

Indoor Safety Guidelines

Flying drones indoors should be done in a safe manner. Flying a drone indoors has several risks such as flying into people, pets, furniture, ceilings and floors. Every drone functions differently so review the manuals to look for any specific requirements that the manufacturer has set forth for indoor flight.

- (1) Fly drones specifically designed to be flown indoors.
- (2) The smaller the better: Gain prior experience by flying smaller (nano-drones or micro-drones) or toy models before moving on to mid-sized drones.
- (3) For mid-sized and larger drones it is recommended to have UAS systems that have indoor positioning systems or obstacle avoiding drones especially in furnished rooms in a home or apartment.
- (4) Don't fly large drones such as FPV or Phantom Size drones indoors for competitions or demos unless you have considerable experience.
- (5) Avoid flying close to walls: The flow of air is impeded as one gets closer to a wall, which affects lift.
- (6) Avoid flying too close to ceilings or the floor
- (7) Typically fly halfway between the ceiling and the floor to counter any changes in the altitude up or down during operation.
- (8) Fly microdrones with optional propellers which will allow them to bump into walls or ceilings without crashing.
- (9) Dial down controls: Make sure that you are flying at the absolute minimum speed for the drone and watch altitude climbing closely.
- (10) Use indoor hulls when flying indoors: Some drone systems have indoor hulls which are placed on spinning rotor blades to not only protect drones from impact but animals, furniture and people.
- (11) Read any guidelines in the drone's manual with regards to precautions to take indoors
- (12) Secure pets and animals within the area.
- (13) If you are flying within a public space post notices and markers indicating area of flight.
- (14) Move, rearrange or remove furniture from the room to ensure that drone's flight path is not impeded.

Sources:

(1) Tips for flying your drone indoors, Mark LaFay:

URL <<http://www.dummies.com/consumer-electronics/drones/tips-for-flying-your-drone-indoors/>>

(2) Tips for Indoor Drone Flying

URL <<http://www.droneflyers.com/tips-for-indoor-drone-flying/>>

(3) Should you fly your drone inside?

URL <<http://500below.com/fly-drone-inside/>>

Additional Links:

<http://www.lemondronc.com/tips/6-safety-tips-flying-drone-indoors/>

<http://www.droneguru.net/12-tips-for-safely-and-successfully-flying-drones-indoors/>