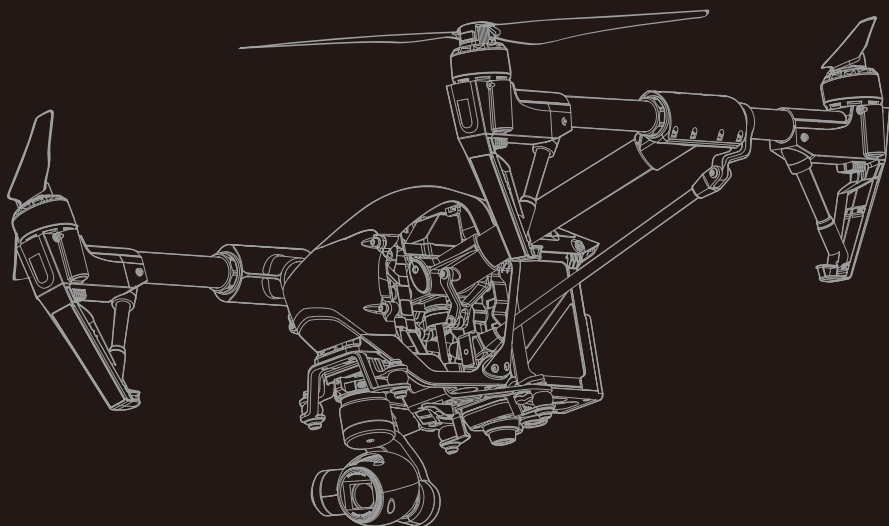


INSPIRE 1

Quick Start Guide

V2.2

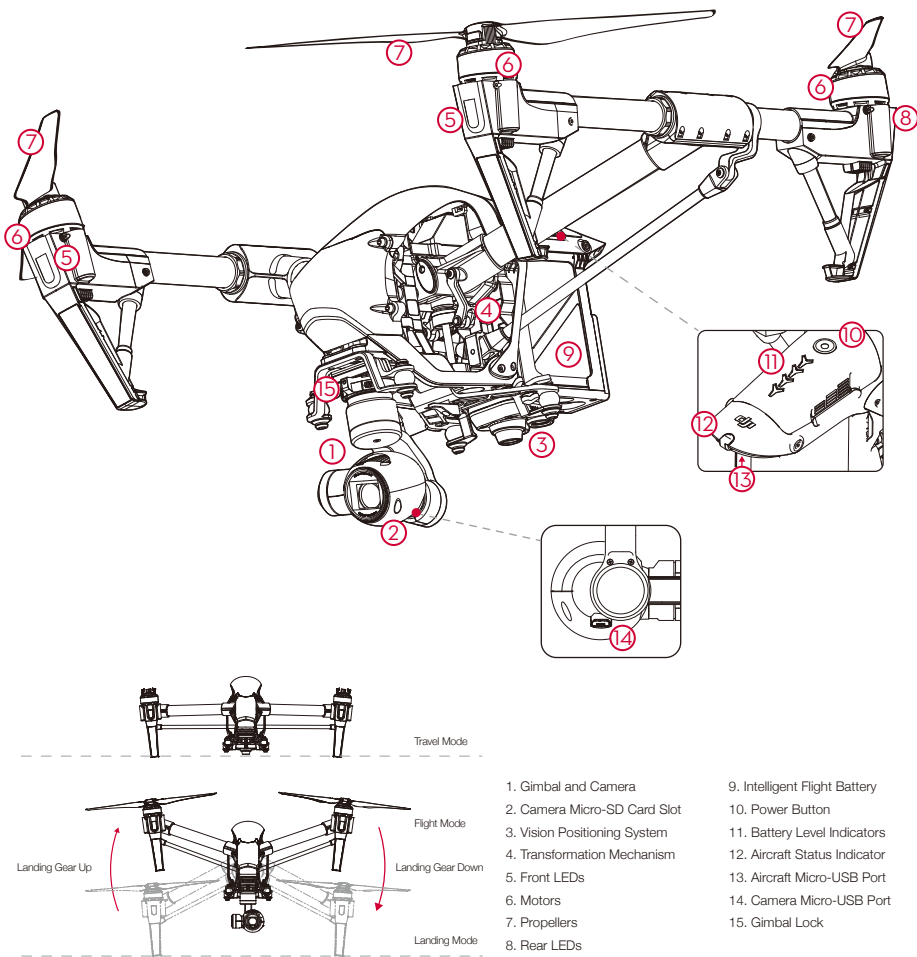


INSPIRE 1

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 up 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.

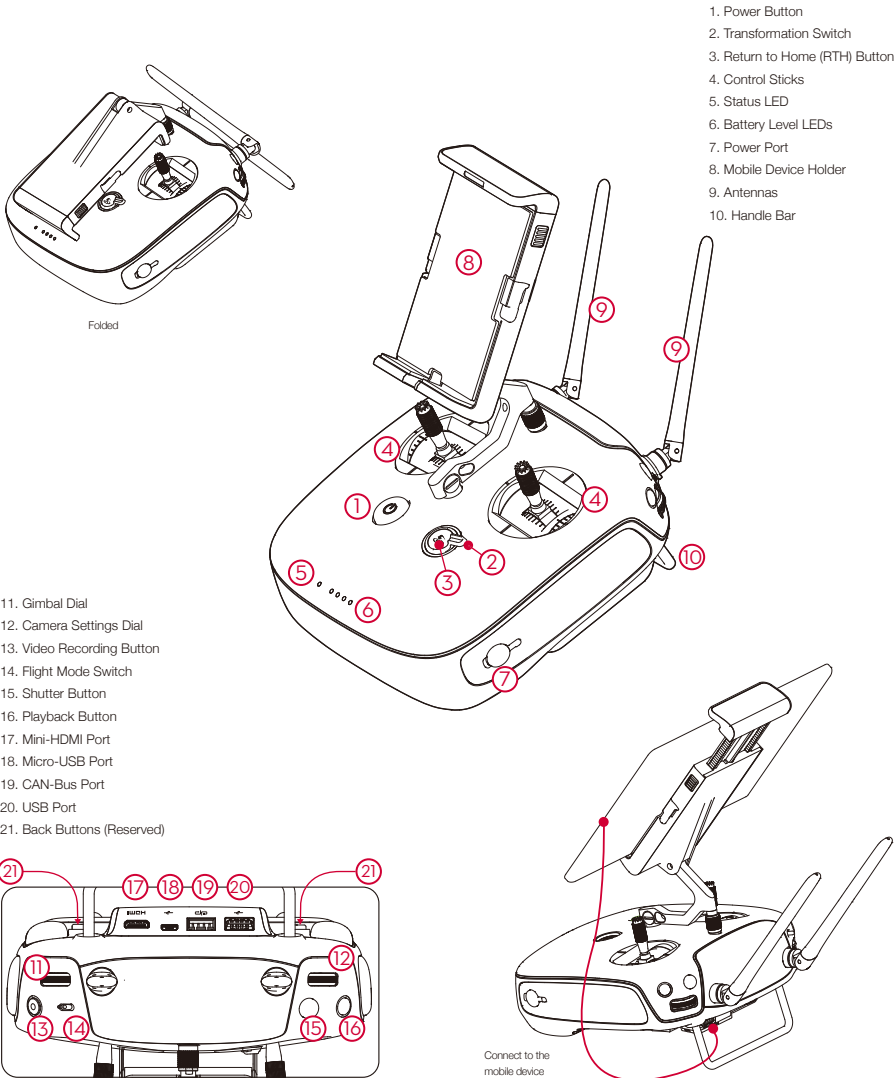


* The maximum flight speed and maximum run time (hovering state) were tested in a lab environment, at zero-level elevation and in windless conditions, and should be taken as reference only.

Remote Controller

The maximum transmission distance of the Inspire 1 remote controller is 2km*. 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.

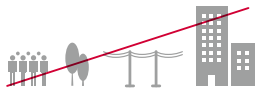
A DJI Lightbridge-based HD video downlink is built-in, letting you see what your camera sees on your mobile device in real time HD. The app also allows you to change camera settings and activate Master/Slave mode so that one person can fly while other controls the gimbal independently. The master and 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.



* 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 MONITOR YOUR ALTITUDE

and fly under 400 feet (120 meters).

It is important to understand basic flight guidelines, for the safety of both you and those around you. Refer to the Safety Guidelines and Disclaimer for more information.



DO NOT FLY in rain, snow, fog, and wind speeds exceeding 22 mph or 10 m/s.



DO MAINTAIN LINE OF SIGHT

and avoid flying behind buildings or obstacles that block your view.



No Fly Zones

More information at:

<http://flysafe.dji.com/no-fly>



- Be very careful when flying 14,700 feet (4,500 meters) or more above sea level as the battery and aircraft performance may be reduced.
- The Inspire 1's compass and GPS will not work in Polar Regions. The aircraft will auto switch to ATTI Mode and use the VPS for positioning.

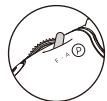
• Calibrating the Compass:

Make sure to calibrate the compass in every new flight location. The compass is very sensitive to electromagnetic interference, which can cause abnormal compass data leading to poor flight performance or even failure. Regular calibration is required for optimum performance.

- DO NOT calibrate your compass where there is a chance of strong magnetic interference, such as magnetite, parking structures, and steel reinforcements underground.
- DO NOT carry ferromagnetic materials with you during calibration such as keys or cellular phones.
- DO NOT calibrate beside massive metal objects.
- If it is blinking red and yellow alternately after placing the aircraft on the ground, the compass has detected magnetic interference. Change your location.

• P Mode:

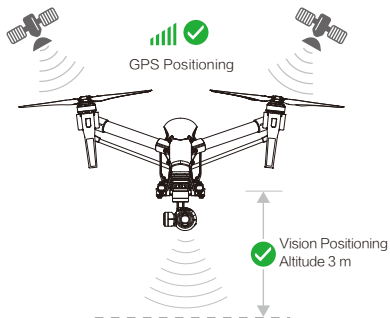
In this mode, the Inspire 1 has a strong GPS signal and can use the VPS allowing it to hover accurately in position indoors and out. If outdoors, this mode also means that a Home Point has been locked so that it can Return to Home if the control signal is lost.



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.



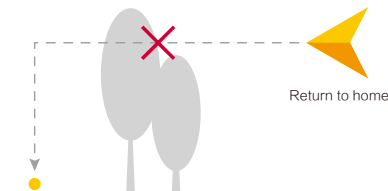
• Return to Home:

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	35°
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) f/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 Auto Exposure Bracketing (AEB): 3/5 bracketed frames at 0.7EV Bias; Time-lapse
Video Recording Modes	UHD: 4K (4096×2160) 24/25p, 4K (3840×2160) 24/25/30p, FHD: 1920×1080 24/25/30/48/50/60p, HD: 1280×720 24/25/30/48/50/60p
Max Bitrate Of Video Storage	60 Mbps
Supported File Systems	FAT32 (≤ 32 GB), exFAT (> 32 GB)
Photo Formats	JPEG, DNG
VideoFormats	MP4/MOV (MPEG-4 AVC/H.264)
Supported SD 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 Up to 3.5 km or 2.1 miles (unobstructed, free of interference) when CE 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)**

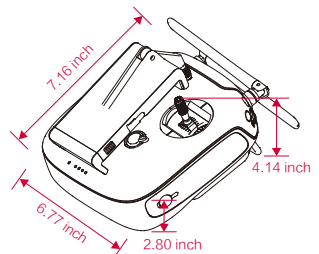
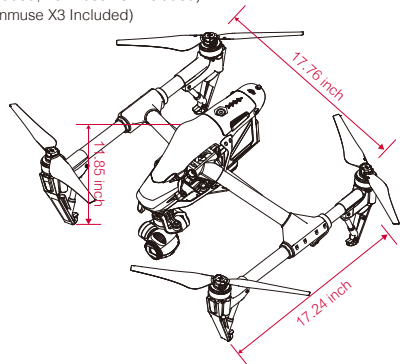
Voltage	26.3 V
Rated Power	100 W

• **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 Temge	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 Temge	14° to 104° F (-10° to 40° C)
Max Charging Power	180 W



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.

※ 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.



DJI GO app

2. Watch the Tutorial Videos

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



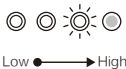
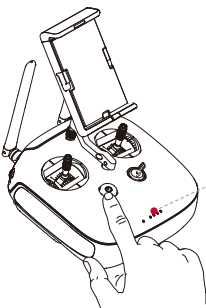
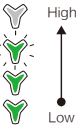
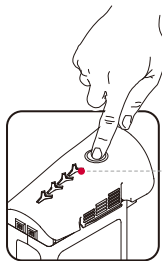
The tutorial videos



- For the best user experience, please use mobile devices with iOS 8.0 (or higher) and Android 4.1.2 (or higher).
- Read the Inspire 1 User Manual in the DJI GO app or official DJI website for more details.

3. Check Battery Levels

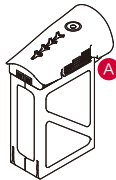
- Press once to check the battery level.
- Press once, again and hold to turn on/off.



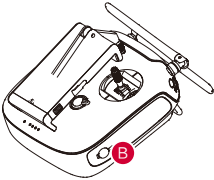
4. Charge the Batteries



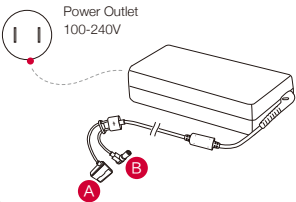
Remove the battery



Charge Time:
~1 hour 18 minutes*



Charge Time:
~2.5 hours*

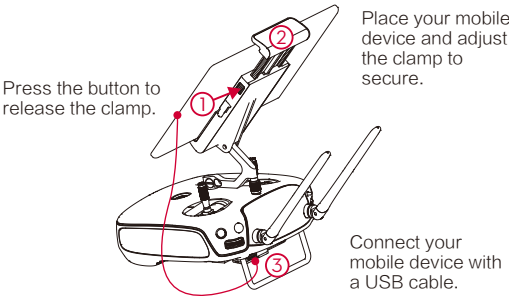
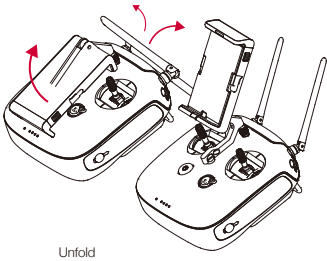
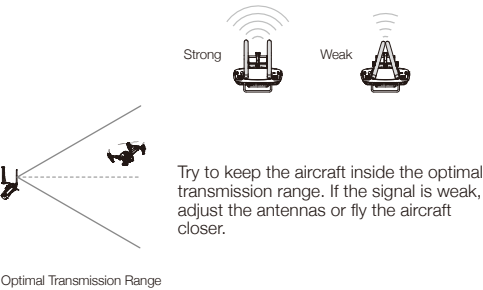


- The Intelligent Flight Battery must be fully charged before using it for the first time.
- Only use the official DJI Inspire 1 charger for your Intelligent Flight Battery and remote controller. Power off the Intelligent Flight Battery before charging.
- When charging is complete, the LED lights on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




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  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 to '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.

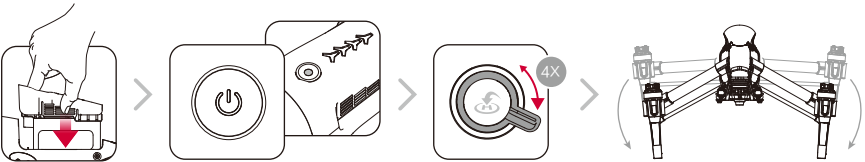
6. Prepare the Aircraft


Insert the battery

Power on the remote controller and the aircraft

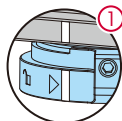
Toggle the transformation switch up and down at least four times

Transform the aircraft to Landing Mode

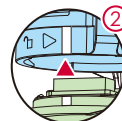
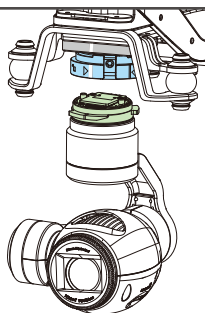


-  • In Dual Remote Controller Mode, only the Master remote controller can transform the landing gear.
• DO NOT place the aircraft on rough or sound-absorbing surfaces (e.g. carpets) when transforming the landing gear.

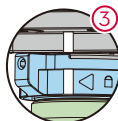
7. Mount the Gimbal and Camera



Rotate the Gimbal Lock to the unlocked position.



Align the white lines and insert the gimbal.

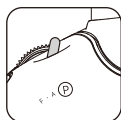


Rotate the Gimbal Lock to the locked position.

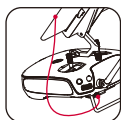


- Be sure to remove the gimbal before transforming the aircraft to Travel Mode.
- Always power off the aircraft before mounting or removing the gimbal.

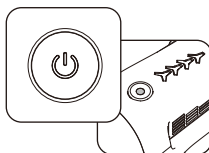
8. Preparing for Takeoff



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



Connect your mobile device.



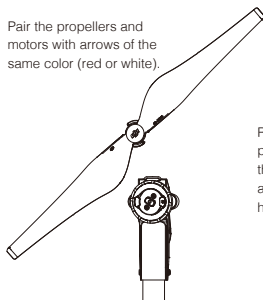
Power on the remote controller and aircraft.



Launch the DJI GO app and enter Camera View.



Calibrate the compass. Tap the Aircraft Status Bar at the top, select 'Calibrate' and follow the on-screen instructions.



Pair the propellers and motors with arrows of the same color (red or white).



Rotate the propeller lock until the arrows are aligned and you hear a click.



Attach the propeller onto the motor.



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.

Left Stick



Right Stick



Gimbal Dial



- 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.



- The aircraft will not avoid obstacles while it is returning to the Home Point, and an appropriate RTH altitude must be set before takeoff. You should also use the control sticks to guide the aircraft. Refer to the Safety Guidelines and Disclaimer for more details.



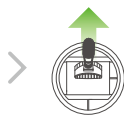
Return-to-Home

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

Manual Takeoff



OR



Combination Stick Command to start/stop the motors

Left stick up (slowly) to take off

Manual Landing

Ensure the landing gear is lowered before landing.



Raise



Lower

If you want to lower the landing gear but the switch is already in the 'down' position, toggle the switch up and down again.

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. Hold a few seconds to stop the motors.



- Rotating propellers can be dangerous. DO NOT start the motors in narrow spaces or when there are people nearby.
- Never perform the Combination Stick Command in mid-flight, or else the aircraft will crash.
- Always keep your hands on the remote controller so long as the motor is still spinning.
- After landing, power off the aircraft before turning off the remote controller.
- Take off from a flat surface in a wide open space, with the rear of the aircraft facing towards you.

Appendix

Aircraft Status Indicator

- slowly ... Safe to fly (GPS working).
- quickly ... No GPS but VPS working.
- slowly ... P-ATTI or ATTI mode.
- quickly ... Not connected to remote controller.
- slowly ... Low battery level warning.
- quickly ... Critical low battery level warning.
- solid — Critical error.
- quickly ... compass calibration required.

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.
- (B) Low battery warning / RC error.
- (B-B) RC idle for 5 minutes.

Downloading Your Videos

- 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.

※ This content is subject to change without prior notice.

Learn more information from:

www.dji.com/product/inspire-1

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INSPIRE 1

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