Pre-Flight Inspection

AERIAL AND GROUND

1. Note wind direction and weather conditions

2. Verify no airport, air traffic or other vertical obstructions / restricted airspace

3. Check for any hazards, obstructions, pedestrian or vehicular traffic, personal property within flight plan

4. Check for wireless or EME interference potential, (Wireless Towers or Power Lines)

5. Plan emergency landing area accounting for the above

Preflight Checklist!   Pg.1

1. Ensure Phantom and R/C batteries are fully charged

2. Tablet charged (reset or remove apps from memory)

3. Propellers are installed and tightened

4. Remove gimbal lock

5. Gimbal not obstructed (Grass)

6. Tablet volume to MAX - **Do Not Disturb Mode**

7. Tablet to R/C cable attached

8. Tablet Wifi & BT **OFF**

9. R/C turned on

10. R/C in **P-Mode**

11. Launch DJI Pilot app

12. The DJI Pilot app is successfully connected to the aircraft. (Check Values)

- Compass Status
- IMU Values (0,1,1400-1600)
- Gain Values

Max Height (set to 400 ft)

Aircraft Status Indicators

☼ Slowly: Safe to fly, GPS working

☼ X2 Continuously: Vision Positioning system working, no GPS

☼ Slowly: P-ATTI or ATTI Mode

☼ Quickly: Not connected to the Remote Controller

☼ Slowly: Low Battery Level Warning

☼ Quickly: Critical Low Battery Level Warning

☼ Solid: Critical error

☼/☼ Blinking Alternately: Compass calibration required

Return To Home

RTH Button   The app's RTH Button

1. Press and hold the <mark>Return to Home</mark> button on your remote control until the LED surrounding the button starts blinking white and starts beeping. Your Phantom 3 Professional will return to the set Home Point. Press the button once to stop the procedure.

2. The DJI Pilot app will warn you if your Phantom 3 Professional's battery level falls under a certain level. This warning threshold can be set in the app. The aircraft will land immediately if the power reaches critical level and the critical low battery level warning appears.

Failsafe: The Phantom 3 Professional will enter **Return to Home** Mode if the signal to the Remote Controller is lost.

Preflight Checklist! Pg.2

Cont.

- RTH Height (depends on flight location)
- R/C EXP & Gain (0,5-0,4-0,5)
- VPS ON (if indoor flight)
- Satellite status

13. Confirm SD Card is installed and formatted

14. Check camera settings (LOG, video size, ...)

15. Gimbal configuration (1, 2 or 3)

16. Check Home Point

17. Check battery status (cells)

18. Calibrate compass

19. Start Motors and check they are functioning normally

Take-off

<u>Hover 30 seconds & check stability</u>

Enjoy the Flight !!!

Pre-Flight Inspection

PHANTOM 3 PHYSICAL INSPECTION

1. Verify all props secure and check for debris / flaw. If any damage, replace.
   - Black props tighten counter clockwise
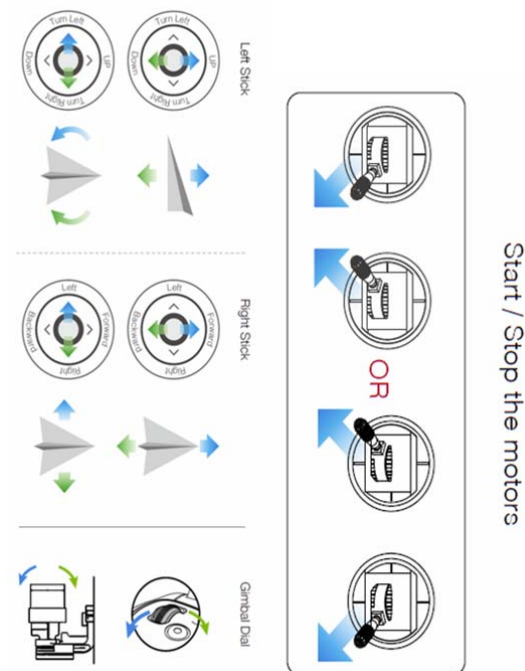   - Gray props tighten clockwise

2. <mark>Verify Gimbal lock is removed</mark>

3. Verify all accessories (gimbal attachment, camera) are secure

4. Verify no damage on body or landing gear.
❖

Flight Controls

Remote Status Indicators

- 🔴 Remote Controller is functioning normally, but is not connected to the aircraft.
- 🟢 Remote Controller is functioning normally and is connected to the aircraft.
- 🔆 B-B-B... Aircraft Low Battery Level Warning or Remote Controller error.
- 🟢 B—B—... Remote Controller has been idle for 5 minutes.

Post-Flight Checklist

1. Power Down

2. Turn off the Main Battery

3. Turn off the Range Extender

4. Turn Off Controller

5. Inspect the Phantom for any damage.

6. Inspect all props for nicks, problems, looseness

7. Check all bolts and body for damage

8. Remove the main battery.

9. Pack away in carrying case

Other Notes:

FLIGHT LOGBOOK

(Completely borrowed after Adam Savage's Flight Logbook)

PHANTOM 3
PROFESSIONAL

TOP SECRET

In Case Of Emergency

❖ RELEASE THE JOYSTICKS! THE PHANTOM 3 WILL AUTOMATICALLY HOVER IN PLACE IF YOU RELEASE THE JOYSTICKS AND MAINTAIN POSITION AND ALTITUDE

❖ TURN OFF CONTROLLER. LOSS OF SIGNAL TRIGGERS RETURN TO HOME

Other Notes:

In Case Of Emergency

- ❖ RELEASE THE JOYSTICKS! THE PHANTOM 3 WILL AUTOMATICALLY HOVER IN PLACE IF YOU RELEASE THE JOYSTICKS AND MAINTAIN POSITION AND ALTITUDE

- ❖ TURN OFF CONTROLLER. LOSS OF SIGNAL TRIGGERS RETURN TO HOME

PHANTOM 3

PROFESSIONAL

Phantom 3 - Professional

Purchased: _____

P3 Serial#: _____

Camera Serial# _____

R/C Serial#: _____

Onwer Information: _____

_____

_____

_____

_____

Firmware Updates: _____

_____

_____

_____