

Drone Pre-Flight Detailed Checklist

Category	Check Item	Check Details & Notes	Status
Pre-Flight Preparation	Weather Check	Ensure no rain, wind speed is suitable (typically less than 15-20 mph), visibility meets FAA standards (over 3 miles).	[]
	No-Fly Zone Check	Ensure flight path does not intersect with any no-fly zones. Use tools like AirMap to verify legality.	[]
	Interference Check	Check for mobile/radio towers, electrical wires, or metal objects in the area.	[]
	Obstacle Check	Ensure take-off and flight path are free from obstacles (trees, power lines, etc.).	[]
	People Check	Ensure there are no people or animals in the flight area.	[]
	Temperature Check	Verify the temperature is within the drone's operational limits (typically -10°C to 40°C).	[]
Equipment Check	SD Card Check	Ensure the SD card is correctly inserted, formatted, and has sufficient space for flight data.	[]
	Sensor Cleaning	Check and clean all vision and infrared sensors to ensure no dirt or smudges affect performance.	[]
	Take-off Pad Check	Ensure the drone is on a level surface for take-off.	[]
	Gimbal Cover Check	Remove the gimbal cover to ensure it's free to move without obstruction.	[]
	Battery Check	Insert a fully charged battery and ensure you hear the audible click. Check battery health (no swelling or damage).	[]
Control System Check	Turn on Drone	Ensure there are no obstacles blocking the drone's gimbal and confirm the battery is securely inserted.	[]
	Turn on Controller	Ensure the controller's battery is charged and ready for use.	[]
	Connect App	Connect your phone/tablet to the controller and make sure the drone connects to the app.	[]
Software & Firmware Check	Firmware Update Check	Download and install any required firmware updates to ensure compatibility and optimal performance.	[]
	Error Message Check	Address any error messages displayed by the system to ensure the drone starts without issues.	[]
Flight Preparation	GPS Mode Check	Ensure GPS is properly connected and the home point is recorded.	[]
Propeller Check	Propeller Installation Check	Ensure all propellers are properly installed and check for damage or looseness.	[]
Pre-Flight Testing	Hover Test	Take off and hover for 1 minute to check for any abnormalities (vibrations, instability, etc.).	[]
Flight Confirmation	Ready to Fly	Once all checks are complete, confirm the drone is ready for flight.	[]