The InspireTM 1 is a professional aerial filmmaking and photography platform that is ready to fly right out of the box. Featuring a Quick Start Guide, it comes with a 4500mAh Intelligent Flight Battery. The Inspire 1 Remote Controller is also able to return home if the remote controller signal is lost or if the low battery warning is triggered. The Positioning System (VPS) gives it the power to hover in position at low altitudes even without GPS.

The Inspire 1 has an onboard camera equipped with a 20mm lens and 3-axis stabilized gimbal, shooting sharp 12mp stills and stable video at 25fps. In Real Time HD, it records pictures and video up to 4K. The app allows you to change camera settings and activate Master/Slave mode so that one person can control the flight while the other can only view the flight.

In this mode, the Inspire 1 has a strong GPS signal and can use the VPS to hover accurately. In the P mode (Position Hold), only altitude is controlled. Note that the VPS may not work without a clear pattern, or in a low light environment.

While returning home, its altitude can be adjusted by the user to avoid obstructions. Tall buildings may affect the remote controller signal. The GPS works best when outdoors in a wide open area, or when flying above 22 mph or 10 m/s.

DO NOT FLY in rain, snow, fog, and wind. DO MONITOR YOUR ALTITUDE while returning home, as its altitude can be adjusted by the user to avoid obstructions. Tall buildings may affect the remote controller signal. The GPS works best when outdoors in a wide open area, or when flying above 22 mph or 10 m/s.

DJI encourages you to enjoy flying in a safe, responsible and smart way. While returning home, its altitude can be adjusted by the user to avoid obstructions. Tall buildings may affect the remote controller signal. The GPS works best when outdoors in a wide open area, or when flying above 22 mph or 10 m/s.

DO NOT FLY near or above people, near structures, and steel reinforcements underground.
The Inspire™ 1 is a professional aerial filmmaking and photography platform that is ready to fly right out of the box. Featuring an onboard camera equipped with a 20mm lens and 3-axis stabilized gimbal, it shoots sharp 12mp stills and stable video at up to 4K. Its retractable landing gear pulls out of view, giving the camera an unobstructed 360 degree view of the world below.

An advanced flight controller makes the Inspire 1 stable, safe and easy to fly indoors or out. The brand new Vision Positioning System (VPS) gives it the power to hover in position at low altitudes even without GPS. Like all DJI flight controllers, it is also able to return home if remote controller signal is lost or if the low battery warning is triggered.

The Inspire 1 boasts a maximum flight speed 20m/s* and a maximum flight time of 18.5 minutes* using one fully charged 4500mAh Intelligent Flight Battery.

* The maximum flight speed and maximum run time (hovering state) were tested in a lab environment, at zero-level elevation and in windless conditions, and should be taken as reference only.
Remote Controller

The maximum transmission distance of the Inspire 1 remote controller is 5km*. The remote controller also allows you to control the landing gear or activate Return to Home with a tap. Other buttons allow instant photo capture, video recording, picture review and gimbal control.

A DJI Lightbridge-based HD video downlink is built-in, letting you see what your camera sees on your mobile device in real time HD. The app also allows you to change camera settings and activate Master/Slave mode so that one person can fly while other controls the gimbal independently. The master and slave controllers communicate using a 5.8Ghz wireless signal, and have a communication range with each other of up to 50 meters. The controller’s LiPo battery has a maximum run time of approximately four hours and can be charged by plugging directly into the controller.

1. Power Button
2. Transformation Switch
3. Return to Home (RTH) Button
4. Control Sticks
5. Status LED
6. Battery Level LEDs
7. Power Port
8. Mobile Device Holder
9. Antennas
10. Handle Bar
11. Gimbal Dial
12. Camera Settings Dial
13. Video Recording Button
14. Right Mode Switch
15. Shutter Button
16. Playback Button
17. Mini-HDMI Port
18. Micro-USB Port
19. CAN-Bus Port
20. USB Port
21. Back Buttons (Reserved)

* Please note that the max transmission distance were tested in a lab environment. This statistic is for reference only, as conditions in your area may vary.
**Fly Safe**

DJI encourages you to enjoy flying in a safe, responsible and smart way.

- **DO NOT FLY** near or above people, near trees, power lines or buildings.
- **DO NOT FLY** in rain, snow, fog, and wind speeds exceeding 22 mph or 10 m/s.

### Calibrating the Compass:

Only calibrate the compass when the DJI GO app or the status indicator prompt you to do so. Observe the following rules when calibrating your compass:

1. **DO NOT** calibrate your compass where there is a chance of strong magnetic interference, such as magnetite, parking structures, and steel reinforcements underground.
2. **DO NOT** carry ferromagnetic materials with you during calibration such as cellular phones.
3. The DJI GO app will prompt you to resolve the compass issue if the compass is affected by strong interference after calibration is complete. Follow the prompted instructions to resolve the compass issue.

### P Mode:

In this mode, the Inspire 1 has a strong GPS signal and can use the VPS allowing it to hover accurately in position indoors and out. If outdoors, this mode also means that a Home Point has been locked so that it can Return to Home if the control signal is lost.

If you are not in this mode, toggle the Flight Mode Switch to P position to enable it. The Flight Mode Switch is locked in P mode by default. Refer to the User Manual on how to unlock the switch.

There are three states in P mode:

- **P-GPS**: GPS works best when outdoors in a wide open area, and your Inspire 1 uses GPS to hover in place when the GPS signal is strong. **P-OPTI**: If GPS is not available, the aircraft can use the VPS to hover accurately. **P-ATTI**: Neither GPS or VPS available, aircraft is using only its barometer for positioning, so only altitude is controlled. Note that the VPS may not work properly when the Inspire 1 is flying over water, over surfaces without a clear pattern, or in a low light environment.

### Return to Home:

When the GPS signal is strong, the aircraft will be able to record a Home Point and return to the Home Point when needed. The GPS location is recorded when the GPS signal icon in the DJI GO app is either yellow or green. The aircraft will return to the Home Point automatically in the following cases (all require a strong GPS signal):

- **Smart RTH**: When you press the RTH button on the remote controller or in the App.
- **Low Battery RTH**: The DJI GO app notifies users to take action when the battery level falls to a specified threshold.
- **Failsafe RTH**: When the remote controller signal is lost.

While returning home, its altitude can be adjusted by the user to avoid obstructions. Tall buildings may affect the remote controller signal. The Failsafe Return to Home procedure will be triggered if the signal is lost. Be sure fly higher than any nearby buildings to avoid crashing.
Appendix

- **Aircraft (Model: T600)**
  - Weight: 2845 g (Battery and Propellers Included, Zenmuse X3 Excluded)
  - Weight: 3060 g (Battery, Propellers and Zenmuse X3 Included)
  - Maximum Weight of Payload: 3500 g
  - Max Tilt Angle: 25°
  - Max Ascent Speed: 5 m/s
  - Max Descent Speed: 4 m/s
  - Max Speed: 20 m/s (ATTI mode, no wind)
  - Max Altitude Above Sea Level: 14,700 feet (4,500 meters)
  - Max Flight Time: Approximately 18.5 minutes
  - Operating Temperature Range: 14° to 104° F (-10° to 40° C)

- **Gimbal (Model: ZENMUSE X3)**
  - Angular Vibration Range: ±0.03°
  - Controllable Range: Pitch: -90° to +30° Pan: ±320°
  - Max Controllable Speed: Pitch: 120°/s Pan: 180°/s

- **Vision Positioning System**
  - Velocity Range: <8 m/s @ Altitude 6.56 feet (2 m)
  - Altitude Range: 0.16 feet - 16.4 feet (5 cm-500 cm)
  - Operating Range: <9.84 feet (<300 cm)
  - Operating Environment: Surface with clear pattern and adequate lighting (>15 Lux)

- **Camera (Name/Model: X3/FC350)**
  - Sensor: Sony Exmor R CMOS (Type 1/2.33), Effective pixels: 12.4M (total pixels: 12.76M)
  - Lens: FOV (Field Of View) 94° 20 mm (35 mm format equivalent) 1/2.8
  - ISO Range: 100-3200 (video) 100-1600 (photo)
  - Electronic Shutter Speed: 8 s-1/8000 s
  - Image Max Size: 4000×3000
  - Still Photography Modes: Single shoot; Burst shooting: 3/5/7 frames
  - Video Recording Modes: Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7EV Bias; Time-lapse
  - Video Output Port: USB, Mini-HDMI
  - Video Formats: MP4/MOV (MPEG-4 AVC/H.264)
  - Supported File Systems: FAT32 (≤ 32 GB), exFAT (> 32 GB)
  - Supported Card Types: Micro SD, Max capacity: 64GB. Class 10 or UHS-1 rating required
  - Operating Temperature Range: 32° to 104° F (0° to 40° C)

- **Remote Controller (Name: C1)**
  - Operating Frequency: 922.7 MHz-927.7 MHz (Japan only) 5.725 GHz-5.825 GHz 2.400 GHz-2.483 GHz
  - Transmitting Distance: Up to 5 km or 3.1 miles (unobstructed, free of interference) when FCC compliant
  - Video Output Port: USB, Mini-HDMI
  - Operating Temperature Range: 14° to 104° F (-10° to 40° C)
  - Battery: 6000 mAh LiPo 2S

- **Charger (Model: A14-100P1A)**
  - Voltage: 26.3 V
  - Rated Power: 100 W

- **Intelligent Flight Battery (Model: TB47, Standard)**
  - Capacity: 4500 mAh
  - Voltage: 22.2 V
  - Battery Type: LiPo 6S High voltage battery
  - Energy: 99.9 Wh
  - Net Weight: 570 g
  - Operating Temp: 14° to 104° F (-10° to 40° C)
  - Max Charging Power: 180 W

- **Intelligent Flight Battery (Model: TB48, Optional)**
  - Capacity: 5700 mAh
  - Voltage: 22.8 V
  - Battery Type: LiPo 6S High voltage battery
  - Energy: 129.96 Wh
  - Net Weight: 670 g
  - Operating Temp: 14° to 104° F (-10° to 40° C)
  - Max Charging Power: 180 W

* This Quick Start Guide is subject to change without prior notice.
Using INSPIRE 1

1. Download the DJI GO App
Search ‘DJI GO’ on the App Store or Google Play and download the app to your mobile device.

2. Watch the Tutorial Videos
Watch the tutorial videos at www.dji.com or in the DJI GO app.

3. Check Battery Levels
- Press once to check the battery level.
- Press once, again and hold to turn on/off.

4. Charge the Batteries
- The Intelligent Flight Battery must be fully charged before using it for the first time.
- Only use the official DJI Inspire 1 charger for your Intelligent Flight Battery and remote controller. Power off the Intelligent Flight Battery before charging.
- When charging is complete, the LED lights on the Intelligent Flight Battery and remote controller will turn off.

* Provided charger
5. Preparing the Remote Controller

Unfold the mobile device holder and the antennas.

Try to keep the aircraft inside the optimal transmission range. If the signal is weak, adjust the antennas or fly the aircraft closer.

Optimal Transmission Range

Press the button to release the clamp.

Dual Remote Controllers
You will need to link the Master and Slave remote controllers.

On the Master RC, launch the DJI GO app and enter Camera View. Tap the lock icon on the top of your screen to bring up the RC Settings. Set the RC Status as ‘Master’, and then enter the desired connection password.

Similarly on the Slave RC, set the RC Status as ‘Slave’. Then tap Search for Master RC and connect to the Master RC with your preset password.

• DO NOT use other 2.4 GHz devices at the same time to avoid signal interference.
• DO NOT operate more than 3 aircrafts within in the same area (size equivalent to a soccer field) to prevent transmission interference.

6. Prepare the Aircraft

Insert the battery
Power on the remote controller and the aircraft
Toggle the transformation switch up and down at least four times
Transform the aircraft to Landing Mode

• In Dual Remote Controller Mode, only the Master remote controller can transform the landing gear.
• DO NOT place the aircraft on rough or sound-absorbing surfaces (e.g. carpets) when transforming the landing gear.
7. Mount the Gimbal and Camera

1. Rotate the Gimbal Lock to the unlocked position.
2. Align the white lines and insert the gimbal.
3. Rotate the Gimbal Lock to the locked position.

- Be sure to remove the gimbal before transforming the aircraft to Travel Mode.
- Always power off the aircraft before mounting or removing the gimbal.

8. Preparing for Takeoff

1. Toggle the Flight Mode Switch to the safest P-Mode.
2. Connect your mobile device.
3. Power on the remote controller and aircraft.
4. Launch the DJI GO app and enter Camera View.
5. Pair the propellers and motors with arrows of the same color (red or white).
6. Rotate the propeller lock until the arrows are aligned and you hear a click.
7. Attach the propeller onto the motor.
8. Again, rotate the propeller lock until you hear a click.

- Ensure the propellers are mounted securely and correctly.

9. Controls

The stick mode is set to Mode 2 by default (left hand throttle). The left stick controls the aircraft’s elevation and heading. The right stick controls the aircraft’s forward, backward and lateral movements. The gimbal dial controls camera tilt.

- You can change the stick mode in the DJI GO app.
10. Flight

Safe to Fly (GPS)

Before taking off, ensure the Aircraft Status Bar in the DJI GO app indicates "Safe to Fly (GPS)".

In the DJI GO App:

Auto Takeoff
The aircraft will take off and hover at an altitude of 4 feet (1.2 meters).

Auto Landing
The aircraft will land vertically and stop its motors.

Return-to-Home
Brings the aircraft back to the Home Point. Tap again to stop the procedure.

Manual Takeoff

Manual Landing

Ensure the landing gear is lowered before landing.

Combination Stick Command to start/stop the motors

Left stick up (slowly) to take off

OR

Return-to-Home (RC)

Same as the RTH button in the DJI GO app. Brings the aircraft back to the Home Point. Press and hold to initiate the RTH procedure. Press again to cancel.

Left stick down (slowly) until you touch the ground.

Combination Stick Command

Point. Tap again to stop the procedure.

Download Your Videos

Remote Controller Status Indicator

RC normal but not connected to aircraft.

RC normal and connected to aircraft.

RC Slave Mode and not connected to aircraft.

RC Slave Mode and connected to aircraft.

RC Slave Mode and connected to aircraft.

RC Slave Mode and connected to aircraft.

Critical low battery level warning.

Critical low battery level warning.

Critical error.

Compressed video and photo files are automatically stored on your mobile device while you are recording. You can view them in the Library section of the DJI GO app.

For the best quality, download the original HD files through the app or using an SD card reader.

Appendix

Aircraft Status Indicator

Slowly - - - Safe to fly (GPS working).

Slowly - - - No GPS but VPS working.

- schnell - P-ATTI or ATTI mode.

Quickly ---- Not connected to remote controller.

Quickly - - - Low battery level warning.

Quickly ---- Critical low battery level warning.

Solid ----- Critical error.

/ / / / - - - compass calibration required.

Remote Controller Status Indicator

Downloading Your Videos

RC normal but not connected to aircraft.

RC normal and connected to aircraft.

RC Slave Mode and not connected to aircraft.

RC Slave Mode and connected to aircraft.

( - B - ) Low battery warning / RC error.

( - B - B - - - ) RC idle for 5 minutes.

Learn more information from:

www.dji.com/product/inspire-1

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Designed by DJI. Printed in China.
1. Download the DJI GO App

2. Watch the Tutorial Videos

3. Mount the Gimbal and Camera

4. Charge the Batteries

5. Prepare the Aircraft

6. Insert the Battery

7. Mount the Aircraft

8. Preparing for Takeoff

9. Controls

- **Left Stick**: Controls the aircraft's elevation and heading.
- **Right Stick**: Controls the aircraft's forward, backward, and lateral movements. The gimbal dial controls camera tilt.

- **Gimbal Dial**: The right stick controls the gimbal dial.

- **Combination Stick Command**
  - Up (slowly): Manual Takeoff
  - Down (slowly): Manual Landing
  - Up (quickly): Auto Takeoff
  - Down (quickly): Auto Landing

- **Flight Mode**
  - Switch to the safest P-Mode.

- **Return-to-Home (RTH)**
  - Press and hold to initiate the RTH procedure.
  - Press again to cancel.

- **GPS Working**: Safe to fly.
- **Critical Low Battery Level Warning**: Battery critically low. Please land the aircraft quickly.
- **Battery Low**: Stop the motors.

- **Ringtone**: Bell, Fast Ring, Slow Ring

- **Control Sticks**: Unfold the mobile device holder and the antennas.

- **Optimal Transmission Range**

- **Dual Remote Controller Mode**
  - Only the Master remote controller can transform the landing gear.
  - DO NOT operate more than 3 aircrafts within the same area.
  - DO NOT use other 2.4 GHz devices at the same time.

- **Motors**: In Dual Remote Controller Mode, align the white lines. Initially in the unlocked position, again, rotate the propeller lock until you hear a click. The motors with arrows of the same color (red or white) are engaged. The motors are unlocked.

- **Transformation Switch**: Hold a few seconds to engage the motors. Press again to transform the landing gear.

- **Combination Stick Command**
  - Tap twice to take off.
  - Tap twice to land.

- **Return-to-Home (RC)**
  - Power on the remote controller.
  - On the Master RC, launch the DJI GO app and enter Camera View.
  - Tap on the top of your screen to bring up the RC Mode.
  - Similarly on the Slave RC, set the RC to RC normal and connected to aircraft.
  - Alternatively, in RC Slave Mode and connected to aircraft.

- **Camera Status**
  - Turning on/off:
    - Press once, again, and hold to turn on/off.
  - Checking battery level:
    - Press once to check the battery level.

- **LED Lights**: When charging is complete, the LED lights on the Intelligent Flight Battery and remote controller will turn off.

- **Charging**
  - The Intelligent Flight Battery must be fully charged before using it for the first time.
  - Charging time: ~1 hour 18 minutes*.

- **Downloading Your Videos**
  - Compressed video and photo files automatically stored on your mobile device while you are recording.
  - You can view them in the Library section of the DJI GO app.

- **Remote Controller Status Indicator**

- **Safe to fly (GPS working)**.

- **Blackout**: Lost communication.

- **Improper Gimbal Angle Warning**: Tilting the gimbal.

- **Motor Lock Warning**: Motor lock.

- **Jump Input**: Hold a few seconds to quickly gain altitude.

- **Remote Controller Faults**
  - Power off the aircraft before turning off the remote controller.

- **After landing**, power off the aircraft before turning off the remote controller.

- **Never perform the Combination Stick Command in mid-flight, or else the aircraft will crash**.

- **Refer to the Safety Guidelines and Disclaimer for more details**.