

# Flight Checklist

## Skydio X10

Environment	
	Wind gusts are below 28 mph (45 km/h)
	Temperatures are greater than -4°F (-20°C) and less than 113°F (45°C)
	Heavy dust or moderate/heavy precipitation is not present <i>(Skydio X10 is IP55 rated and the Skydio X10 Controller is IP54 rated)</i>
	Flight follows all FAA and country-specific civil aviation authority regulations, as well as local, state and federal laws and regulations
X10 Preflight	
	Remove X10 and battery from case
	Inspect the battery <i>(Fully charged, connector pins free of debris and damage)</i>
	Inspect X10 <i>(Chassis, sensor package, and props free of damage, clean cameras, seal USB-C and microSD slots)</i>
	Insert the battery <i>(Align with rails, slide toward sensor package, completely seat before flying)</i>
	Power on X10 <i>(Press and hold the Power button for 3 seconds)</i>
	Unfold the rear arms, followed by the front arms <i>(Pull rear arms laterally away from chassis, push the front arms down and forward)</i>
	Place X10 on a stable surface and prepare for launch

Controller Preflight	
	Remove the Skydio X10 Controller from the case
	Power on <i>(Press and hold the Power button for 5 seconds, verify full charge and paired with drone)</i>
Launching	
	Set/verify Return and Lost Connection Behaviors
	Set up Live Stream (optional) <i>(If flying over 5G cellular, X10 automatically live streams)</i>
	Place X10 on a stable surface <i>(Leave about 10 ft, 3 m clearance in all directions)</i>
	Select Fly Now
	Launch <i>(Drag on-screen slider or press and hold the button on the controller, X10 will rotate 360° to calibrate)</i>
Returning and Landing	
	Select the on-screen Return/Land button or press the button on the controller
	Choose your return location or land in place <i>(Select from Launch Point, Pilot, or Home Point if previously set on the map)</i>
	Drag the on-screen slider or press and hold the Launch/Land button on the controller <i>(Ensure landing area is stable and free of debris or obstacles)</i>
	Ensure propellers stop spinning before approaching
	Power off <i>(Wait for all postflight tasks to complete before powering off)</i>

Hand Launching	
	Ensure there is clearance above and in front of you
	Hold the drone away from you with the sensor package facing away from your body <i>(Lightly grip battery, hold drone level and steady, keep fingers away from props)</i>
	Launch <i>(Press and hold button on the controller, slowly relax your grip, do not push or throw the drone)</i>
Hand Landing	
	Position X10 above a clear area so that you can move underneath it <i>(Sensor package facing away from you, extend your arm away from your body)</i>
	Initiate landing <i>(X10 descends vertically, lights will turn yellow when obstacle avoidance is off)</i>