For more information about how to connect and use the remote controller, please refer to the user manual of the Matrice 600 Pro.

You can change the stick mode in the DJI GO app.

The MATRICETM 600 Pro is equipped with a dedicated DJITM A3 Pro triple-modular redundancy system and advanced intelligent flight functions, ensuring safe and stable operation at all times. With six Intelligent Flight Batteries, the Matrice 600 Pro has 32 minutes of hover time*. Its mechanical design, with quick-release landing gear and mounted folding arms, make it easy to transport, store, and prepare for flight.

The standard DJI Hex Charger can charge up to six Intelligent Flight Batteries and two remote controllers simultaneously. The Matrice 600 Pro is compatible with many of DJI's gimbals* and has retractable landing gear, allowing for clear 360-degree views from your camera. With a no-payload weight* of 9.5 kg, and maximum takeoff weight of 15.5 kg, the Matrice 600 Pro can meet specific needs across a range of industries.

The maximum transmission distance of the Matrice 600 Pro remote controller is 16,400 feet (5 km)*. The built-in LiPo battery powers the device for up to four hours* in between charges. An ergonomic design puts gimbal (optional) control functions within comfortable reach, crucial when operating the aircraft. Important controls such as raising and lowering the landing gear and activating the Return-to-Home procedure can also be triggered with a tap of a button.

The LIGHTBRIDGETM 2 HD video downlink is integrated into the remote controller, allowing real-time camera footage to be displayed in the DJI GOTM app. Dual remote controller mode makes it possible for the aircraft and camera to be operated on two separate controls, which have a communication range of up to 50 meters.

1. Power Button
2. Landing Gear Control 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. Record Button
14. Flight Mode Switch
15. Shutter Button
16. Playback Button
17. Micro USB Port
18. SDI Port
19. HDMI(TM) Port
20. USB Port
21. C1 Button
22. C2 Button

* The remote controller is able to reach its maximum transmission distance (FCC) in a wide open area with no Electro-Magnetic Interference, and at an altitude of about 400 feet (120 meters). The maximum run-time is tested under laboratory environment, only for your reference.

Please refer to Specifications for more information on compatible DJI gimbal models. No-payload weight includes landing gear and six TB47S Intelligent Flight Batteries.

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 or pan.

1. GPS-Compass Pro
2. Center Frame
3. Frame Arms
4. Motors
5. Propellers
6. ESC LEDs
7. Landing Gear
8. Intelligent Flight Batteries
9. Power Button
10. Battery Level LEDs
11. Antennas
12. Aircraft Status Indicator
13. Micro USB Port

The Matrice 600 Pro folded without landing gear.
Matrice 600 Pro

The MATRICE™ 600 Pro is equipped with a dedicated DJI™ A3 Pro triple-modular redundancy system and advanced intelligent flight functions, ensuring safe and stable operation at all times. With six Intelligent Flight Batteries, the Matrice 600 Pro has 32 minutes of hover time*. Its mechanical design, with quick-release landing gear and mounted folding arms, make it easy to transport, store, and prepare for flight.

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* Hover time is based on flying 10 meters above sea level in no-wind conditions and landing with a 10% battery level using six TB47S Intelligent Flight Batteries. Please refer to Specifications for more information on compatible DJI gimbal models. No-payload weight includes landing gear and six TB47S Intelligent Flight Batteries.
Remote Controller

The maximum transmission distance of the Matrice 600 Pro remote controller is 16,400 feet (5 km)*. The built-in LiPo battery powers the device for up to four hours* in between charges. An ergonomic design puts gimbal (optional) control functions within comfortable reach, crucial when operating the aircraft. Important controls such as raising and lowering the landing gear and activating the Return-to-Home procedure can also be triggered with a tap of a button.

The LIGHTBRIDGE™ 2 HD video downlink is integrated into the remote controller, allowing real-time camera footage to be displayed in the DJI GO™ app. Dual remote controller mode makes it possible for the aircraft and camera to be operated on two separate controls, which have a communication range of up to 50 meters.

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 or pan.

- For more information about how to connect and use the remote controller, please refer to the user manual of the Matrice 600 Pro.
- You can change the stick mode in the DJI GO app.

* The remote controller is able to reach its maximum transmission distance (FCC) in a wide open area with no Electro-Magnetic Interference, and at an altitude of about 400 feet (120 meters). The maximum run-time is tested under laboratory environment, only for your reference.
1. Download DJI Assistant 2 and the DJI GO App

Download and install DJI ASSISTANT™ 2 on your computer via the website link below:
http://www.dji.com/matrice600-pro

Search ‘DJI GO’ in the App Store or Google Play, and download the app to your mobile device.

- DJI Assistant 2 supports Windows 7 (or later) or OS X 10.11 (or later).
- DJI GO supports iOS 8.0 (or later) or Android 4.1.2 (or later).

2. Checking Battery Levels

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

3. Charging Batteries

Make sure all six Intelligent Flight Batteries are fully charged before using the Matrice 600 Pro.

- The Intelligent Flight Battery must be fully charged before using it for the first time.
- Only use the official DJI 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.

4. Preparing the Remote Controller

- Unfold
- Strong
- Weak
- Press the button to release the clamp.
- Connect your mobile device with a USB cable.

DJI GO App

Power Outlet
100-240V

Place your mobile device and adjust the clamp to secure.
5. Preparing the Aircraft

Mounting the Landing Gear

Mounting and Powering On Batteries

1. Make sure all six Intelligent Flight Batteries are fully charged and powered off. Insert the batteries into the battery compartments.
2. Press the Power Button once, then press it again and hold for two seconds. This will power on one of the six batteries, automatically triggering the others.

- DO NOT manually power on more than one Intelligent Flight Battery to avoid damaging the batteries.
- If powering on one of the six batteries does not trigger the others, follow the instructions in the DJI GO app.
- You only need to power off just one battery and all the other batteries will power off automatically.

Activating the Aircraft

When using your Matrice 600 Pro for the first time, activate it in DJI Assistant 2 software. Connect the Micro USB port of the Matrice 600 Pro to the computer with a Micro USB cable and follow the steps in DJI Assistant 2.

- First-time activation requires your DJI account and internet connection.

Unfolding the Aircraft

- Ensure that all the Intelligent Flight Batteries are powered off before unfolding the aircraft.
- Ensure that all the arrows on the GPS-Compass Pro point toward the front of the aircraft after unfolding them.
6. Flight

**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 (RTH)**
Bring the aircraft back to the Home Point. Tap again to stop the procedure.

**Intelligent Flight Modes**
Tap to use Point of Interest (POI), Waypoints and more.

**Manual Takeoff**
Combination Stick Command to start/stop the motors

**Manual Landing**
Ensure the landing gear is lowered before landing.

**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.

- Rotating propellers can be dangerous. Do not start the motors when there are people nearby.
- Never stop the motors 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.

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

Learn more:
http://flysafe.dji.com/no-fly
4. Preparing the Remote Controller

3. Charging Batteries

2. Checking Battery Levels

Using Matrice 600 Pro

Make sure all six Intelligent Flight Batteries are fully charged before using the Matrice 600 Pro.

Press once, again and hold to turn on/off.

DJI GO supports iOS 8.0 (or later) or Android 4.1.2.

DJI Assistant 2 supports Windows 7 (or later) or OS X 10.11 (or later).

controller will turn off.

Battery before charging.

controller. Power off the Intelligent Flight Battery and remote

Activating the Aircraft

First-time activation requires your DJI account and internet connection.

If powering on one of the six batteries does not trigger the others, follow the instructions the batteries.

Ensure that all the Intelligent Flight Batteries are powered off before unfolding the aircraft.

Unfolding the Aircraft

Mounting and Powering On Batteries

When using your Matrice 600 Pro for the first time, activate it in DJI Assistant 2 software. Connect the

The aircraft will not avoid obstacles while it is returning to the Home Point, and an appropriate RTH altitude must be set before

Return-to-Home (RTH)

Same as the RTH button in the DJI GO app.

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

Waypoints and more.

Tap to use Point of Interest (POI),

Learn more:

Manual Takeoff

Return-to-Home (RC)

Never stop the motors in mid-flight, or else the aircraft will crash.

Rotating propellers can be dangerous. Do not start the motors when there are people nearby.

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

The aircraft will land vertically and stop lowered before landing.

Manual Landing

Read the Manual Takeoff

Ready to Go (GPS)

No Fly Zones

Specifications

• Aircraft
  Diagonal Wheelbase 1133 mm
  Dimensions 1668 mm x 1518 mm x 727 mm with propellers,
  frame arms and GPS mount unfolded (including landing gear)
  437 mm x 402 mm x 553 mm with propellers,
  frame arms and GPS mount folded (excluding landing gear)
  Weight (with six TB47S batteries) 9.5 kg
  Weight (with six TB48S batteries) 10 kg
  Max Takeoff Weight Recommended 15.5 kg
  Hovering Accuracy (P-GPS) Vertical: ±0.5 m, Horizontal: ±1.5 m
  Max Angular Velocity Pitch: 300°/s, Yaw: 150°/s
  Max Pitch Angle 25°
  Max Wind Resistance 8 m/s
  Max Ascent Speed 5 m/s
  Max Descent Speed 3 m/s
  Max Speed 40 mph / 65 kph (no wind)
  Max Service Ceiling Above Sea Level 2170 propellers: 2500 m, 2195 propellers: 4000 m
  Hovering Time* (with six TB47S batteries) No payload: 32 min, 6 kg payload: 16 min
  Hovering Time* (with six TB48S batteries) No payload: 38 min, 5.5 kg payload: 18 min
  Flight Control System A3 Pro
  Supported DJI Gimbals Ronin-MX; ZENMUSE™ Z30, Zenmuse X5/X5R, Zenmuse X3, Zenmuse XT;
  Retractable Landing Gear Standard
  Operating Temperature 14° to 104° F (-10° to 40° C)

• Remote Controller
  Operating Frequency 920.6 MHz to 928 MHz (Japan); 5.725 GHz to 5.825 GHz; 2.400 GHz to 2.483 GHz
  Max Transmission Distance FCC Compliant: 3.1 mi (5 km), CE Compliant: 2.2 mi (3.5 km) (Unobstructed, free of interference)
  Transmitter Power (EIRP) 10 dBm @ 900M, 13 dBm @ 5.8G, 20 dBm @ 2.4G
  Video Output Port HDMI, SDI, USB
  Operating Temperature 14° to 104° F (-10° to 40° C)
  Battery 6000 mAh LiPo 2S

• Charger (Model: MC6S600)
  Voltage Output 26.1 V
  Rated Power 600 W
  Single Battery Port Output Power 100 W

• Standard Battery (Model: TB47S)
  Capacity 4500 mAh
  Voltage 22.2 V
  Battery Type LiPo 6S
  Energy 99.9 Wh
  Net Weight 595 g
  Operating Temperature 14° to 104° F (-10° to 40° C)
  Max Charging Power 180 W

• Optional Battery (Model: TB48S)
  Capacity 5700 mAh
  Voltage 22.8 V
  Battery Type LiPo 6S
  Energy 129.96 Wh
  Net Weight 680 g
  Operating Temperature 14° to 104° F (-10° to 40° C)
  Max Charging Power 180 W

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