Pre-flight Checklist

1. The remote controller, Intelligent Flight Battery, and your mobile device are fully charged.
2. Propellers are mounted correctly and firmly.
3. The Micro SD card is inserted, if necessary.
4. The gimbal is functioning normally.
5. Motors start properly and are functioning as normal.
6. The DJI GO app is connected to the remote controller.

Calibrating the Compass

IMPORTANT: Always calibrate the compass in every new flight location. The compass is very sensitive to electromagnetic interference, which can produce abnormal compass data and lead to poor flight performance or flight failure. Regular calibration is required for optimal performance.

Ensure the compass is calibrated. If you did not calibrate the compass as part of your pre-flight preparations, or if you have moved to a new location since the last calibration.

- DO NOT calibrate your compass where there is any possibility of strong magnetic interference. Sources of potential interference include magnetite, parking structures, and subterranean metal structures.
- DO NOT carry ferromagnetic materials with you during calibration such as keys or cellular phones.
- DO NOT calibrate in direct proximity to large metal objects.
- DO NOT calibrate indoors.

Calibration Procedures

Choose an open space to carry out the following procedures:

1. Go to the DJI GO app > Camera View > Aircraft Status Bar (top of the screen). Next to 'Compass', tap Calibrate. Alternatively, flip the S1 switch quickly for more than 3 times. The Aircraft Status Indicator will change from flashing yellow to solid yellow when the aircraft is ready for compass calibration.

2. Hold the aircraft upright and rotate it 360 degrees along the central axis. The Aircraft Status Indicator will change from solid yellow to solid green when complete.
3. Hold the aircraft with its camera facing down, and rotate it 360 degrees along its central axis. The Aircraft Status Indicator will change from solid green to flashing yellow when complete. The calibration is successful.

![Aircraft Status Indicator](image)

4. If the Aircraft Status Indicator becomes solid red, the calibration is unsuccessful. Repeat the steps above to recalibrate the compass.

- If the Aircraft Status Indicator flashes red and yellow alternatively, the compass data is abnormal. Move your aircraft to a different location to carry out the calibration.

- Calibrate the compass after you launch the DJI GO app if you are prompted to do so.

**When to Calibrate**

1. The Aircraft Status Indicator is flashing red and yellow alternatively, indicating that the compass data is abnormal.
2. Flying in a new location that is different from your last flight.
3. The physical structure of the aircraft has been changed.
4. There is severe drifting during flight (i.e. the aircraft has difficulty flying in a straight line).

**Auto Takeoff and Landing**

**Auto Takeoff**

To use Auto Takeoff:

1. Launch the DJI GO app and enter Camera View.
2. Ensure that the aircraft is in P-Mode (switch S1 is in the uppermost position).
3. Go through the pre-flight checklist.
4. Tap 🚀 and slide Confirm to take off.
5. The aircraft will take off and hover 2.5 meters above the ground.

**Auto Landing**

To use Auto Landing:

1. Ensure that the aircraft is in P-Mode (switch S1 is in the uppermost position).
2. Check that the landing area is clear before tapping 🛩 to land the aircraft.
3. The aircraft will begin to land automatically.

⚠️ Only use Auto Takeoff or Landing if there is a strong GPS signal.
Starting and Stopping the Motors

The Combination Stick Command (CSC) illustrated below is used to start or stop the motors. Ensure you perform the CSC command in one continuous motion.

Starting the Motors

A Combination Stick Command (CSC) is used to start the motors. Push both sticks to the bottom inner or outer corners to start the motors. Once the motors have started spinning, release both sticks simultaneously.

Stopping the Motors

There are two methods to stop the motors.

**Method 1:** When the aircraft has landed, push the throttle stick down, then perform the CSC command to stop the motors. Release both sticks once the motors have stopped.

**Method 2:** When the aircraft has landed, push the throttle down and hold. The motors will stop after 3 seconds.

⚠️ DO NOT perform the CSC command when the aircraft is flying in mid-air.

Flight Test

**Takeoff and Landing Procedures**

1. Place the aircraft on an open, flat ground with the battery indicator facing towards you.
2. Power on the remote controller and your mobile device, and then the Intelligent Flight Battery.
3. Launch the DJI GO app and enter Camera View.
4. Wait until the Aircraft Status Indicator flashes green. This means the Home Point has been recorded and it is safe to fly. If it flashes yellow, the Home Point has not been recorded and you must not take off.
5. Slowly push the throttle stick up or use Auto Takeoff to take off.
6. To land, hover over a level surface and gently pull down on the throttle stick to descend slowly.
7. After landing, execute the CSC command or push the throttle stick down for 3 seconds until the motors come to a stop. Do not release the control stick until the motors come to stop completely.
8. Turn off the Intelligent Flight Battery, followed by the remote controller.
When the Aircraft Status Indicator flashes yellow rapidly during flight, the aircraft has entered the Failsafe mode.

- The Aircraft Status Indicators will flash red slowly to indicate a Low Battery Level Warning, and flash red rapidly to indicate a Critically Low Battery Level Warning.

Tips for Shooting Aerials

1. Go through the pre-flight checklist before each flight.
2. Select the desired gimbal operation mode in the DJI GO app.
3. Shoot video when flying in P-Mode whenever possible.
4. Always fly in good weather and avoid rain or strong winds.
5. Choose a suitable recording format for the camera and adjust the settings for ISO, exposure, etc.
6. Perform test flights to establish flight routes and locate interesting scenes.
7. Move the control sticks gently to keep the aircraft’s movement smooth and stable for the best shots.
FAQ

In this section, we’ll try our best to answer all your questions.
FAQ

How far can I fly my Phantom 3 Standard?
The signal transmission distance will vary depending on environmental conditions and local regulations, but the Phantom 3 Standard can reach distances of up to 0.62 miles (1 km) away from the pilot.

What is the Phantom 3 Standard’s maximum flight time?
Flight time will vary depending on environmental conditions and usage patterns, but the Intelligent Flight Battery is designed to provide up to 25 minutes of uninterrupted flight time when fully charged.

What app should I use with my Phantom 3 Standard?
The Phantom 3 Standard is compatible with the DJI GO app for iOS and Android, which is also used for other DJI products. The app will detect which aircraft is connected and automatically adjust accordingly.

Where can I get the DJI GO app?
The DJI GO app is free to download from the Apple App Store or Google Play. Search for “DJI GO” and download/install the app as usual.

Which mobile devices are compatible with the app?
The DJI GO app is only compatible with devices running iOS 8.0 or Android v4.1.2, or later versions. A full list of suggested devices can be found on the Phantom 3 Standard webpage at “DJI.com”.

How do I connect to the DJI GO app?
The Phantom 3 Standard connects to the DJI GO app on your mobile device via its own WiFi network. First power on your Phantom 3 Standard and remote controller. Then connect your mobile device to the dedicated “PHANTOM3” WiFi network, and open the DJI GO app. Details can be found in the user manual.

How can I ensure that my pictures and videos will be synchronized to my iOS album?
You may need to adjust the settings of your mobile device. Open the Settings menu, select the Privacy tab, select the Photos tab, and then toggle the switch next to the DJI GO app icon. If the GO app has not been granted access to your albums, the photos and videos cannot be synchronized.

How do I use the automatic video editor?
There is an automatic video editor built into the DJI GO app. After recording several video clips, simply tap “Library” from the app’s home screen. You can then select your clips and a template, which are automatically combined to create a short film that can be shared immediately.

Do I have to buy the remote controller separately?
No, there is no need to buy a separate remote controller. Your Phantom 3 Standard comes with a custom-built remote controller that is already linked to the aircraft.

Does my Phantom 3 Standard support dual Remote Controllers?
No. The included Remote Controller can be used to control both the aircraft and the gimbal tilt at the same time.

How do I change the control mode of my Phantom 3 Standard?
By default, the remote controller is set to Mode 2. This means that the left stick controls the throttle and orientation of the aircraft and the right stick controls the movement of the aircraft. You can switch to other standard modes or configure a custom mode under RC Settings in the DJI GO app.

**What do the switches on the top of the remote controller do?**
These switches are called the S1 and S2 switches.
The S1 switch allows you to change between advanced flight modes, including P-Mode, A-Mode, and F-Mode. More information about these modes can be found in the user manual. Beginners should keep this switch in the uppermost position (P-Mode) when flying.
The S2 switch can be used to trigger Return-to-Home. When flying, simply toggle this switch up and down several times to tell your Phantom 3 Standard to return to the Home Point and land.

**Can I remove the camera and attach my own?**
No. The camera that comes with the Phantom 3 Standard is permanently attached. Attempting to remove, replace, or modify the camera may damage the product and will void your warranty.

**Can I use a Phantom 2 Intelligent Flight Battery with the Phantom 3 Standard?**
No. The Phantom 3 series uses a newly designed Intelligent Flight Battery with greater power. The new 4-cell battery has a capacity of 4480 mAh and voltage of 15.2 V.

**Can I use a Phantom 3 Professional/Advanced Intelligent Flight Battery with the Phantom 3 Standard?**
Yes, the Phantom 3 series batteries are the same.

**Why is the number of discharges for the Intelligent Flight Battery not zero, even though I have never used it?**
Every Intelligent Flight Battery is tested prior to being packaged and shipped. This affects the discharge time of a new battery and is the reason that the discharge time displayed in the DJI GO app is not zero. The battery is safe to use.

**My Phantom 3 Standard does not turn off right away, is something wrong?**
This is normal. After you release the power button, the Intelligent Flight Battery may remain on for a few seconds while any video data is saved to the Micro SD card. This helps prevent your data from being lost or corrupted.

**How can I restore a video file if the power is turned off during recording?**
Insert the Micro SD card into the camera and turn on the Phantom 3 Standard. Wait approximately 30 seconds for the video file to be restored.

**What should I do to land my Phantom 3 smoothly as possible?**
Hover the aircraft over a flat, level surface. Slowly pull the throttle stick down until the aircraft touches the ground.

**How can I safely operate the aircraft when encountering compass error?**
A compass error may occur when the aircraft is flying close to strong electric magnetic sources (e.g. power lines and radio base stations). The Aircraft Status Indicators will blink red and yellow rapidly when a compass error occurs and the DJI GO app will display one of the following messages:

- **Compass error, calibration required**
  This warning message indicates the aircraft is receiving abnormal compass readings. It is recommended that you land the aircraft and recalibrate the compass at a different location. Resume flight in a different area when possible.

- **Compass error, exiting P-GPS Mode**
  This warning message indicates that the aircraft is drifting severely. Bring the aircraft to a higher altitude to acquire connections with enough GPS satellites when this warning message appears. The flight controller will automatically adjust the heading of the aircraft to mitigate the drifts. The aircraft will switch back to P-GPS mode when these adjustments are complete.
Appendix

Everything else you need to know.
## Appendix

### Specifications

<table>
<thead>
<tr>
<th>Aircraft</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight (Incl. Battery and Propellers)</td>
<td>1216 g</td>
</tr>
<tr>
<td>Max Ascent Speed</td>
<td>5 m/s</td>
</tr>
<tr>
<td>Max Descent Speed</td>
<td>3 m/s</td>
</tr>
<tr>
<td>Max Speed</td>
<td>16 m/s (A-Mode, no wind)</td>
</tr>
<tr>
<td>Max Service Ceiling Above Sea Level</td>
<td>6000 m (Software altitude limit: 120 m above takeoff point)</td>
</tr>
<tr>
<td>Max Flight Time</td>
<td>Approx. 25 min</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0° to 40° C</td>
</tr>
<tr>
<td>GPS System</td>
<td>Built-in GPS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gimbal</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Controllable Range</td>
<td>Pitch: -90° to +30°</td>
</tr>
<tr>
<td>Angular Vibration Range</td>
<td>±0.02°</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Camera</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor</td>
<td>1/2.3&quot;</td>
</tr>
<tr>
<td>Photo Resolution</td>
<td>12 Megapixels</td>
</tr>
<tr>
<td>Lens</td>
<td>94° FOV, 20 mm (35 mm format equivalent) f/2.8, focus at ∞</td>
</tr>
<tr>
<td>ISO Range</td>
<td>100-3200 (video); 100-1600 (photo)</td>
</tr>
<tr>
<td>Electronic Shutter Speed</td>
<td>8 s -1/8000 s</td>
</tr>
<tr>
<td>Max Image Size</td>
<td>4000 x 3000 pixels</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Still Photography Modes</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Single shot</td>
<td></td>
</tr>
<tr>
<td>Photo burst mode: 3/5/7 shots</td>
<td></td>
</tr>
<tr>
<td>Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7EV bias</td>
<td></td>
</tr>
<tr>
<td>Time-lapse</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Video Recording Modes</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2.7K: 2704x1520p30</td>
<td></td>
</tr>
<tr>
<td>FHD: 1920x1080p 24/25/30</td>
<td></td>
</tr>
<tr>
<td>HD: 1280x720p 24/25/30/48/50/60</td>
<td></td>
</tr>
<tr>
<td>Max Video Bitrate</td>
<td>40 Mbps</td>
</tr>
<tr>
<td>Supported File Formats</td>
<td>FAT32/exFAT</td>
</tr>
<tr>
<td>Photo: JPEG, DNG</td>
<td></td>
</tr>
<tr>
<td>Video: MP4/MOV (MPEG-4 AVC/H.264)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Supported SD Card Types</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Micro SD, Max Capacity: 64GB. Class 6 or higher</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>0° to 40° C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WiFi</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Frequency</td>
<td>2.400 GHz - 2.483 GHz</td>
</tr>
<tr>
<td>Max Transmission Distance</td>
<td>FCC: 1000 m; CE: 500 m (outdoors and unobstructed, aircraft’s altitude at 400 feet/120 m)</td>
</tr>
<tr>
<td>Transmitter Power (EIRP)</td>
<td>FCC: 27 dBm; CE: 20 dBm</td>
</tr>
</tbody>
</table>
## Remote Controller

<table>
<thead>
<tr>
<th><strong>Operating Frequency</strong></th>
<th>5.725 GHz - 5.825 GHz, 922.7 MHz - 927.7 MHz (Japan)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Max Transmission Distance</strong></td>
<td>FCC: 1000 m; CE: 500 m (outdoors and unobstructed, aircraft’s altitude at 400 feet/120 m)</td>
</tr>
<tr>
<td><strong>Operating Temperature</strong></td>
<td>0° to 40° C</td>
</tr>
<tr>
<td><strong>Battery</strong></td>
<td>2600 mAh LiPo 18650</td>
</tr>
<tr>
<td><strong>Transmitter Power (EIRP)</strong></td>
<td>FCC: 19 dBm; CE: 14 dBm</td>
</tr>
<tr>
<td><strong>Operating Voltage</strong></td>
<td>600 mA @ 3.7V</td>
</tr>
<tr>
<td><strong>Charging Port</strong></td>
<td>Micro USB</td>
</tr>
</tbody>
</table>

## Battery Charger

| **Output Voltage** | 17.4 V |
| **Rated Power** | 57 W |

## Intelligent Flight Battery (PH3 - 4480 mAh - 15.2 V)

| **Capacity** | 4480 mAh |
| **Voltage** | 15.2 V |
| **Battery Type** | LiPo 4S |
| **Energy** | 68 Wh |
| **Net Weight** | 365 g |
| **Operating Temperature** | -10° to - 40° C |
| **Max Charging Power** | 100 W |

## Aircraft Status Indicator Blinking Patterns

### Normal Operations

- **R G Y ......** Flashes red, green and yellow alternatively — Powered on and self-testing
- **G Y ......** Flashes green and yellow alternatively — Aircraft warming up
- **G ......** Flashes green slowly — Safe to Fly (P-Mode with strong GPS signal)
- **Y ......** Flashes yellow slowly — Safe to Fly (A-Mode without GPS signal)

### Warnings

- **Y ......** Flashes yellow quickly — Remote controller signal lost
- **R ......** Flashes red slowly — Low Battery Warning
- **R ......** Flashes red quickly — Critically Low Battery Warning
- **R ......** Flashes red (Alternates with other patterns) — IMU error
- **R ——** Glows solid red — Critical error
- **R G Y ......** Flashes red and yellow alternatively — Compass calibration required
Firmwares Update

Connect to the Internet, launch the DJI GO app. The DJI GO app will start checking for available firmware updates automatically. Follow the on-screen instruction to update the latest firmware for the aircraft, remote controller and intelligent flight battery.

Intelligent Flight Mode

Intelligent Flight mode includes Course Lock, Home Lock, Point of Interest (POI), Follow Me and Waypoints features to assist users to create professional shoots during the flight. Course Lock and Home Point lock helps to lock the orientation of aircraft so that the user can focus more on other operations. Point of Interest, Follow Me and Waypoints mode enable aircraft to fly automatically according to the pre-set flight maneuvers.

<table>
<thead>
<tr>
<th>Mode</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course Lock</td>
<td>Lock the current nose direction as the aircraft’s forward direction. The aircraft will move in the locked directions regardless of its orientation (yaw angle).</td>
</tr>
<tr>
<td>Home Lock</td>
<td>Pull the pitch stick backward to move the aircraft toward its recorded Home Point.</td>
</tr>
<tr>
<td>Point of Interest</td>
<td>The aircraft will orbit around the subject automatically to allow the operator can be more focus on framing their shoot on the subject in Point of Interest.</td>
</tr>
<tr>
<td>Follow Me</td>
<td>A virtual tether is created between the aircraft and the mobile device so that the aircraft can track your movement as you move. Note that Follow Me performance is subject to the GPS accuracy on the mobile device.</td>
</tr>
<tr>
<td>Waypoints</td>
<td>Record a flight path, then the aircraft will fly along the same path repeatedly while you control the camera and orientation. The flight path can be saved and re-apply in the future.</td>
</tr>
</tbody>
</table>

Enable Multiple Flight Mode by launching the DJI GO app > Camera View > Advanced Settings > Multiple Flight Mode before using the Intelligent Flight Mode for the first time.

After-Sales Information

Visit the following pages to learn more about After-sales policy and warranty information:
1. After-sales Policy: http://www.dji.com/service
FCC Compliance

FCC Compliance
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Warning Message
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

IC RSS warning
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
Le présent areil est conforme aux CNR d'Industrie Canada licables aux areils radio exempts de licence.

L’exploitation est autorisée aux deux conditions suivantes:
(1) l’areil ne doit pas produire de brouillage, et
(2) l’utilisateur de l’areil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d’en compromettre le fonctionnement.
IC Radiation Exposure Statement:
This equipment complies with IC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with minimum distance 20cm between the radiator& your body.
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

KCC Warning Message
“해당 무선설비는 운용 중 전파혼신 가능성이 있으므로 인명안전과 관련된 서비스는 할 수 없습니다.”
“해당 무선설비는 운용 중 전파혼신 가능성이 있음”

NCC Warning Message
低功率電波輻射性電機管理辦法
第十二條經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。
第十四條低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應改善至無干擾時方得繼續使用。前項合法通信，指依電信法規定作業之無線電通信。低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。