DJI Phantom 4 Pre-Flight Checklist

As a couple of people asked us about a **DJI Phantom 4** Pre-Flight checklist we decided to share our checklist (which is pretty the same as for other Phantom versions). Just follow the steps in the order they are presented and you will be good to go. And although this document was written with Phantom 4 owners in mind it applies to all UAVs.

1. Before leaving for the launch site

- Make sure a formatted, empty, **micro SD card** (with the proper rating) is inserted in your **Phantom 4**
- Check to see the **battery/batteries**, remote controller and your device (**phone/tablet/iPhone/iPad**) are fully charged
- Check the **propellers**. Are they still good or are they damaged?
- Check to see if the firmware is up to date
- Check to see if the location you plan to fly at is not in a no-fly zone
- Check the weather and make sure it's suitable. Also, make sure the KP index is not above 5 (**http://www.uavforecast.com/**)

2. At the launch site

- Check for possible interference. Make sure there are no large metal surfaces, radio towers, electrical wires, etc.
- Check for obstacles. Make sure you're aware of them (trees, wires, etc)
- Check for possibly dangerous situations (children playing, animals running around, etc)
- Verify the weather meets the expected conditions

3. Phantom 4 preparation

- Remove the gimbal guard and **lens cap** and store them safely
- Make sure the **Micro SD card** is inserted properly
- Make sure you have the **proper filter** installed (see "**Making better video with your DJI Phantom 4 / 3 / Inspire**")
- Make sure the filter is clean. If not, clean it before flight
- Install the **propellers**. Check their state (are they still good or are they damaged) and make sure they are installed properly (black on black).
- Insert the battery. Verify it's properly inserted and make sure it's fully charged

4. Remote Controller check

- Mount your device (**phone/tablet/iPhone/iPad**) and plug it in.
- Attach **sunshade** and adjust it properly
- Position your antennas properly. Attach **range extender** if you use a removable **range extender** (see **Phantom 4 extend maximum distance**)
- Check your flight mode switch to make sure it's in the correct position
- Check the battery to make sure it's properly charged
- Turn on your Remote Controller

- Turn on your device (phone/tablet/iPhone/iPad) if you haven't already done so
- Set device brightness to the desired level
- Switch your device to flight mode
- Turn GPS on the device on
- Start the DJI Pilot App
- Check your **camera settings (see "Making better video with your DJI Phantom 4 / 3 / Inspire")**

5. Phantom 4 check

- Make sure the Phantom 4 is on a solid, level surface with the front pointed away from you into the wind
- Make sure the gimbal can move unobstructed
- Check to make sure the propellers are properly attached
- Turn on the Phantom 4
- Check the battery status. Verify it is fully charged and that there are no errors
- Check the compass calibration status. Calibrate if something is off or if you're at a different site from your last flight
- Check the aircraft status LEDs

6. DJI GO APP check

- Make sure the maximum flight altitude is properly set for this location
- Make sure the Return-To-Home altitude is also set correctly for this location
- Verify the gimbal is level. Adjust if necessary
- Check the DJI Pilot App flight status.
    - Make sure enough GPS satellites are locked
    - Make sure the home point is set correctly.

7. Take off check

- Check to see if the launch site is clear/safe for take off
- Start the motors
- Take off and hover
- Make sure the Phantom 4 is stable while hovering
- Check the flight controls. Gently move the sticks, one at a time, and make sure the Phantom 4 responds as expected
- Start recording **video**