. Basic structural integrity
 - iii. Secure mounting of batteries & other components
7. We may need to terminate a flight at any time for a variety of reasons.
 - a. Please immediately follow any instructions given by the Drone Staging Team.
 - b. Reckless flying (such as repeatedly flying into the net/walls/ceiling/fixtures or flying in a manner that might endanger individuals inside the netting) will be cause for the Drone Staging Team to terminate a flight and forfeit that pilot's time flying.

8. Most FPV video transmission technologies are subject to severe interference if multiple people use the same band/channel at the same time.
 - a. Such interference can easily cause crashes.
 - b. Pilots flying FPV must indicate their video transmitter frequency, band and channel on the sign-up sheet.
 - c. See information below regarding video transmission.
 - d. Those pilots not currently flying, including those in the smaller netted areas:
 - i. Please check with the Drone Staging Team before energizing an FPV transmitter outside the netted area for any reason to avoid interference with the pilot(s) in the netted area.

9. Tips & Pointers
 - a. When energizing a drone, always follow the correct procedure:
 - i. RC Radio ON
 - ii. Drone ON
 - iii. Drone OFF
 - iv. RC Radio OFF
 - b. Remember that the event is held in an indoor environment.
 - i. Pilots should be familiar with any failsafe settings on their drone(s) and ensure that the settings are appropriate for an indoor environment.
 - ii. Generally, we do not allow use of GPS navigation features during events.
 - iii. If a drone has autopilot or a flight controller that has GPS stabilization or navigation features, be advised that GPS functionality is significantly degraded inside certain building environments.
 - c. Drone owners who allow someone else to pilot their drone(s) are doing so at their own risk.
 - i. Be familiar with a pilot's skill level when allowing use of any drone.
 - d. **No permission has been granted to fly outside the event building on venue property unless otherwise specified by event staff.**

