

Preflight Inspection Checklist (Inspire 1)

Initial Inspection

- Inspect the props for defects, chips, cracks or stress fractures. Discard and replace any damaged props.
- Install props, secure prop locking mechanism. White dots correspond to the color on the motor posts.
- Attach camera, inspect camera to be sure it is secure
- Check the lens for smudges, wipe clean with a soft lens cloth if necessary.
- Inspect rubber gimbal cushions for tears, make sure they are secure.
- Check SD memory card, make sure it's clicked into place and that there is enough space on the card for your recordings.
- Visually inspect the battery for puffing. If the battery is puffed don't use it. A short press on the battery will reveal the charge level.
- Install the battery by sliding it into the Inspire 1 until it clicks securely into place.
- Select a launch location free of overhead obstructions
- Set the Inspire 1 on a landing pad or smooth surface. (Prevents camera gimbal from getting jammed by grass)

Power Up

- Connect tablet or smart device to the remote controller with a genuine Apple™ cable. Make sure the iPad has a sufficient charge.
- Power on the remote controller. Check the switch on the top left and make sure it is in the "P" for normal flying. You can select the "A" position if flying indoors and the "F" position for flight modes such as point of interest and waypoints.
- Start the "DJI Go" App and select the camera function.
- Power on the Inspire 1 with one short press and one long press on the battery. The Inspire should beep, warm up and in a few seconds you should see live video on the iPad screen.
- Check for GPS lock and wait for a green "safe to fly indicator"
- Insure power levels are sufficient to complete the mission. You should always begin flights with a fresh battery. Starting with half a charge could result in an unexpected power loss. (Note cold weather depletes the batteries faster.)
- Check video feed and telemetry

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Compass Calibration

- Do this if you have moved to a new launch location since the last calibration or you are prompted by the APP. (Not necessary for every flight.)
- Tap the top menu button in the DJI App
- Tap "Compass Calibration" and follow the instructions. (You should be clear from metal objects, or other possible sources of magnetic interference while calibrating. Rebar under a concrete pad can also cause magnetic interference).

Camera

- Once the aircraft is powered on, you should see a video signal on your viewing device. If video or telemetry is not visible, delay your flight until you can resolve the problem.
- Check the camera movement with the gimbal wheel on the top left of the remote.
- Adjust the exposure if necessary by using the wheel on the top left of the remote. When adjusting expose, turning the knob on the top right corner of the radio to the right will increase the exposure. "Right is bright." (If you activated the over exposure warning in the APP, the zebra lines will show on over exposed areas. It is normal to have about 10% of the screen showing zebra lines for most lighting conditions.)
- Take a test photo

Take Off!

- Check the area one more time for hazards, overhanging branches, power lines, cell towers, etc. Secure dogs which may react to the lights, sound and motion of the aircraft.
- Wait for GPS lock and "Safe to fly" indicator to appear on the top of the DJI Go App.
- Hover at eye level to check for any unusual vibrations

Pilot in Command: _____

Date: _____ Time: _____