



Pre-flight checklist

DJI Phantom 3 Standard



Federal Aviation
Administration

Small UAS Certificate of Registration

Put your FAA Info here...

AMA Info, too, if you have it.

For U.S. citizens, permanent residents, and certain non-citizen U.S. corporations, this document constitutes a Certificate of Registration. For all others, this document represents a recognition of ownership.

For all holders, for all operations other than as a model aircraft under sec. 336 of Pub. L. 112-95, additional safety authority from FAA and economic authority from DOT may be required.

Safety guidelines for flying your unmanned aircraft:

- Fly below 400 feet
- Never fly near other aircraft
- Keep your UAS within visual line of sight
- Keep away from emergency responders
- Never fly over stadiums, sports events or groups of people
- Never fly under the influence of drugs or alcohol
- Never fly within 5 miles of an airport without first contacting air traffic control and airport authorities

Pre-Mission

Charge Flight Battery
Charge Controller
Charge iPhone
Prep iPhone External Battery/Portable Charger
DJI Go Application Check Version
Check for Firmware update? Last _____
Inspect Flight worthy. Balance
SD Card spares
Flight planning - Mode, routes, RTH Height Required
B4UFLY Ap: Check No Fly Zones / Notify Airport if required

Level	Life
	Press SS
OK	
OK	
OK	
OK	
OK	
OK	
OK	
OK	

Weather METAR: _____

OK

Convection: Water/Trees Plowed/Rock/Rds.

OK

Temperature: Ambient <vs> Batteries

OK

Prep to Fly

Radio Interference Sources (Towers, Power etc.)
Check field / route for obstructions, crowds, people, etc.
Landing Pad / Cardboard
Install Props, tighten... Store wrench!
Controller Antenna to proper position
Remove GIMBAL CLAMP / LENS CAP
Determine Camera Exposure needed/Filters
IF Using - Live Stream - Check Mobile Signal and Setup

OK
OK
OK
OK
OK
OK
OK
OK

Ready to Fly

First Flight?----- Do IMU Calibration
New Area? ----- Do Compass Calibration

OK
OK

Video/Photography Prep -----

Check MicroSD card capacity - Swap if nec.
Mount Phone / Start DJI Ap -> Login (*DNDisturb?*)
Switch S2 to center (Left Switch)
Switch S1 to P-mode (up) (Right Switch)
Turn On Controller
Turn on Drone
Connect Phone WiFi to system
Enter "Camera" mode on DJI Go App

OK
OK
OK
OK
OK
OK
OK
OK

Check Indicators-----

Drone LEDs - Green
Charger LEDs - Green
DJI Go Ap - Safe To Fly
Verify GPS signal 5-6 Satellites
Verify Battery Level reading, Home point
Set Map to desired setting - note orientation

OK
OK
OK
OK
OK
OK

Controller Settings-----

Check Gimbal Mode & Set Response rate
Check Yaw response rate (.37)

OK
OK

Camera Settings-----

Check MicroSD card capacity
Review/set Camera Exposure/ISO

OK
OK

FLIGHT -- FLIGHT -- FLIGHT -- FLIGHT -- FLIGHT

Start Propellers w/CSC motion
Check propeller vibration/clear issues
Warm up appropriately
Verify Home Point and Mode
Set RTH height
Final check of surroundings, notify spotters

OK
OK
OK
OK
OK
OK

Execute Flight Plan - Mission

Take Off - Hover

Enter IOC (if using) _____
Land

CSC or Hold down Throttle to shut down motors.

Flight Battery off / Remove

Controller Off

Log entry created?

OK
OK
OK
OK
OK

Fly!

Aircraft Status Indicator Blinking Patterns

Normal

..... Flashes red, green and yellow alternatively	Turning on and running self-diagnostic test
..... Flashes green and yellow alternatively	Warming up
..... Flashes green slowly	Safe to Fly (P-Mode with strong GPS signal)
..... Flashes yellow slowly	Safe to Fly (A-mode but No GPS signal)
Warning	
..... Flashes yellow quickly	Remote controller's signal lost
..... Flashes red slowly	Low Battery Warning
..... Flashes red quickly	Critical Battery Warning
..... Flashes red (Alternates with other patterns)	IMU error
..... Glows solid red	Critical error
..... Flashes red and yellow alternatively	Compass calibration required

Remote Controller Status LED Description

Status LED	Sound	Remote Controller Status
— Solid green	None	Functioning normally and fully charged.
— Solid red	None	Charging (remote controller is powered off). Remote controller is not connected to the aircraft.
— Solid yellow	None	Control stick calibration error. Battery fully charged but remote controller is not connected to the aircraft.
..... Blinks red slowly	BB—BB—BB	Low battery level. Recharge the remote controller.
..... Blinks red quickly	B-B-B...	Critically low battery level, the remote controller will automatically power off after 3 seconds / The remote controller is switched on with the control stick not in the neutral position.
..... Blinks green slowly	B—B—B...	Inactivity for over 6 minutes. Switch off the remote controller if it is not in use.

Camera Status LED

The Camera Status LED lights up when the aircraft is turned on and provides information on the working status of the camera.

Blinking Pattern	Camera Status
Blinks green quickly (0.1s on, 0.2s off)	System is warming up
Blinks green once (0.4s on, 0.5s off)	Taking a single shot
Blinks green three times (0.1s on, 0.3s off)	Taking 3/5/7 burst shots
Blinks red slowly (1.6s on, 0.8s off)	Recording video
Blinks red quickly (0.2s on, 0.5s off)	SD card error
Blinks red twice (0.1s on, 0.1s off X2)	Camera overheated
Glows solid red	System error
Blinks green and red alternatively (0.8s green, 0.8s red)	Firmware updating

Failsafe RTH

Failsafe RTH will be triggered if the remote controller signal is lost for more than three seconds, provided that a Home Point was recorded previously. You can regain control of the aircraft if the remote controller signal is recovered.

Failsafe RTH Illustration

① Record the Home Point Aircraft Status Indicator: Flashing Yellow → Flashing Green	② Flying Aircraft Status Indicator: Flashing Green	③ Remote Controller Signal Lost Aircraft Status Indicator: Flashing Yellow
④ Signal Lost > 3s, Return-to-Home Aircraft Status Indicator: Flashing Yellow	⑤ Return to the Home Point Aircraft Status Indicator: Flashing Yellow	⑥ Auto Landing after Hovering for 15s Aircraft Status Indicator: Flashing Yellow

- ⚠ The aircraft will automatically descend and land if Failsafe RTH is triggered when the aircraft is within a 20 meter (65 feet) radius of the Home Point. During the RTH procedure, if you move the throttle stick after the aircraft rises above 65 feet (20m), the aircraft will stop ascending and immediately return to the Home Point.
- The aircraft cannot Return-to-Home if the signal is weak ([Rssi] is grey).
- The aircraft cannot avoid obstacles during the Failsafe RTH procedure, and therefore it is important to set a suitable Return-to-Home altitude before each flight. Go to the DJI GO app > Camera View > > Advanced Settings > Failsafe Mode to set the Failsafe altitude.