

# Preflight Checklist

## Before leaving for location:

1. Determine goal of flight mission (film, training, etc.)
2. Obtain authorization/update specific personnel if needed for flight location
3. Check weather conditions of flight location
4. Check NOTAMS for flight location
5. Check battery levels (Drone, controller, phone)
6. Confirm 2 MicroSD card are in bag and formatted
7. Check for any firmware updates

## At location:

1. Find suitable location
2. Survey location for takeoff/landing, obstacles, wind direction/reflection, signal interference
3. Place landing pad (not near obstacles)
4. Check propeller blades condition, rotation and connection (screws)
5. Check battery condition (bulged, dented or too hot)
6. Check sensors at bottom of drone are clear
7. Remove Gimbal clamp
8. Attach ND Filter If needed
9. Place Drone on Launch site (Level ground, clear of any overhead obstacles)
10. Connect phone to controller
11. Phone Volume Up
12. Open DJI app
13. Place sun guard
14. Power on controller
15. Power on Drone
16. Set phone to airplane mode
17. Set camera settings if needed
18. Look for "Ready to Go" message on controller
19. Confirm GPS strength & no. of satellites
20. Ready to fly – max height, max distance, RTH height (obstacles), format card
21. Arrow pointing correctly (compass) – turn drone to check
22. Check the magnetometer interference values in the app
23. Choose flight mode (C/N/S) according to mission
24. Check battery temp. on app
25. Confirm return to home is set
26. Clear area for takeoff
27. Declare "Props" & power on motors
28. Declare "Take off" & manually take off to 3 meters (above head level)
29. Hover 30 seconds – look & listen for any abnormalities, check all RC buttons

**End of flight:**

- 1. Shut down drone**
- 2. Place gimble cover**
- 3. Remove battery and let cool (do not charge until cooled)**
- 4. Check drone for damage**
- 5. Check props for damage**
- 6. Place prop guard and stow drone**
- 7. Review flight log**
- 8. Review sensor log for batteries, rudders, connection abnormalities**