



Universal Aerial Solutions

## PRE-FLIGHT CHECKLIST

<b>Pilot in Command:</b>	<b>FAA Reg. No.:</b>	<b>Date:</b>
<b>Observer (Optional):</b>	<b>Location:</b>	
<b>UAS Model:</b> DJI AGRAS MG-1P		

**Purpose of flight** (check 1): ☐ Recreation ☐ Commercial<sup>(1)</sup> ☐ SAR<sup>(2)</sup> ☐ Other (Describe):

**NOTES:** (1) Commercial sUAS license required (2) Authorization by applicable authority required

**Authorization for flight in restricted airspace:** (required for flight in restricted airspace only, otherwise NA)

**Authorized by:** \_\_\_\_\_ **Title:** \_\_\_\_\_

### A. Pre-Start Checklist

**Important:** Complete all check list items in the order they are presented. If you cannot check off an item STOP! And correct the problem before continuing.

No.	Item	Acceptable Condition	Sat.
1	Airspace	Unrestricted airspace or flight authorized	
		Potential obstructions near intended flight path identified.	
2	Weather	Visibility $\geq 3$ miles/500ft., Wind $\leq 15$ mph, Precip. - None	
3	Wind Speed	Note Actual Speed	
4	sUAS Airframe/Props	No structural defects visible	
5	sUAS Battery	Sufficient for intended flight, not less than 75%	
6	Controller Battery	Sufficient for intended flight, not less than 75%	
7	Chemical Load	Fill to required quantities	
8	Observer	Present, briefed and ready (Only if designated, otherwise NA)	
9	Spray System	Test for proper pressure, plugged lines or leads	
10	Display Device	On	
11	Controller Power	On	
12	sUAS Power	On	
13	sUAS Status Lights	Flashing GREEN	
14	Field Mapping	Select task or map new field and upload to UAS	
15	Obstacle Mapping	Any possible obstacle should be mapped and uploaded	
16	Compass Calibration	Compass calibrated for current location	
17	Flight Mode Set to GPS	Controller mode switch in "M", display status GREEN - RTF	
18	Take-Off Location	Clear for $\geq 25$ ft. radius, no overhead obstructions	

### B. Motor Start Checklist

No.	Item	Acceptable Condition	Sat.
1	sUAS Motor Start	sUAS motors start and run at idle, no abnormal noise	
2	Home Point	Home Point Set	
3	Hover Check	Stable hold and proximity radar engaged	
4	Flight Telemetry	Telemetry normal (Bat, Alt, Dist., etc.)	

READY FOR FLIGHT

Notes:

## Landing/Post Flight Check List

### A. Landing Checklist

No.	Item	Acceptable Condition	Sat
1	Landing Location	Clear for $\geq 25$ ft. radius, no overhead obstructions	

### B. Post Flight Checklist

1	sUAS Power	Off	
2	Controller Power	Off	
3	Display Device Power	Off	
4	Camera Gimbal Lock	Installed	
5	Chemical Load	Remove any remaining chemical from tank and flush with water and soap if the next application is not in the next 30 minutes	

Notes: