

Please Note: These checklists were created to be used with Plant and Service Operation UAV - DJI Inspire 1. While many checklists have similar entries, this is designed for our operation / UAV. Please bear this in mind when you are creating your checklist(s) for your UAV make / model / operation criteria / operation...

UAV Checklist: UAV Name, Nickname, etc. Pre-flight (Field Ops)

Make & Model -- S/N: xxxxxxxx

FAA Registration: xxxxxxxx

Extra Tracking Information

✓	UAV Pre-flight Operations: Site
	01.00: Reverify batteries are charged:
	01.01: UAV -- Press once to check -- 4 indicators should be lit.
	01.02: RC -- Press once to check -- 4 indicators should be lit.
	01.03: Monitor -- Press once to check -- 5 indicators should be lit.
	02.00: Reverify Micro SD card is mounted...
	03.00: Reverify weather forecast...
	04.00: Reverify FAA related information...
	05.00: Pack & travel...
	06.00: Contacts (at least 30 minutes before flight):
	06.01: Local Control Tower -- if required...
	06.02: SIU DPS...
	06.03: Engr Svcs / PSO -- if required...
	07.00: Review site for necessary changes to flight plan...
	08.00: Prep UAV for operations:
	08.01: Place landing circle on ground...
	08.02: Flag area of operation...
	08.03: Unpack UAV...
	08.04: Mount blades -- red to red / white to white...
	08.05: Verify no damage...
	08.06: Mount Camera / Gimbal combination -- verify LOCKED...
	08.07: Place UAV on landing circle...
	08.08: Mount battery to UAV-- Do not power up at this time...
	08.09: Mount battery(ies) to monitor(s) (x2)...
	08.10: Attached monitor(s) to RC(s)...
	08.11: Power RC / monitor(s)...
	08.12: Power UAV...
	09.00: Verify Connection between UAV / Remote Control...
	10.00: Verify UAV Status...
	11.00: Verify Return-To-Home (RTH) setting is correct -- adjust as required...
	12.00: Calibrate Compass (see graphic below)...
	13.00: Spin UAV propellers to verify for balance...
	13.01: Replace if blade(s) appear unbalanced...
	14.00: Execute flight as discussed...

WARNING!!!

Verify correct Home-Point (HP) is set...
Verify / Set Return-To-Home (RTH) height...
Calibrate compass before commencing operations...
Monitor remaining flight time bar...

Inspire Compass Calibration Procedure:

Calibrating the Compass

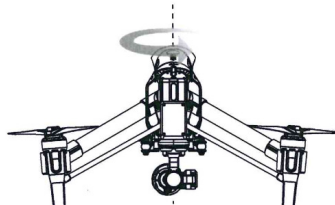
IMPORTANT: Make sure to calibrate the compass in every new flight location. The compass is very sensitive to electromagnetic interference, which can cause abnormal compass data leading to poor flight performance or even failure. Regular calibration is required for optimum performance.

- ⊗ • DO NOT calibrate your compass where there is a chance of strong magnetic interference, such as magnetite, parking structures, and steel reinforcements underground.
- DO NOT carry ferromagnetic materials with you during calibration such as keys or cellular phones.
- DO NOT calibrate beside massive metal objects.

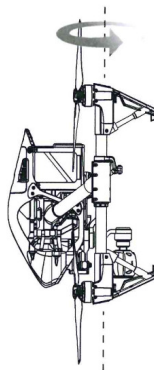
Calibration Procedures

Choose an open space to carry out the following procedures.

1. Ensure that the compass is calibrated. If you did not calibrate the compass as part of your pre-flight preparations, or if you have moved to a new location since the last calibration, tap Aircraft Status Indicator bar in the app and select "Calibrate", then follow the on-screen instructions.
2. Hold and rotate the aircraft horizontally 360 degrees, and the Aircraft Status Indicator will display a solid green light.



3. Hold the aircraft vertically with nose pointing downward, and rotate it 360 degrees around the center axis. Recalibrate the compass if the Aircraft Status Indicator show solid red.



⚠ If the Aircraft Status Indicator blinks red and yellow after the calibration, move your aircraft to a different location to carry out compass calibration.

⚙ Calibrate the compass before each flight. Launch DJI GO App, follow the on-screen instruction to calibrate the compass.

When to Recalibrate

1. When compass data is abnormal, and the Aircraft Status Indicator is blinking red and yellow.
2. When flying in a new location, or a location that is different from your last flight.
3. When the mechanical structure of the Inspire 1 has changed, i.e. changed mounting position of the compass.
4. When severe drifting occurs in flight, i.e. the Inspire 1 does not fly in straight lines.