



SMART DRONE ACADEMY

DRONE MAINTENANCE CHECKLIST

PRE-FLIGHT CHECKLIST		POST-FLIGHT CHECKLIST	
<input type="checkbox"/>	1. Aircraft Frame Inspect for cracks, loose screws, or damage.	<input type="checkbox"/>	1. Aircraft Frame Inspect for any new damage or loose parts.
<input type="checkbox"/>	2. Propellers Check for cracks, chips, or deformities. Ensure securely attached.	<input type="checkbox"/>	2. Propellers Check for wear or damage. Replace if necessary.
<input type="checkbox"/>	3. Motors Spin motors by hand to check for smooth operation.	<input type="checkbox"/>	3. Motors Check for debris. Spin to ensure smooth operation.
<input type="checkbox"/>	4. Gimbal & Camera Check for secure mounting and smooth movement. Clean lens.	<input type="checkbox"/>	4. Gimbal & Camera Remove debris. Clean lens and check for smooth movement.
<input type="checkbox"/>	5. Battery Ensure fully charged and in good condition. Check for swelling or damage.	<input type="checkbox"/>	5. Battery Check battery temperature. Store at recommended charge level.
<input type="checkbox"/>	6. Battery Contacts Inspect for dirt, corrosion, or debris. Clean if necessary.	<input type="checkbox"/>	6. Battery Contacts Clean contacts and remove any moisture or debris.
<input type="checkbox"/>	7. SD Card Ensure card is inserted properly and has sufficient space.	<input type="checkbox"/>	7. SD Card Safely remove card. Back up data and reformat if needed.
<input type="checkbox"/>	8. Firmware Verify aircraft, battery, remote, and gimbal firmware are up to date.	<input type="checkbox"/>	8. Firmware & Logs Review flight logs for any errors or warnings.
<input type="checkbox"/>	9. Remote Controller Check battery level. Inspect antennas and control sticks.	<input type="checkbox"/>	9. Remote Controller Power off. Store properly and inspect for damage.
<input type="checkbox"/>	10. Flight App & Settings Confirm correct settings, home point, and no flight restrictions.	<input type="checkbox"/>	10. Clean Aircraft Remove dirt, dust, or moisture from aircraft.
<input type="checkbox"/>	11. Environment Check weather conditions, wind, and surrounding area for hazards.	<input type="checkbox"/>	11. Storage Store aircraft and batteries in a safe, dry place.
<input type="checkbox"/>	12. Return to Home (RTH) Set RTH altitude and confirm RTH function is working.	<input type="checkbox"/>	12. Maintenance Notes Record any issues, repairs, or parts replaced.

NOTES: _____

