Preflight, Launch, and Return 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 *(X10 and Controller 2 are IP55 rated; X10 Controller is IP54 rated)*
	Flight complies with local civil aviation authority regulations and laws *(For example, the FAA in the United States)*
	Airspace checked for restrictions *(For example, TFRs and NOTAMs in the United States)*
	Flight area scanned for hazards *(Power lines, wires, thin branches)*

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X10 Preflight	
	Remove X10 and battery from case
	Inspect the battery *(Fully charged; pins, casing, and rails free of debris and damage; do not fly if still swollen after 1 hour cooling)*
	Inspect X10 *(Chassis, props, motors undamaged; gimbal stabilizer clip removed; sensor package undamaged and moves freely; cameras clean; ports sealed)*
	Insert the battery *(Align with rails, slide toward sensor package, completely seat before flying)*
	Unfold the rear arms, followed by the front arms *(Pull rear arms laterally away from chassis, push the front arms down and forward)*
	Power on X10 *(Press and hold the Power button for 3 seconds)*
	Place X10 on a stable surface and prepare for launch
Controller Preflight	
	Remove the controller from the case
	Power on *(Controller 2: open lid, hold Power 3 s; X10 Controller: hold Power 5 s)*
	Verify full charge and paired with drone *(Controller 2: press and release Power to show charge)*

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	Launching
	Set/verify Return and Lost Connection Behaviors
	Verify control mode and Height Ceiling *(Mode 2 by default)*
	Set lights for mission and environment *(Strobes on in low light)*
	Set up Live Stream (optional) *(Global Settings > Sharing > Live Stream; automatic over 5G or Fusion with Drone 5G Radio on)*
	Set NightSense mode (low light, attachments installed) *(NightSense quick action: Auto (default), On, or Off; top speed 18 mph (8 m/s) while on)*
	Place X10 on a stable surface *(Leave about 10 ft (3 m) clearance in all directions)*
	Select **Fly Now**
	Launch *(Drag on-screen slider or press and hold the Launch/Land button, X10 will rotate 360° to calibrate)*
	Point the controller antennas toward the drone *(Skydio Connect SL only)*
	Hand Launching (Alternative)
	Conditions allow a hand launch *(Not in low light (with or without NightSense), precipitation, high winds, or with Parachute enabled; avoid bulky attachments such as Fusion+)*
	Ensure there is clearance above and in front of you *(Stand with your back to the wind)*
	Hold the drone away from you with the sensor package facing away from your body *(Lightly grip battery, hold drone level and steady, keep fingers away from propellers)*
	Launch *(Press and hold the Launch/Land button, slowly relax your grip, do not push or throw the drone)*

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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 *(Select from Home Point (if set), Launch Point, or Pilot)*
	Drag the on-screen slider or press and hold the Launch/Land button on the controller *(Ensure landing area is stable and free of debris or obstacles)*
	Ensure propellers stop spinning before approaching
	Power off *(Wait for all postflight tasks to complete before powering off)*
Hand Landing (Alternative)	
	Position X10 above a clear area so that you can move underneath it *(Back to the wind, sensor package facing away from you, extend your arm away from your body)*
	Initiate landing *(Descends vertically; below about 13 ft (4 m) lights flash yellow, obstacle avoidance off)*

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