Drone Maintenance Checklist

Need some guidance for checking up your drone, maintaining battery health, transporting your drone properly etc.? This checklist can help you maintain your drone and avoid unnecessary failures as drone maintenance is key to your flight safety.



Visual Inspection

- [ ] Inspect the outer shell and other components for damage. Contact DJI Support if any damage is spotted. Do not modify the structure of DJI products.Only use original or certified DJI accessories.
- [ ] Check condition of propellers before and after every flight. Make sure there are no bent blades or cracks.
- [ ] Inspect the gimbal for damage and camera lens for dust or dirt.

Battery

- [ ] Read the Intelligent Flight Battery Safety Guidelines.
- [ ] Use a fully charged battery. If a battery is idle for a long time, its performance might be affected.
- [ ] Do not allow the battery to come into contact with liquids. This will lead to permanent damage.
- [ ] Don’t remove or install the battery from the aircraft when it’s turned on.
- [ ] Check the status of the battery in the DJI GO app after powering on the aircraft. Keep an eye out for app alerts during flight. If the DJI GO app displays a warning that battery cells are abnormal or damaged, stop using the battery.
- [ ] Follow the stated temperature for battery use. (-20° to 40°C (-4 ° to 104°F) - Inspire 2, -10° to 40°C (14 ° -104°F) - Mavic Pro, Inspire 1 Series, Phantom 3 Series, 0° to 40°C (32° to 104° F) - Spark, Phantom 4 Series
- [ ] Don’t charge the battery right after a flight because the battery’s temperature may be too high. Avoid charging the battery outside of the stated charging temperature range. (0° to 40° C 32° to 104° F) - Inspire 1 Series, Phantom 3 Series, 5° to 40° C 41° to 104° F) -Spark, Mavic Pro, Inspire 2, Phantom 4 Series)

- [ ] After charging is complete, disconnect the battery from the charger.
- [ ] Examine the charger regularly for damage to the cord , plug, enclosure or other parts. Never use a damaged charger.
- [ ] Fully charge and discharge the battery once every three months to maintain battery health.
- [ ] Pre-heat your battery to 20°C(68°F) when the temperature is lower than 10°C(50°F). It is recommended to use a DJI Intelligent Battery Heater. The DJI Intelligent Flight Battery Heater is only supported on the Phantom 3 series and Inspire 1 series Intelligent Flight Batteries. The Inspire 2 Intelligent Flight Battery features auto heating.
- [ ] If you fly in high temperatures above 40°C(104°F), keep an eye on battery temperature. If the battery's temperature get higher than 65°C(149°F), land your drone immediately.

Transportation

- [ ] Store the battery in a specified transportation box/bag before the transit to avoid damage from external forces. Do not store a battery with metal components.
- [ ] Remove batteries from the aircraft when stored for an extended period.
- [ ] Discharge the battery to 30% before transit. If the battery needs to be carried onto the plane, discharge it to 5% of its total power.You can set your batteries to self-discharge in DJI GO app.
- [ ] Attach the gimbal clamp when storing your drone. This will effectively help to avoid any damage to your gimbal.
- [ ] If you transport your drone a long way, it's a good idea to re-calibrate your compass before flying again.
- [ ] Remove your propellers when you transport your drone(it's not necessary for Spark).

Storage

- [ ] Store the aircraft in a dry, cool and non-magnetic place to avoid any damage.
- [ ] When the aircraft and the battery will be stored for more than 3 months, store in around 25°C(77°F) and avoid direct sunlight.
- [ ] Discharge the battery to 40% to 65% prior to storage. Storing a battery with full power or low power for a long time may lead to permanent damage.

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